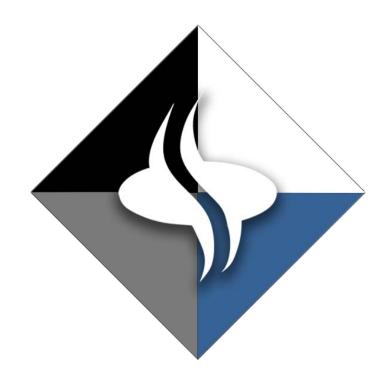
# Sentinel Door Controls, LLC

## 2020 Door Hardware Catalog



Phone 1.800.327.7848

Fax 1.888.412.3667

sales@sentineldoor.com estimating@sentineldoor.com www.sentineldoor.com



### **GENERAL INFORMATION**

### **Mission Statement**

At Sentinel Door Controls, we strive to be the most professional, knowledgeable, and customer service orientated company in the hardware industry. Our goal is to exceed our customers' expectations and provide the best products available. We promise to sell with integrity and honesty, and to maintain no less than the highest level of customer satisfaction and service.

### **Quality**

We are committed to be at the forefront of quality door hardware and access control products. From our full line of domestic manufacturers to our Sentinel brand products, we understand the importance of quality and performance. Whether you are an installer, locksmith, door manufacturer, or contractor, Sentinel can meet your needs on every level. With no minimum orders and our ability to quote any size job, Sentinel can help.















































































### Sales & Customer Service

At Sentinel, we are here for you. We go the extra mile when you need it most. Call us Toll Free, Fax us or simply E-Mail your order. We take the pain out of ordering. We know our products and we understand vour needs.

### Hours of Operation

Open from 7.30 am – 6:00 pm EST. We are here to provide you the best customer service in the Industry.

### Technical Support

Need technical advice? Job to Quote? Feel free to call our technical department 8:00 am - 5:00 pm EST Monday through Friday. We can turn around quotes within 24 hours.

### Shipping

Same day shipping? Not a problem. We ship orders for stock items same day if received before 3:00 pm EST.

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### **SALES POLICIES AND CONDITIONS**

### Pricing:

All prices are subject to change without notice. All quotations and bids are valid for 30 days from date of issue, unless otherwise specified. Back orders on stock merchandise will be price protected. We cannot guarantee special orders price protection. All prices are net.

### **Shipments:**

Freight is prepaid on orders of \$1250.00 or more and shipped by the carrier of our choice. This policy applies to the continental United States only and may be restricted by specific products. All other orders are F.O.B., shipping point, via UPS Ground or similar service, or by a common carrier of our choice, unless otherwise specified at the time of order placement. There is a \$10.00 minimum freight charge on any and all orders.

### **Payment Terms:**

Standard credit is credit card. If Open Credit is approved and established, then terms are net 30 days from date of invoice. Sentinel now accepts **Master Card, VISA, Discover** and **American Express**. There will be an additional 3.5% Service Charge for purchases/payments made with an American Express Card.









### **Payment Policy:**

Accounts with unpaid invoices in excess of 30 days, will be placed on credit hold until past due amount is paid. If account balance includes unpaid invoices over 60 days, open account status will be rescinded and C.O.D. terms will apply once amount is paid in full. A 1.5% per month service charge will be assessed. All payments will be made in U.S. Dollars.

### **Returned Checks:**

A \$50.00 surcharge will be added for checks returned, payment terms will be "Cash in Advance" thereafter.

### Acceptance of an Order:

Sentinel Door Controls, LLC reserves the right to decline any order, in whole or in part, when the type or quality of goods or credit worthiness is unsatisfactory to us.

### **Cancellations:**

All product cancellations must be confirmed in writing. Cancellation of specially ordered material will be at the discretion of the manufacturer and are subject to the manufacturers cancellation terms.

### Claims:

All product claims must be reported to us, in writing, within fifteen days of receipt of merchandise. Please notify us promptly of any discrepancy in shipment and/or invoicing.

### **Returned Goods:**

A returned goods authorization (RGA) number must be issued before returning any material. RGA's will only be issued for products originally purchased from Sentinel Door Controls. We will not accept any returned material without an RGA number. All returns will be coordinated by our sales staff. Sentinel Door Controls is not responsible for incurred freight cost for materials returned. A 35% re-stocking fee will be applied to all non-defective returns. Special orders are non-returnable.

### **Product Liability & Warranty Statement**

All products are covered by their individual manufacturers' warranty. This does not include transportation of any product to and from Sentinel Door Controls or to that factory for repair and/or replacement. Sentinel Door Controls does reserve the right to cover costs at our discretion on an individual basis.

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### Sentinel Offers More than just Door Closers.....















































































### **Door Closers**

- Residential Door & Gate Closers
- Surface Mounted Door Closers
- Overhead Concealed Door Closers
- Floor Type Door Closers
- Low Energy Door Operators

### Hinges, Pivots & Power Transfers

- **Butt Hinges**
- Electrified Butt Hinges
- Continuous Hinges
- **Electrified Continuous Hinges**
- Surface Hinges
- Center Hung Pivots
- Offset Pivots
- Intermediate Pivots
- **Flectrified Pivots**
- **EPT & EPTL**
- Transfer Loop

### Architectural Door Hardware

- Door Repair Plates
- Hinge Filler Plates
- Full Length Astragals
- Kick-Plates
- Corner Guards
- Wall Stops
- Floor Stops
- Kick-Down Door Stops
- Door Pulls
- Door Pushes
- Pull Plates
- **Push Plates** Tubular Pulls
- Door Holders
- Alum. Door Flush Bolts
- Steel & Wood Door Flush Bolts
- Manual Surface Bolts
- Overhead Stops
- Door Coordinators
- Double Door Holders

#### Weather Stripping

- Thresholds
- Door Sweeps
- Weather Stripping
- Gasketing
- Astragals
- Drip Caps
- Modular Ramps

### **Door Hardware**

- Latch Guards
- Mechanical Dead Bolts
- Rim Exit Devices
- **CVR Exit Devices**
- **SVR Exit Devices**
- Mortise Exit Devices Narrow Stile Exit Devices
- Mid-Panel Exit Devices
- Active Exit Device Trim
- Dummy Trim
- Mortise Locks
- Cylindrical Lever Locks
- Cylindrical Knob Locks
- Removable Mullions
- Keyed Removable Mullions
- Rim Cylinders
- Mortise Cylinders

### Glass Door Hardware

- Aluminum Storefront Deadbolts
- Aluminum Storefront Hookbolts
- Aluminum Storefront Deadlatches
- Aluminum Storefront Paddle Assys.
- Narrow Stile Rim Exit Devices
- Narrow Stile Rim Paddle Device
- Narrow Stile CVR Paddle Device Narrow Stile CVR Ext Devices
- Three Point Locking
- Flush Bolts
- Tubular Push/Pull Sets

### **Access Control**

- Intercoms
- Battery Operated Access Control
- Card Readers
- Control Consoles
- Programmable Door Interlock Boards
- Isolated Relays
- Key Switches
- Push Buttons
- Wireless Remote Control Switches
- Request to Exit PIR
- Request to Exit Touch Sense Bars

### **Electrified Hardware**

- Alarmed Exit Devices
- Alarmed Paddle Devices
- Stand Alone Door Alarms
- Electrified Exit Device Trim
- Electric Latch Retraction Exit Devices
- Delayed Egress Exit Devices
- Electrified Mortise Locks
- Electrified Cylindrical Locks
- Electrified Gate Lock
- Electromagnetic Gate Locks
- Surface Mounted Magnetic Locks
- Delayed Egress Magnetic Locks
- Electromagnetic Shear Locks
- Electromagnetic Cabinet Locks Electric Strikes
- **Electrified Dead Bolts**
- Electrified Door Holders

### Power Supplies & Accessories

- Power Supplies
- Plug-In Transformers
- Wire-In Transformers
- Door Contact Switches

Easy to Inquire, Order or Get a Quotation... Anytime!

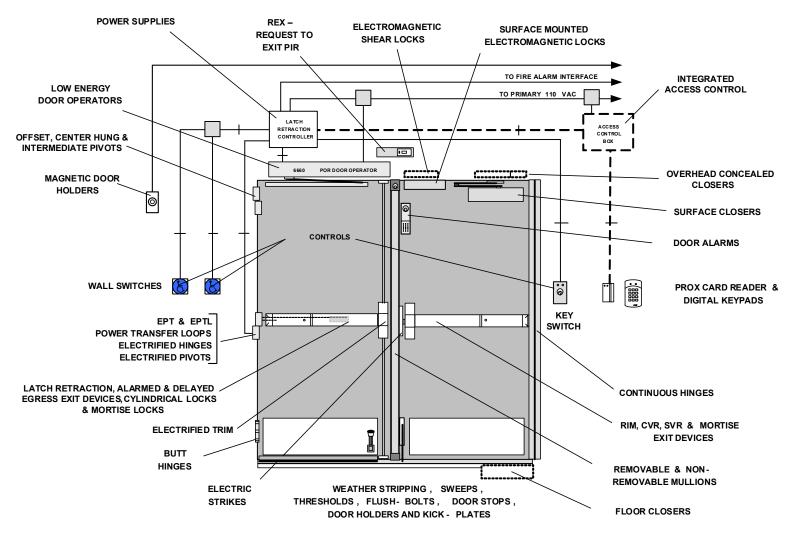
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## **Anatomy of a Door**



### **MECHANICAL & ELECTRIFIED HARDWARE LOCATIONS**

Section - 1	Surface Mounted Door Closers	Section - 7	Storefront Hardware
Section - 2	Concealed Overhead & Floor Closers	Section - 8	Continuous Hinges
Section - 3	Low Energy Operators	Section - 9	Intercoms and Access Control
Section - 4	Exit Devices	Section - 10	Door Alarms & Alarmed Exit Devices
Section - 5	Alarmed Exits	Section - 11	Strikes and Mags
Section - 6	Locksets	Section - 12	Controls and Power

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### **Sentinel Door Controls**



General Terms	Description			
ADA CODE	Also referred to as <b>barrier code</b> or <b>accessibility code</b> . A term used to describe a standard that is intended for use in making buildings and facilities accessible to the physically challenged.			
BACKCHECK	Optional Hydraulic feature that prevents the door from opening too fast and damaging the closer or anything else in its path. Back usually takes place about 15° before maximum degree of opening is reached.			
CLOSER SIZE	A term used to describe the strength of a door closer. Generally, the greater the door width, the larger the closer size should be.			
DELAY ACTION	Delays closing at any point from fully opening, down to 70 <sup>th</sup> to allow for wheelchairs or carts. Note: In order for the delay feature to engage, the door must reach its maximum degree of opening.			
DROP PLATES	Necessary when narrow top rails or narrow frame face prevent standard closer mounting.			
HAND	Term used to indicate the direction of door swings.			
HOLD OPEN	Optional mechanical feature that is incorporated into the door closer arm assembly. <b>Hold open arms cannot be used on "UL" or fire rated door assemblies.</b>			
MULTI-SIZE	Door closers with adjustable spring power, to permit the adjustment of closing power to meet the needs of most doors. They are available with normal power range adjustments or with barrier code and power range adjustments.(Sizes 1-4)			
NON-HANDED	Door closers which are non-handed permit installation on doors of either hand without modification to the door closer.			
PARALLEL RIGID ARM	An exceptional sturdy arm assembly, for parallel arm application only.			
REVEAL	The distance measured from the surface of the frame face to the surface of the door.			
SPRING POWER ADJUSTMENT	On sized closers, power can be increased by 50% over the minimum closing force for each closer size.			
SLIDE TRACK	For installations where an aesthetic appearance is desirable. There is no arm or bracket projecting from the face of the door.			
SWEEP SPEED	Standard hydraulic feature that permits adjustment of the doors closing speed from the fully open position down to approximately 10° from the closed position. Also referred to as closing speed.			
TRI-PACK	A term used to describe the packaging of most closers for installation, regular arm, top jamb and parallel arm mountings.			
THRU-BOLTS (SNB - SEX NUT BOLTS)	Bolts commonly used to secure door closer to "UL" rated wood fire doors.			





Closer Terms	Description			
CEMENT CASE	Plastic or cast iron case that is set into the finished floor. The closer is then fastened to the case, allowing the closer to be removed easily from the floor.			
CENTER HUNG	Center hung closers locate the pivot in the center of the door opening and require a frame applied stop at 0°in single acting applications.			
CLOSING/LATCH SPEED	The cycle of closing from degree of to about 10° from closing position. This cycle is controlled by valve to speed up or slow down the closing of the door.			
COLD WEATHER FLUID	Special cold weather closer fluid used in extreme cold to prevent the closer from freezing. Closer sealed in cement case preventing debris from getting in between the closer body and cement case.			
DEAD STOP	A positive stop built in the closer prevents the door from going beyond the desired degree of opening.			
DEGREE OF OPENING	Maximum opening that a door is allowed to open to. Floor closers openings range from $85^\circ$ to $105^\circ$ in $5^\circ$ increments.			
DETERMINING DOOR HAND	Stand with your back to the hinge end of the door. Hand of door will be determined by which direction the door swings or your hands the door swings to.			
DOUBLE ACTING	Double acting doors swing in both directions. Double acting closers are self centering and center hung.			
EXTENDED SPINDLE	Certain floor conditions may require that the spindle of the closer be longer than standard. Spindles may be increased in size by 1/2" increments up to 2" max.			
FLOOR CLOSER	A door closer that is mounted in the floor. A floor closer not only closes the door but also hangs it. Standard floor closers come complete with top pivot. Side jamb pivots need to be ordered separately.			
HEAVY DUTY	Heavy duty floor closers are designed for use on heavy doors or doors subject to heavy use/abuse.			
LEAD LINED	Lead lined closers can handle extremely heavy door loads.			
OFFSET HUNG	3/4" offset closers locate the pivot point 3/4" from the heel edge of the door and 3/4" from the face of door. 1-1/2" offset closers locate the pivot point 3/4" from the heel edge of the door and 1-1/2" from the face of the door. This permits an applied panel of up to 3/4" to be added to the door.			
SEALED CLOSER	L series closers have an arm and top pivot with a special screw pattern to span the lead lining on a door with lead mounted in middle. If lead is mounted elsewhere in door, consult with us before ordering.			
SINGLE ACTING	Doors that swing in one direction. All offset hung closers are single acting. Center hung closers may be single acting as well.			





### **Electric Locking Terms**

Alternating Current (AC): Electrical current that reverses its direction (negative to positive) periodically.

Access Control: This defines any system electrical or mechanical that allows access to certain areas only for certain individuals.

Access Level: The door or combination of doors and/or barriers an individual is authorized to pass through.

**Alternate Action**: In the electric locking industry this defines a switching device that once mechanically actuated remains in the active state until actuated again. This is also referred to as maintained.

Amp: Units of measurement when referring to the amount of electrical current capacity of power supplies or hardware.

**Annunciator:** An audible and/or visual signaling device.

Bi-Directional: This defines a door that can swing in both directions into or out of the secure area.

Bi-Parting: This defines a double door in which one door leaf swings into the secure area and one leaf swings out of the secure area.

Continuous Duty: A device that is designed to operate continuously without rest.

**Direct Current (DC):** An electric current flowing in one direction.

Egress Control: This defines any electrical system that changes the normal means of egress for an exit door.

Electromagnetic: Pertaining to combined electric and magnetic fields associated with movements of electrons through conductors.

**Exit Delay Timer**: This is an electronic timer that delays a person from immediately exiting a building for a preprogrammed amount of time (normally 15 seconds). It is used primarily for loss prevention or wandering patient systems.

**Fail Safe**: In the electric locking industry this defines any device that requires power (electrical energy) to remain locked. This can also be referred to as fail unlocked.

**Fail Secure**: In the electric locking industry this defines any device that requires power (electrical energy) to be unlocked. This can also be referred to as fail locked.

**Fuse:** A device that is placed in the path of energy that will break the circuit if the current becomes too great. This is accomplished by having a strip or metal that will melt when the current exceeds the required amount.

Inswing: This defines a door that swings into the secure area when released.

Intermittent Duty: A device that is designed to operate for a short period of time; generally less that 45 seconds.

**Momentary**: In the electric locking industry this defines a switching device that is only active when mechanically actuated As soon as the mechanical actuation is removed it returns to its rest or original state.

Normally Closed: The position of a contact before it is energized; (closed) Example: A switch is not depressed and the circuit is complete.

**Normally Open:** The position of a contact before it is energized; (open) Example: A switch is not depressed and the circuit is complete.





### **Electric Locking Terms (cont.)**

**Ohms:** The measure of resistance of an electrical device to resist the flow of energy.

Outswing: This defines a door that swings out of the secure area when released.

**Rectifier:** A device that is commonly used to convert AC to DC. Commonly used to silence the audible sound that an electrical strike can make while energized on AC current.

**Relay:** An electro-magnetic device activated by a variation in conditions in one electric circuit and controlling a larger current or actuating other devices in the same or another electric circuit.

Release hold timer: This is an electronic timer that extends the activation of a momentary switch for a preprogrammed amount of time.

Request To Exit (REX): This defines the activity of having a remote device (such as a push button) tell the access control system to release the door so someone can exit.

Stand Alone: An access control system that makes its own access decisions without communicating with a central controller.

**Standard Voltage:** Electric door strikes supplied with magnetic coils: 4-6FDC/8-16VAC. Electric door strikes supplied with a solenoid coil: 6-10VDC, 10-16VAC, 12VDC, 24VDC, 12/24VDC Selectable or Automatic

**Time Release**: This is an electronic timer that follows a preprogrammed course of events such as unlocking a door and shunting an alarm point and then relocking the door and enabling the alarm point at predetermined times of the day or night without supervision.

**Transformer:** A device consisting essentially of two or more coils of insulated wire that transfers alternating current by electromagnetic induction from one winding to another at the same frequency, but usually with changed voltage & current.

**Underwriters Laboratories Inc. (UL):** An independent, not-for-profit organization which tests products in the interests of public safety.

**Volt:** A unit of electric potential equal to the difference of electric potential between two points that have a resistance of one ohm and through which a current of one amperes is flowing.

Voltage Drop: We recommend the following wire sizes:

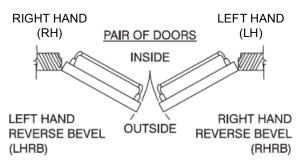
Wire Length	12V	24V
Up to 50 ft.	18 AWG	20 AWG
51-150 ft.	16 AWG	18 AWG
151-300 ft.	14 AWG	16 AWG
301-600 ft.	12 AWG	14 AWG

**WATT:** The power developed in a circuit by a current of one ampere flowing through a potential difference of one volt.

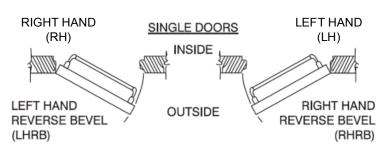




### **Door Handing Guide**



The **hand** of door is determined from the **outside** or **lock side** of the door to which it is applied. If standing outside and the door **opens toward** you, it is a **reverse bevel** door.



For the purposes of handing door closers, **right hand reverse bevel** and **left hand** are identical. Also, **left hand reverse bevel** and **right hand** are identical.

### **Architectural Finish Chart**

FINISH CHART			B.H.M.A. FINISH STANDARDS BASE MATERIAL		
COLOR	US NO.	DESCRIPTION	STEEL	BRASS/BRONZE STAINLESS STEEL	
	US2C	Zinc Plated, Commercial	602	N/A	
	US3	Bright Brass	632	605	
	US4	Satin Brass	633	606	
	US5	Antique Brass, Oxidized	638	609	
	US7	Bright Brass, Nickel Oxidized & Highlighted	636	610	
	US10	Satin Bronze	639	612	
	US10B	Oil Rubbed Dark Bronze, Oiled	640	613	
	US15	Satin Nickel	646	619	
	US19	Satin Black Coated	622	622	
	US26	Bright Chromium Plated	651	625	
<b>新州(4)</b> (3)(3)	US26D	Satin Chromium Plated	652	626	
	US28	Clear Anodized Aluminum	N/A	628	
	US32 Stainless Steel M		N/A	629	
	US32D Stainless Steel Metal, Satin		N/A	630	
	USP Prime Coat, Beige		600	600	
	N/A Dark Bronze Anodized 313		313	N/A	
	N/A Black Anodized		315	N/A	
The same	US65 Painted Alumir		N/A	689	
	KPD	Statutory Bronze Painted	N/A	690	
	BL Painted B		N/A	691	
	N/A	Painted Tan	N/A	692	
	N/A	Painted Black	N/A	693	
	N/A	Painted Dark Bronze / Duro	N/A	695	
	US63	Painted Brass Enamel / Gold	N/A	696	

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**Sentinel Door Controls** 



### **Table of Contents – Catalog Sections**

\*\*Sections may contain more product categories than listed.\*\*

Section - 1 <u>Surface Mounted Door Closers</u>

Surface closers | Drop Plates

Section - 2 <u>Concealed Closers</u>

Overhead Concealed | Floor Closers

Section - 3 <u>Low Energy Operators</u>

Section - 4 Exit Devices

Rim Panics | Concealed Vertical Rod | Surface Vertical Rod

Outside Trim | Mullions | Electrified Applications

Section - 5 Alarmed Exits

Alarmed Panic Bars | Alarmed Paddle Devices | Stand Alone Alarms

Section - 6 Locksets

Cylindrical Locks | Electrical Locksets | Stand Alone Alarms

Section - 7 <u>Storefront Hardware</u>

Deadbolt | Deadlatch | Hookbolt | Door Stops | Kick Plates Push Plates

Paddle | Levers | Pulls | Pivots | Latch Guards | Door Sweeps | Thresholds

Astragals

Section - 8 <u>Continuous Hinges</u>

Section - 9 Intercoms and Access Control

Recievers | Transmitters | Intercom Systems

Section - 10 Strikes and Electromagnetic Locks

Section - 11 Controls and Power

Key Switches | Push Buttons | Request to Exit Sensors

Power Transfers | Boxed Power Supplies | Transformers

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### **Sentinel Door Controls**



### **IMPORTANT NOTES**

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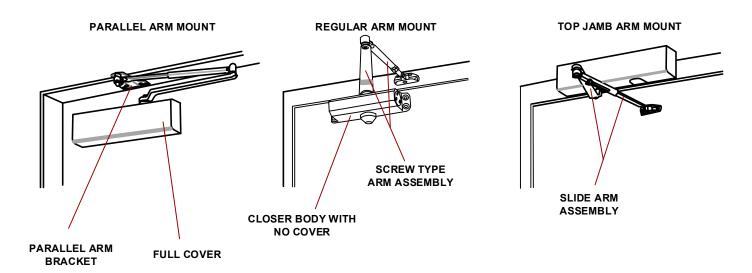
## **Surface Mounted Door Closers**



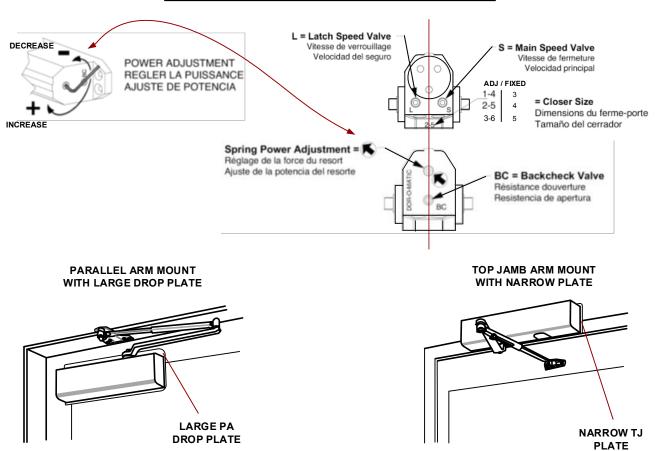




### **Anatomy of Surface Mounted Closers**



### **TYPICAL VALVE & POWER ADJUSTMENTS**



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### **Sentinel Door Controls**



## **Surface Closer Arm Type & Identification**



Regular Screw Type Arm



Regular Slide-Track Type Arm



Regular Hold-Open Type Arm



Rigid CUSH Arm with Stop



Rigid CUSH Arm with Spring-Stop



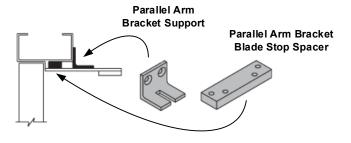
Rigid Arm with H/O



Rigid CUSH Arm with Thumb Turn H/O



Rigid CUSH Arm with Spring-Stop & Thumb Turn H/O





H/O Arm PA Bracket

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### **Sentinel Door Controls**



## **Surface Closer Sizing Chart**

Manufacturer	Model Number	٢	Hole Pattern	Projection	Grade
Corbin Russwin	DC3000	Ġ	4-5/16" x 1"	2-3/4" (70mm)	1
	DC6000	Ġ	4-5/16" x 1"	2-3/4" (70mm)	1
	DC8000	Ġ	10" x 1"	2-1/4" (57mm)	1
	7300		9-1/16" x 3/4"	2" (51mm)	1
M	7400	F	10-1/4" x 3/4"	2" (51mm)	1
DORMÁ	8600	P	12" x 3/4"	2-1/8" (54mm)	1
	8900	F	5" x 2-1/8"	2-1/8" (54mm)	1
	SC93		9-1/16" x 3/4"	2-7/8" (73mm)	3
	SC94		9-1/16" x 3/4"	2-7/8" (73mm)	3
DOR-O-MATIC	SC61	F	9-1/16" x 3/4"	2-7/8" (73mm)	1
	SC80	F	12" x 3/4"	2-1/8" (54mm)	1
	SC70	F	6-3/4" x 2-3/8"	2-1/8" (54mm)	1
	1260	Ġ	9-1/16" x 3/4"	2-7/8" (73mm)	1
LCN.	1460	F	7-1/2" x 1"	2-3/8" (60mm)	1
LCI18	4040XP	F	5" x 2-1/4"	2-1/4" (57mm)	1
	4111	Ġ	6" x 2-1/2"	2-1/4" (57mm)	1
Norton	1600/1601	F	9-1/16" x 3/4"	2-7/8" (73mm)	1
	7500/7700	£	6-3/4" x 2-3/8"	2-1/8" (54mm)	1
ASSA ABLOY	8000	Ł	12" x 3/4"	2-1/8" (54mm)	1
	S50	F	9-1/16" x 3/4"	2-7/8" (73mm)	1
	4016	F	5" x 2-1/4"	2-1/4" (57mm)	1
Continol	5003/5004/5005	F	9-1/16" x 3/4"	2-3/8" (67mm)	1
Sentinel	5014/5036	F	9-1/16" x 3/4"	2-3/8" (67mm)	1
	9016	Ġ	11-1/8" x 3/4"		1
	51	Ġ	9-1/16" x 3/4"	2-7/8" (73mm)	1
Yale <sup>-</sup>	1900		4-1/8" x 1-3/8"	3-5/8" (92mm)	3
	3300	F	12" x 3/4"	2-1/8" (54mm)	1

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### **Sentinel Door Controls**



## **Drop Plate Selection Chart**

Manufacturer	Closer Series	PA Mounting	TJ Mounting	Painted Finish
Corbin 72° Russwin 72°	DC3210 & DC3220	188F65 & 597F58	188F65 & 188F65	689 & 690
	DC6210/DC6220/DC6230	CALL SENTINEL	CALL SENTINEL	689 & 690
	DC8000	CALL SENTINEL	CALL SENTINEL	689 & 690
	7300	DP73	BP73	689 & 695
M	7400	DP74	BP74	689 & 695
DORMA	8600	DP86	BP86	689 & 695
	8900	DP89	BP89	689 & 695
	SC93	SC60-18PA	SC60-18	689 & 695
	SC94	SC60-18PA	SC60-18	689 & 695
DOR-O-MATIC.	SC60	SC60-18PA	SC60-18	689 & 695
	SC70	SC70-18PA	SC70-18	689 & 695
	SC80	SC80-18PA	SC80-18	689 & 695
	1260	1260-PA	1260-18	689 & 695
LCN.	1460	1460-PA	1460-18	689 & 695
LCN <sub>®</sub>	4040	4040-PA	4040-18TJ	689 & 695
	4111	4110-18	N/A	689 & 695
	1600/1601	1688	1687	689 & 690
Norton	7500/7700	7788	7787	689 & 690
ASSA ABLOY	8000	8148	8146	689 & 690
	S50	SC60-18PA	SC60-18	689 & 690
	4016	DP401618PA	DP401618TJ	AL & DU
Sentinel	5003/5004/5005	SC60-18PA	SC60-18	AL & DU
) SGIIUIIGI	5014/5036	SC60-18PA	SC60-18	AL & DU
	9016	LDP9000	N/A	AL & DU
	51	1688	1687	689 & 690
Yale <sup>•</sup>	1900	1988	N/A	689 & 690
	3300	8148	8146	689 & 690

Finish Codes: 689 = Alum, 690 = Duro & 695 = Duro

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### **Sentinel Door Controls**





### **Surface Closers**



DC3000 Series Door Closers

#### Features 5 4 1

- Non-handed, 4-5/16" x 1" Hole Pattern
- 2-3/4" (70mm) projection
- Cast iron body, Painted Alum 689 & Bronze 690
- · Latch, Sweep, and Back Check adjustments
- · Tri-Packed Regular, Top Jamb and Parallel Arm Mountings
- Adjustable Sizes 1-6
- · Listed for Fire & Cycle requirements
- 5-year manufacturer's limited warranty against defects

### **Available Options & Accessories**

- Top Jamb & PAB Mounting Plates
- · Hold Open Arms & Brackets
- Blade Type & Narrow Stop Soffit Plates
- Slim Cover (M76)
- Painted Corrosion Resistant Option (M75)

#### **Compliance Standards**

- ANSI/BHMA A156.4, Grade 1 certified
- Meets A117.1 UL / ULC Listed
- UL10C compliant for positive pressure
- · A.D.A. compliant





DC6000 Series Door Closers

#### **Features**

- Non-handed, 4-5/16" x 1" Hole Pattern
- 2-3/4" (70mm) projection
- · Cast iron body, Painted
- · Latch, Sweep, & Back Check speed adjustments
- Tri-Packed Regular, Top Jamb and PA Mountings
- Adjustable Sizes Available 1-6
- Non-Metallic Full Cover Standard
- · Listed for Fire & Cycle requirements
- · 10-year manufacturer's limited warranty against defects

### **Available Options & Accessories**

- Top Jamb & PAB Mounting Plates
- Hold Open Arms & Brackets
- Blade Type & Narrow Stop Soffit Plates
- Corrosion Resistant Option (M75)
- Optional Full Metal OR Slim Cover

### **Compliance Standards**

- ANSI/BHMA A156.4, Grade 1 certified
- UL listed
- UL10C compliant for positive pressure
- · A.D.A. compliant



DC8000 Series
Door Closers

#### Features

- Non-handed, 10" x 1" Hole Pattern
- 2-1/4" (57mm) projection
- Cast iron body, Painted
- · Latch, Sweep, & Back Check speed adjustments
- · Packed with Regular & Top Jamb Mountings
- Adjustable Sizes 1-6
- Non-Metallic Full Cover Standard
- · Listed for Fire & Cycle requirements
- 10-year manufacturer's limited warranty against defects

### Available Options & Accessories

- Top Jamb & PAB Mounting Plates
- Parallel & Hold Open Arms & Brackets
- · Blade Type & Narrow Stop Soffit Plates

### Compliance Standards

- ANSI/BHMA A156.4, Grade 1 certified
- UL listed UL10C compliant positive pressure
- Meets A117.1
- · A.D.A. Compliant

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**Sentinel Door Controls** 

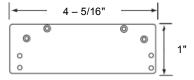




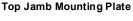
## **Surface Closers Drop Plates**

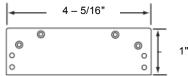
### **DC3000 Drop Plates**

**PA Mounting Plate** 



Model Slim Cover 188F65 - Drop Plate Full Cover 597F58 - Drop Plate





Model 188F65 - Reg Arm Mount Full Cover 188F65 - Drop Plate



### **DC6000 Drop Plates**

**PA Mounting Plate** 



Model 188F65 (M80) - Drop Plate

### **Top Jamb Mounting Plate**



Model 188F65 (M80) - Reg Arm Mount

### **DC8000 Drop Plates**

**PA Mounting Plate** 



Model 754F25 - Full Cover - Drop Plate



Top Jamb Mounting Plate



Model 754F24 - Full Cover - Reg Arm Mount



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### **Sentinel Door Controls**





### **Surface Closers**



U1500 Series Door Closers

#### Features

- Non-handed, 9-1/16" x 3/4" Hole Pattern
- 2" (51mm) projection
- · Cast aluminum body, Painted Alum 689 & Bronze 695
- · Latch, Sweep, & Back Check speed adjustments
- · Back Check Position Valve
- · Tri-Packed Regular, Top Jamb and Parallel Arm Mountings
- Adjustable Spring Tension 1-5

10-year manufacturer's limited warranty against defects

#### Available Options & Accessories

- Top Jamb & PAB Mounting Plates
- Hold Open Arms & Brackets
- Blade Type & Narrow Stop Soffit Plates
- Optional Molded Plastic Cover

#### Compliance Standards

- ANSI/BHMA A156.4, Grade 1 certified
- UL listed
- UL10C compliant for positive pressure
- · California State Fire Marshall (CSFM) pending



7300 Series Door Closers

#### Features

- Non-handed, 9-1/16" x 3/4" Hole Pattern
- 2" (51mm) projection
- · Cast aluminum body, Painted Alum 689 & Bronze 695
- · Latch, Sweep, & Back Check speed adjustments
- Back Check Position Valve
- Tri-Packed Regular, Top Jamb and Parallel Arm Mountings
- Fixed Sizes Available 3, 4, or 5
- · 25-year manufacturer's limited warranty against defects

### Available Options & Accessories

- Top Jamb & PAB Mounting Plates
- Hold Open Arms & Brackets
- Blade Type & Narrow Stop Soffit Plates
- Optional Molded Plastic Cover

### **Compliance Standards**

- ANSI/BHMA A156.4, Grade 3 certified
- UL listed
- UL10C compliant for positive pressure
- California State Fire Marshall (CSFM) approved



7400 Series Door Closers

#### Features

- Non-handed, 10-1/4" x 3/4" Hole Pattern
- 2" (51mm) projection
- Cast aluminum body, Painted Alum 689 & Bronze 695
- · Latch, Sweep, & Back Check speed adjustments
- · Back Check Position Valve
- Tri-Packed Regular, Top Jamb and Parallel Arm Mountings
- Adjustable Sizes Available 1-4 & 3-6 (7414 & 7436)
- 25-year manufacturer's limited warranty against defects

### Available Options & Accessories

- Top Jamb & PAB Mounting Plates
- Hold Open Arms & Brackets
- Blade Type & Narrow Stop Soffit Plates
- Optional Slim Plastic Cover

### **Compliance Standards**

- · ANSI/BHMA A156.4, Grade 1 certified
- · A.D.A. Compliant UL listed
- UL10C compliant for positive pressure
- California State Fire Marshall (CSFM) approved



8600 Series Door Closers

#### Features 5 4 1

- Non-handed, 12" x 3/4" Hole Pattern
- 2-1/8" (54mm) projection
- Cast aluminum body, Painted Alum 689 & Bronze 695
- · Latch, Sweep, & Back Check speed adjustments
- Tri-Packed Regular, Top Jamb and PA Mountings
- Adjustable Sizes Available 1-6
- Slim Plastic Cover Standard
- · 25-year manufacturer's limited warranty against defects

### Available Options & Accessories

- Top Jamb & PAB Mounting Plates
- · Hold Open Arms & Brackets
- Blade Type & Narrow Stop Soffit Plates
- Corrosion Resistant Option (NHO 7500SS)
- Optional Full Metal or Plastic Cover Available

### Compliance Standards

- ANSI/BHMA A156.4, Grade 1 certified
- A.D.A. Compliant UL Listed
- UL10C compliant for positive pressure
- California State Fire Marshall (CSFM)



8900 Series Door Closers

#### Features

- Non-handed, 5" x 2-1/8" Hole Pattern
- 2-1/8" (54mm) projection
- Cast aluminum body, Painted Alum 689 & Bronze 695
- · Latch, Sweep, & Back Check speed adjustments
- Tri-Packed Regular, Top Jamb and PA Mountings
- Adjustable Sizes Available 1-6 (8916)
- 25-year manufacturer's limited warranty against defects

### Available Options & Accessories

- Top Jamb & PAB Mounting Plates
- · Hold Open Arms & Brackets
- Blade Type & Narrow Stop Soffit Plates
- Optional Full Metal Cover Available

#### Compliance Standards

- ANSI/BHMA A156.4, Grade 1 certified
- A.D.A. compliant UL listed
- UL10C compliant for positive pressure
- California State Fire Marshall (CSFM)
   approved

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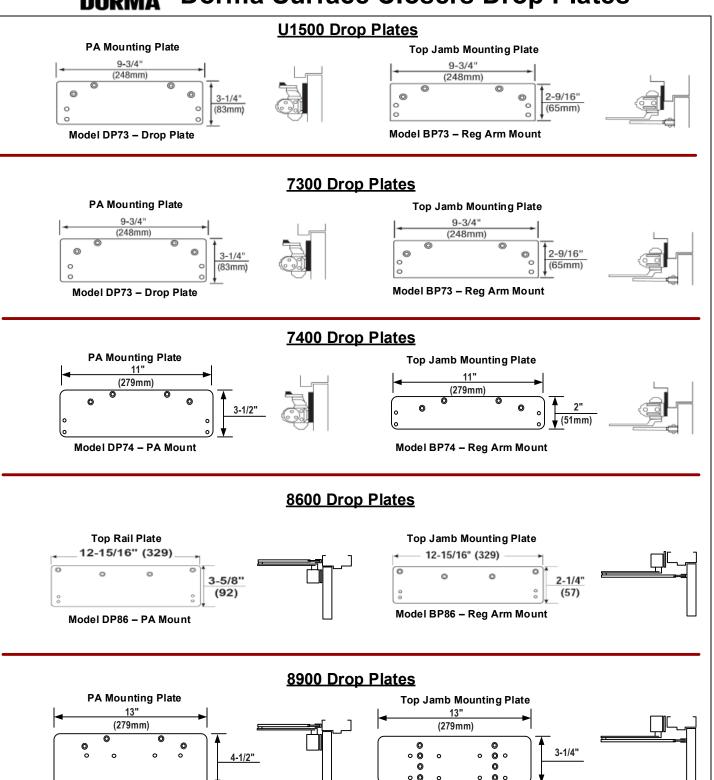
**Sentinel Door Controls** 







### **Dorma Surface Closers Drop Plates**



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Model DP89 - PA Mount

### **Sentinel Door Controls**

Model BP89 - Reg Arm Mount



## **DOR-O-MATIC** Surface Closers



SC93 & SC94 Series
Door Closers

#### Fe atures

- Non-handed, 9-1/16" x 3/4" Hole Pattern
- 2-7/8" (73mm) projection
- · Cast aluminum body, Painted Alum 689 & Bronze 690
- · Latch, Sweep, and Back Check adjustments
- Tri-Packed Regular, Top Jamb and Parallel Arm Mountings
- Fixed Size Available 3 (SC93) & 4 (SC94)
- · 10-year manufacturer's limited warranty against defects

#### **Available Options & Accessories**

- Top Jamb & PAB Mounting Plates
- · Hold Open Arms & Brackets
- · Blade Type & Narrow Stop Soffit Plates
- Molded Plastic Cover
- · Stainless Steel Corrosion Resistant Option

### **Compliance Standards**

- ANSI/BHMA A156.4, Grade 3 certified
- UL listed
- UL10C compliant for positive pressure



SC60 Series Door Closers

#### Features

- Non-handed, 9-1/16" x 3/4" Hole Pattern
- 2-7/8" (73mm) projection
- · Cast aluminum body, Painted A
- · Latch, Sweep, & Back Check speed adjustments
- · Back Check Position Valve
- Tri-Packed Regular, Top Jamb and Parallel Arm Mountings
- Adjustable Size 1-5
- 10-year manufacturer's limited warranty against defects

### Available Options & Accessories

- Top Jamb & PAB Mounting Plates
- Hold Open Arms & Brackets
- · Blade Type & Narrow Stop Soffit Plates
- · Optional Plastic Cover

### **Compliance Standards**

- · ANSI/BHMA A156.4, Grade 1 certified
- UL listed
- UL10C compliant for positive pressure
- · A.D.A. compliant



SC80 Series Door Closers

#### Features

- Non-handed, 12" x 3/4" Hole Pattern
- 2-1/8" (54mm) projection
- · Cast aluminum body, Painted A
- · Latch, Sweep, & Back Check speed adjustments
- · Tri-Packed Regular, Top Jamb and PA Mountings
- Adjustable Size 1-6
- 10-year manufacturer's limited warranty against defects

### Available Options & Accessories

- Top Jamb & PAB Mounting Plates
- · Hold Open Arms & Brackets
- Blade Type & Narrow Stop Soffit Plates

### **Compliance Standards**

- ANSI/BHMA A156.4, Grade 1 certified
- UL listed
- UL10C compliant for positive pressure
- · A.D.A. compliant



SC70 Series Door Closers

#### Features

- Non-handed, 6-3/4" x 2-3/8" Hole Pattern
- 2-1/8" (54mm) projection
- Cast aluminum body, Painted
- · Latch, Sweep, & Back Check speed adjustments
- All Weather Fluid
- Tri-Packed Regular, Top Jamb & Parallel Arm Mountings
- · Adjustable Sizes Available 1-6
- · High-Impact Molded Plastic Cover
- 10-year manufacturer's limited warranty against defects

### **Available Options & Accessories**

- Top Jamb & PAB Mounting Plates
- Hold Open Arms & Brackets
- Blade Type & Narrow Stop Soffit Plates

### **Compliance Standards**

- ANSI/BHMA A156.4, Grade 1 certified
- UL listed
- UL10C compliant for positive pressure
- · A.D.A. compliant

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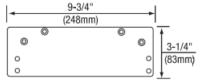
### **Sentinel Door Controls**

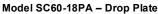


## **DOR-O-MATIC** Surface Closers Drop Plates

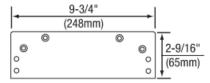
### SC93 / SC94 / SC60 Drop Plates

### **PA Mounting Plate**





Top Jamb Mounting Plate

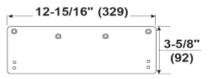


Model SC60-18 - Reg Arm Mount



### **SC80 Drop Plates**

### **PA Mounting Plate**



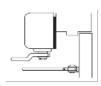
Model SC80-18PA - PA Mount



Top Jamb Mounting Plate

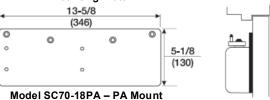


Model SC80-18 - Reg Arm Mount

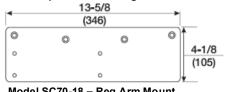


### **SC70 Drop Plates**

### **PA Mounting Plate**



### Top Jamb Mounting Plate



Model SC70-18 - Reg Arm Mount



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### **Sentinel Door Controls**



## **LCN** Surface Closers



1260 Series Door Closers

#### Fe atures

- · Non-handed, 9-1/16" x 3/4" Hole Pattern
- 2-7/8" (73mm) projection
- · Cast Iron body, Painted Alum 689 & Duro 695
- · Latch, Sweep, and Back Check adjustments
- · Tri-Packed Regular, Top Jamb and Parallel Arm Mountings
- Adjustable Sizes 1-5
- 10-year manufacturer's limited warranty against defects

### Available Options & Accessories

- Top Jamb & PAB Mounting Plates
- · Hold Open Arms & Brackets
- Blade Type & Narrow Stop Soffit Plates
- · Molded Plastic Cover
- · Stainless Steel Corrosion Resistant Option

#### Complicance Standards

- ANSI/BHMA A156.4, Grade 1 certified
- UL listed
- UL10C compliant for positive pressure
- A.D.A. compliant

4040 XP Series Door Closers

#### **Features**

- Non-handed, 5" x 2-1/4" Hole Pattern
- 2-1/4" (57mm) projection
- Latch, Sweep, & Back Check speed adjustments
- Tri-Packed Regular, Top Jamb and PA Mountings
- Adjustable Sizes 1-6
- · Cast Iron Body with Forged Steel Arm Standard
- Approved for Fire Rated openings (NHO)
- XP benefits now standard on all 4040 series closers
- · Standard Plastic Cover
- · All Weather Fluid Standard
- Exceeds 10 Million Cycle Testing
- 10-year manufacturer's limited warranty against defects

### Available Options & Accessories

- Top Jamb & PAB Mounting Plates
- · Hold Open Arms & Brackets
- Blade Type & Narrow Stop Soffit Plates
- · Optional Metal Cover

### **Complicance Standards**

- ANSI/BHMA A156.4, Grade 1 certified
- UL listed
- UL10C compliant for positive pressure
- · A.D.A. compliant



4050 XP Series Door Closers

#### Features

- Non-handed, 2-3/8" x 6-3/4" " Hole Pattern
- 2-1/4" (57mm) projection
- Latch, Sweep, & Back Check speed adjustments
- Tri-Packed Regular, Top Jamb and PA Mountings
- Adjustable Sizes 1-6
- Cast Aluminum Body
- Full Complement Bearing
- Universal Screw Pack
- Standard Full Plastic Cover
- Liquid X All Weather Fluid Standard
- Exceeds 10 Million Cycle Testing
- · 25-year manufacturer's limited warranty against defects

### **Available Options & Accessories**

- Top Jamb & PAB Mounting Plates
- · Hold Open Arms & Brackets
- Blade Type & Narrow Stop Soffit Plates
- Optional Metal Cover

### **Complicance Standards**

- ANSI/BHMA A156.4, Grade 1 certified
- UL listed
- UL10C compliant for positive pressure
- · A.D.A. compliant



4111 Series Door Closers

#### Features

- Handed, 6" x 2-1/2" Hole Pattern
- 2-1/4" (57mm) projection
- · Cast aluminum body, Painted A
- Latch, Sweep, & Back Check speed adjustments
- · Extra Duty Arm for PA Mounting Standard
- Adjustable Sizes Available 1-5
- Approved for Fire Rated Openings
- · Shipped with plastic cover
- Exceeds 10 Million Cycle Testing
- 10-year manufacturer's limited warranty against defects

### Available Options & Accessories

- Top Jamb & PAB Mounting Plates
- · Hold Open Arms & Brackets
- Blade Type & Narrow Stop Soffit Plates
- Optional Metal Cover

### Complicance Standards

- · ANSI/BHMA A156.4, Grade 1 certified
- UL listed
- UL10C compliant for positive pressure
- A.D.A. compliant

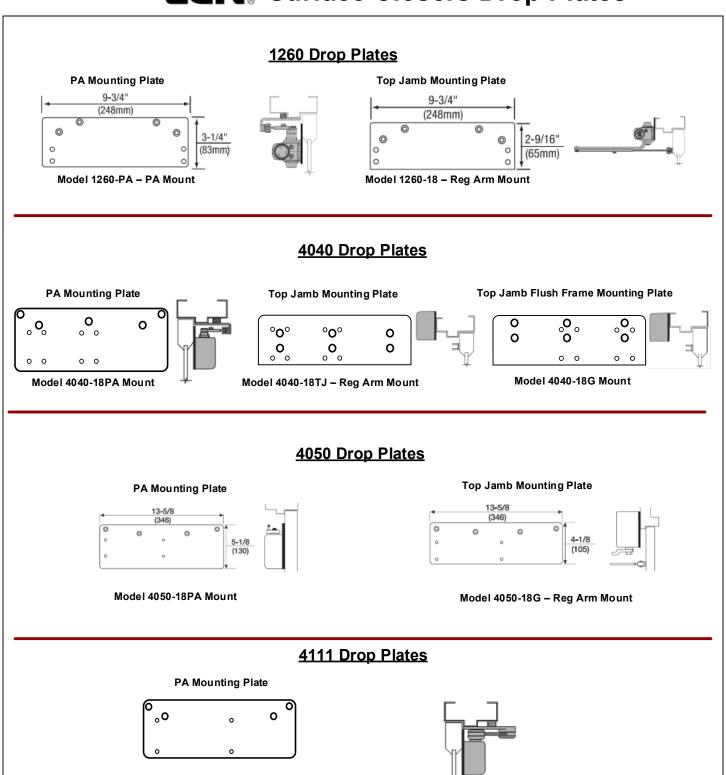
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### **Sentinel Door Controls**



## **LCN**<sub>®</sub> Surface Closers Drop Plates



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Model 4110-18PA - PA Mount

### **Sentinel Door Controls**



## **LCN** Surface Closers



1250 Series Door Closers

#### Features

- Non-handed, 9-1/16" x 3/4" Hole Pattern
- 2" (51mm) projection
- Cast aluminum body, Painted Alum 689 & Bronze 695
- · Latch, Sweep, & Back Check speed adjustments
- Back Check Position Valve
- Tri-Packed Regular, Top Jamb and Parallel Arm Mountings
- Adjustable Spring Tension 1-5
- 15-year manufacturer's limited warranty against defects

### Available Options & Accessories

- Top Jamb & PAB Mounting Plates
- · Hold Open Arms & Brackets
- Blade Type & Narrow Stop Soffit Plates
- · Optional Molded Plastic Cover

#### Compliance Standards

- ANSI/BHMA A156.4, Grade 1 certified
- UL/cUL, ADA, 100 Hour Salt Spray
- UL10C compliant for positive pressure
- •Meets BAA Buy American Act



1450 Series Door Closers

#### Features

- Non-handed, 12" x 3/4" Hole Pattern
- 2-1/8"" (54 mm) projection
- · Cast aluminum body, Painted Alum 689 & Bronze 695
- · Latch, Sweep, & Back Check speed adjustments
- Back Check Position Valve
- Tri-Packed Regular, Top Jamb and Parallel Arm Mountings
- Adjustable Spring Tension 1-5
- Available with Slim cover (72) or Full Cover (72FC)
- 25-year manufacturer's limited warranty against defects

### Available Options & Accessories

- Top Jamb & PAB Mounting Plates
- Hold Open Arms & Brackets
- Blade Type & Narrow Stop Soffit Plates

#### Compliance Standards

- ANSI/BHMA A156.4, Grade 1 certified
- UL/cUL, ADA, 100 Hour Salt Spray
- UL10C compliant for positive pressure
- •Meets BAA Buy American Act



1460 Series Door Closers

#### Features

- Non-handed, 7-1/2" x 1" Hole Pattern
- 2-3/8" (60mm) projection
- Cast Iron body
- · Latch, Sweep, & Back Check speed adjustments
- Tri-Packed Regular, Top Jamb and Parallel Arm Mountings
- Adjustable Sizes 1-6
- · Standard Slim Line Plastic Cover
- All Weather Fluid Standard
- 10-year manufacturer's limited warranty against defects

### Available Options & Accessories

- Top Jamb & PAB Mounting Plates
- · Hold Open Arms & Brackets
- Blade Type & Narrow Stop Soffit Plates
- Corrosion Resistant Option
- Optional Full Metal Cover Available
- Designer Cover Available

#### Complicance Standards

- ANSI/BHMA A156.4, Grade 1 certified
- UL listed
- UL10C compliant for positive pressure
- A.D.A. compliant

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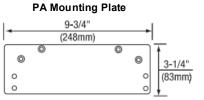


### **Sentinel Door Controls**



## LCN<sub>®</sub> Surface Closers Drop Plates

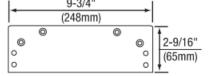
### 1251 Drop Plates



Model 1250-PA - PA Mount

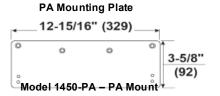


Top Jamb Mounting Plate
9-3/4"

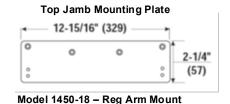


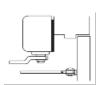
Model 1250-18 - Reg Arm Mount

### 1450 Drop Plates









1460 Drop Plates

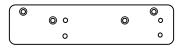
PA Mounting Plate



Model 1460-PA - PA Mount



**Top Jamb Mounting Plate** 





Model 1460-18 - Reg Arm Mount

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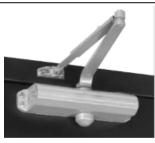


### **Sentinel Door Controls**





### **Surface Closers**



1600BC/1601 Series Door Closers

#### Features

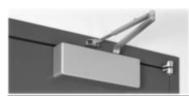
- Non-handed, 9-1/16" x 3/4" Hole Pattern
- 2-7/8" (73mm) projection
- Cast aluminum body, Painted Alum 689 & Bronze 690
- · Latch, Sweep, and Back Check adjustments
- · Tri-Packed Regular, Top Jamb and Parallel Arm Mountings
- Adjustable Sizes Available 3-6 (1601) & 1-4 (1601BF)
- Fixed Size Available 4 (1604BC)
- 10-year manufacturer's limited warranty against defects

### Available Options & Accessories

- Top Jamb & PAB Mounting Plates
- · Hold Open Arms & Brackets
- Blade Type & Narrow Stop Soffit Plates
- Molded Plastic Cover
- Stainless Steel Corrosion Resistant Option

#### **Compliance Standards**

- · ANSI/BHMA A156.4, Grade 1 certified
- UL listed
- UL10C compliant for positive pressure
- A.D.A. compliant (1601BF)



7500/7700 Series Door Closers

### Features

- Non-handed, 6-3/4" x 2-3/8" Hole Pattern
- 2-1/8" (54mm) projection
- Cast aluminum body, Painted
- · Latch, Sweep, & Back Check speed adjustments
- Back Check Position Valve
- Tri-Packed Regular, Top Jamb & Parallel Arm Mountings
- Adjustable Sizes Available 1-6 (7500)
- Fixed Sizes Available 2, 3, 4, 5 or 6 (7700)
- Molded Plastic Cover
- · 10-year manufacturer's limited warranty against defects

### **Available Options & Accessories**

- Top Jamb & PAB Mounting Plates
- Hold Open Arms & Brackets
- Blade Type & Narrow Stop Soffit Plates
- Corrosion Resistant Option (NHO 7500SS)
- Optional Metal Cover OR Security Cover

### Compliance Standards

- ANSI/BHMA A156.4, Grade 1 certified
- UL listed
- · UL10C compliant for positive pressure
- A.D.A. compliant (7500)
- New York City, MEA 41-60-SM



8000 Series Door Closers

### **Features**

- Non-handed, 12" x 3/4" Hole Pattern
- 2-1/8" (54mm) projection
- · Cast aluminum body, Painted
- · Latch, Sweep, & Back Check speed adjustments
- Tri-Packed Regular, Top Jamb and PA Mountings
- Adjustable Sizes Available 1-6 (8301/8501)
- 8300/8301 shipped with slim-line plastic cover
- 8500/8501 shipped with full plastic cover
- 10-year manufacturer's limited warranty against defects

### Available Options & Accessories

- Top Jamb & PAB Mounting Plates
- · Hold Open Arms & Brackets
- · Blade Type & Narrow Stop Soffit Plates
- Corrosion Resistant Option (NHO 7500SS)
- Optional Metal Cover OR Architectural Cover

### Compliance Standards

- · ANSI/BHMA A156.4, Grade 1 certified
- UL listed
- UL10C compliant for positive pressure
- A.D.A. compliant (7500)

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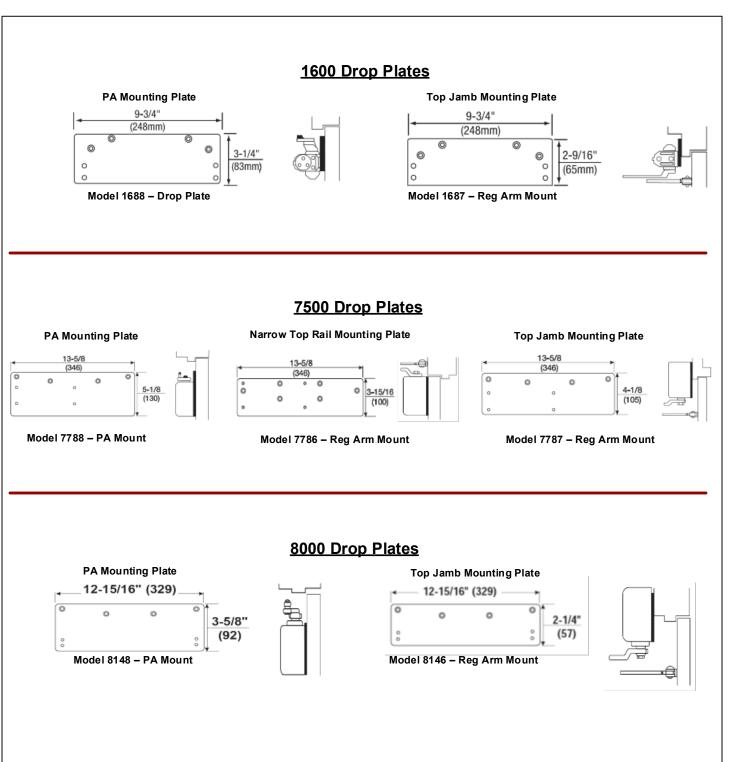


**Sentinel Door Controls** 





### **Norton Surface Closers Drop Plates**



Best Products! Best Selection! Best Customer Service!



### **Sentinel Door Controls**



## **Sentinel** Surface Closers



4016 Series Door Closers

#### Features

- Non-handed, 5" x 2-1/4" Hole Pattern with full cover
- 2-1/8" (54mm) projection
- UL listed complies with UL10C for positive pressure
- · Latch and Sweep Valve Adjustments
- Tri-Packed Regular Pull Side, Top Jamb, Parallel Arm
- Multi-size springs 1-6 adjustable power ADA Compliant
- · Supplied with both wood and machine screws
- 5-year manufacturer's limited warranty against defects

### Available Options & Accessories

- Top Jamb and Parallel Arm Drop Plates
- Bronze & Aluminum

### Compliance Standards

· ANSI/BHMA A156.4, Grade 1 certified



5000 Series Door Closers

#### Features

- Non-handed, 9-1/16" x 3/4" Hole Pattern except 5003 8-3/16" Available Options & Accessories
- 2-1/8" (54mm) projection
- Cast aluminum body, Painted Aluminum & Duro
- · Latch, Sweep, & Back Check speed adjustments
- · Tri-Packed Regular, Top Jamb and PA Mountings
- · Adjustable Sizes Available 1-4 and 3-6
- Fixed Sizes Available 3,4, and 5
- · 5-year manufacturer's limited warranty against defects

- Top Jamb & PAB Mounting Plates
- · Hold Open Arms & Brackets

### **Compliance Standards**

- ANSI/BHMA A156.4, Grade 1 certified
- UL listed 55H5



9016 Series Door Closers

### Features

- Non-handed, 11-1/8" x 3/4" Hole Pattern
- 2-7/8" (73mm) projection
- · Cast aluminum body, Painted Aluminum & Duro Standard
- Plated US26 & US3 Finishes Available (In Stock)
- · Latch, Sweep, & Back Check speed adjustments
- · Tri-Packed Regular, Top Jamb and PA Mountings
- · Adjustable Sizes Available 1-6
- · 2-year manufacturer's limited warranty against defects

### **Available Options & Accessories**

- PAB Mounting Plates
- Parallel & Hold Open Arms & Brackets

### **Compliance Standards**

- · ANSI/BHMA A156.4, Grade 1 certified
- UL listed UL10C compliant positive pressure

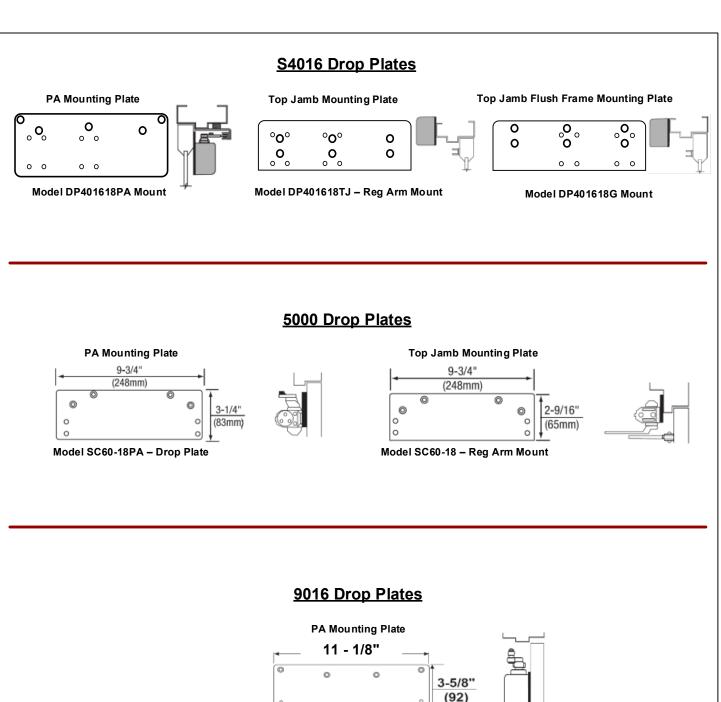
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### **Sentinel Door Controls**



## **Sentinel** Surface Closers Drop Plates



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Model LDP9000 - PA Mount



### **Sentinel Door Controls**



# Yale Surface Closers



50BC/51 Series Door Closers

#### Features

- Non-handed, 9-1/16" x 3/4" Hole Pattern
- 2-7/8" (73mm) projection
- · Cast aluminum body, Painted Alum 689 & Bronze 690
- · Latch, Sweep, and Back Check adjustments
- Tri-Packed Regular, Top Jamb and Parallel Arm Mountings
- Adjustable Sizes Available 3-6 (51) & 1-4 (51BF)
- Fixed Sizes Available 2, 3, 4, 5 or 6 (50BC)
- · 10-year manufacturer's limited warranty against defects

### Available Options & Accessories

- Top Jamb & PAB Mounting Plates
- · Hold Open Arms & Brackets
- · Blade Type & Narrow Stop Soffit Plates
- Molded Plastic Cover

### Compliance Standards

- ANSI/BHMA A156.4, Grade 1 certified
- UL listed
- UL10C compliant for positive pressure
- A.D.A. compliant (1601BF)



1900 Series Door Closers

#### Features

- Non-handed, 6-3/4" x 2-3/8" Hole Pattern
- 2-1/8" (54mm) projection
- · Cast aluminum body, Painted
- Latch/Sweep, & Back Check Cushioning Adjustments
- Tri-Packed Regular, Top Jamb & Parallel Arm Mountings
- Adjustable Sizes Available 2-4 & 5/6
- 10-year manufacturer's limited warranty against defects

### **Available Options & Accessories**

- Top Jamb & PAB Mounting Plates
- Hold Open Arms & Brackets
- Blade Type & Narrow Stop Soffit Plates
- Corrosion Resistant Option (NHO 7500SS)
- Optional Metal Cover OR Security Cover

#### **Compliance Standards**

- ANSI/BHMA A156.4, Grade 3 certified
- UL listed
- UL10C compliant for positive pressure
- New York City, MEA



3300 Series Door Closers

### Features

- Non-handed, 12" x 3/4" Hole Pattern
- 2-1/8" (54mm) projection
- Cast aluminum body, Painted Alum (689) or Bronze (690)
- · Latch, Sweep, & Back Check speed adjustments
- · Packed with Regular & Top Jamb Mountings
- 3301/3501 Slim Line Plastic Cover shipped standard
- Adjustable Sizes Available 1-6
- 10-year manufacturer's limited warranty against defects

#### **Available Options & Accessories**

- Top Jamb & PAB Mounting Plates
- Parallel & Hold Open Arms & Brackets
- Blade Type & Narrow Stop Soffit Plates
- Metal & Architectural Covers Available

### **Compliance Standards**

- ANSI/BHMA A156.4, Grade 1 certified
- UL listed UL10C compliant positive pressure
- Listed by the New York City Board of Standards and Appeals; Materials and Equipment Acceptance Division

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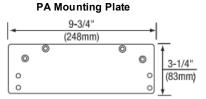
### **Sentinel Door Controls**





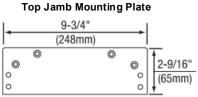
## **Surface Closers Drop Plates**

### 50BC/51 Drop Plates



Model SC60-18PA - Drop Plate



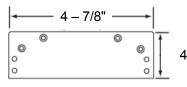


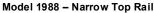
Model SC60-18 - Reg Arm Mount



### 1900 Drop Plates

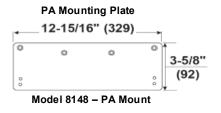
Narrow Top Mounting Plate

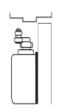


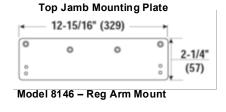


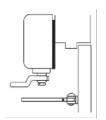


### 3300 Drop Plates









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### **Sentinel Door Controls**

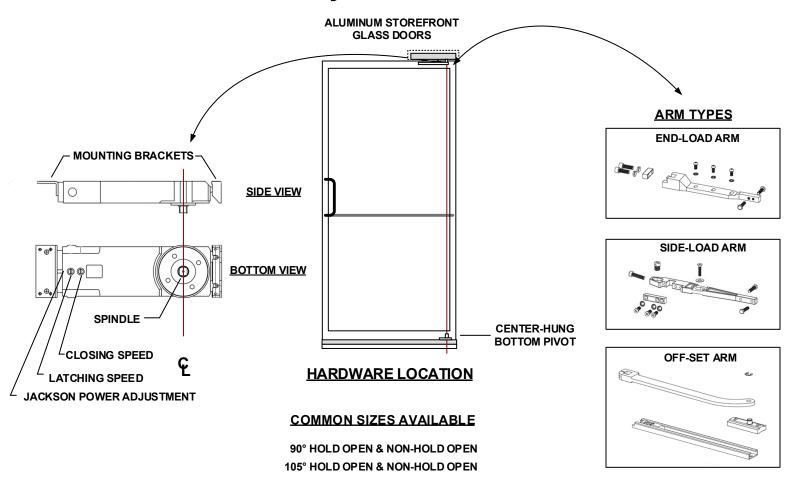
### **Concealed Closers**



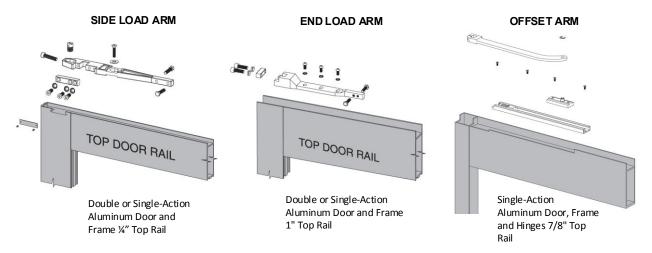




### **Anatomy of OHC Closers**



### **Mounting Applications for Aluminum Doors & Frames**



NOTE: CLOSERS ARE NOT HANDED - WILL WORK ON SINGLE & DOUBLE ACTING DOORS

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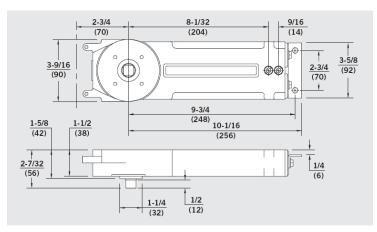


#### **DORMA RTS88**

Architects are often challenged to design buildings that are both beautiful and functional, down to the last detail. The DORMA RTS88 overhead concealed door closer offers the perfect solution for those who prefer the aesthetic advantages of a concealed door closer.

The RTS88 is designed to give lasting, dependable service where surface applied units and other types of closers are not suitable, or would interfere with the architectural design. It can be easily installed in wood, aluminum, or hollow metal doors and frames, for single and double-acting doors.

Contractors appreciate the RTS88 closer, because the majority of door and frame preparation is done prior to installation of the unit, resulting in less on-site machining. The RTS88 is also an excellent replacement closer for problem entrances.



**RTS Series Standard Closer Dimensions** 



Size Selector Chart RTS88 Series		
Maximum	Closer	
Interior	Exterior	Size
to 3'-0"	to 2'-6"	*2
over 3'-0" to 3'-6"	over 2'-6" to 3'-0"	3
over 3'-6" to 4'-0"	over 3'-0" to 3'-6"	4

<sup>\*</sup> Size (2) is available for 90° deadstop or deadstop/hold open only. For 105° applications, substitute the RTS88 BFE for the door ranges shown.

Note: The listed door widths and recommended sizes are for average conditions. In the case of tall or heavy doors or where doors are subject to wind or draft conditions, the larger closer should be selected.

Size Selector Chart RTS88 BFI/BFE		
Door Width		Barrier-Free
Interior	Exterior	Closer
3'-0" ₺	_	RTS88 BFI *
_	3'-0" &	RTS88 BFE *

 $<sup>\</sup>mbox{\cline{C}}_{-}$  - Meets 5 lb interior or 8.5 lb exterior maximum opening force on 3'-0" wide center hung doors.

Note: Although DORMA RTS88 BFI/BFE Series closers comply with barrier-free opening force restrictions, adequate control can not be guaranteed during compliance of these restrictions.

#### **FEATURES**

- Compact closer body is designed to fit into headers as small as 1-3/4" x 4".
- Closer body is non-handed.
- One closer for both single-acting or double-acting doors.
- Accommodates a maximum door weight of 250 lb.
- A pressure relief valve protects closer from damage caused by forced closing.
- An integral positive stop limits door swing to 90° or 105°.
- An auxiliary stop should always be installed in conjunction with RTS88.
- A mechanical backcheck slows down the door prior to contact with the positive stop.
- Closing speeds are controlled by two non-critical adjustment valves. Sweep area is from 105° to 20°. Latch area is from 20° to 0°.
- The standard RTS88 is furnished without hold open. Optional single point mechanical hold open is available at 90° or 105°.

- The RTS88 BFI and RTS 88 BFE are available in 105° NHO and 105° HO only.
- The RTS88 offers a cast-iron body along with heavy-duty ball bearings at the spindle.
- Mounting brackets are available to install closer into aluminum or wood headers.
- Packages are available for side load, end load, and offset slide arm applications. For independently hung doors with 8812 slide arm, the maximum degree of opening and hold open angle may vary slightly.
- No. 8521E add-on spindle extension is available for special applications where additional clearance is required between the closer body and the door.
- Cover plates are available for virtually any type header material.
- No. 8820J conversion bracket is available for replacement of existing overhead concealed closers with the RTS88.
- The RTS88 is manufactured to conform with the requirements of ANSI A156.4.

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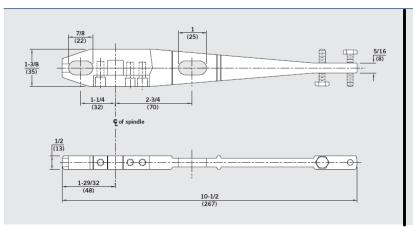
### **Sentinel Door Controls**

<sup>\*</sup> Available for 105° dead stop or dead stop/hold open only.

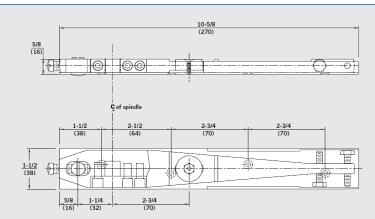




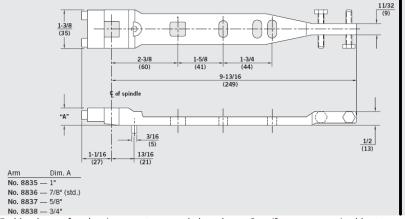
### RTS End Load, Side Load and Offset Arms



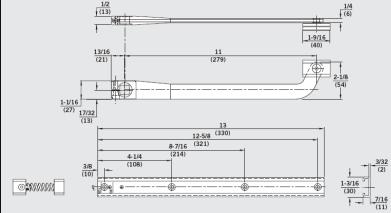
**No. 8831** — Standard side load arm for aluminum or steel doors. Requires a minimum 1/2" top door rail channel depth.



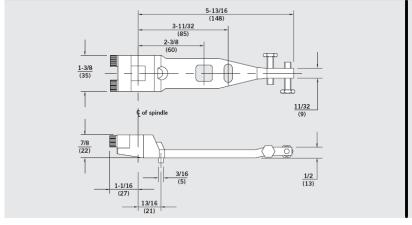
 ${
m No.~8832}$  — Side load arm with channel for wood doors. Requires a 5/8" mortise depth.



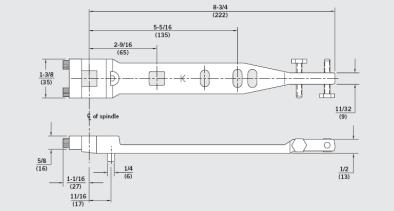
End load arms for aluminum or tempered glass doors. Specify arm as required by top door rail channel depth.



**No. 8812** — Offset slide arm and channel for aluminum, steel or wood doors, hung on 3/4" offset pivots or 4-1/2" wide butt hinges. Requires a minimum 3/4" top door rail channel depth.



**No. 8836 S** — End load arm specifically designed for tempered glass doors with a short top rail (patch fitting). Requires a minimum 7/8" top door rail channel depth.



No. 8837 K — End load arm specifically designed to match templating of Kawneer end load arm.

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### **Sentinel Door Controls**





#### 20-330 Series, Standard Adjustable OHC Closer

The Jackson 20-330 Series Overhead Concealed Closer has been the leader in the industry for more than 35 years. The closer is manufactured in the U.S.A. under strict ISO 9001 guidelines and is designed to give long lasting maintenance free performance. This closer is truly universal. One basic closer mechanism allows for single or double acting, center-hung or offset applications and is non-handed. Suitable for both interior and exterior installations, it provides complete door control in a compact and concealed design. Available in adjustable spring power makes this the ideal closer for aluminum, wood or hollow metal doors and frames.

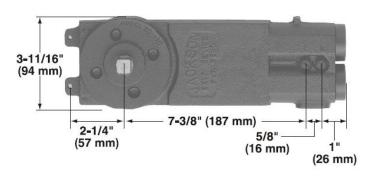


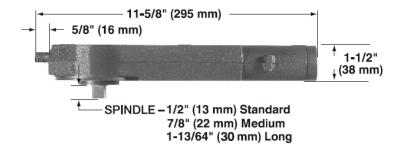
#### 20-330 Series, Grade 1, OHC Closer w/ Back Check Functionality

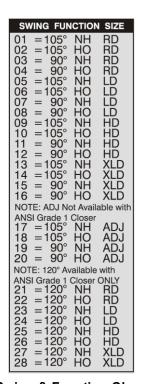
The Jackson 20-330 Series Grade 1 Overhead Concealed Closer meets ANSI/BHMA Grade 1 Closer requirements. The closer is manufactured in the U.S.A. under strict ISO 9001 guidelines and is designed to give ultimate durability and maintenance free performance. This closer is truly universal. One basic closer mechanism allows for single or double acting, center-hung or offset applications and is non-handed. Suitable for both interior and exterior installations, it provides complete door control in a compact and concealed design suitable for aluminum, glass, wood and hollow metal doors. Available in 4 fixed spring sizes all with backcheck ability that will provide the ultimate protection from wind or violent door swings without impeding normal traffic flow.



#### **Dimension & Sizing Information**







**Swing & Function Chart** 

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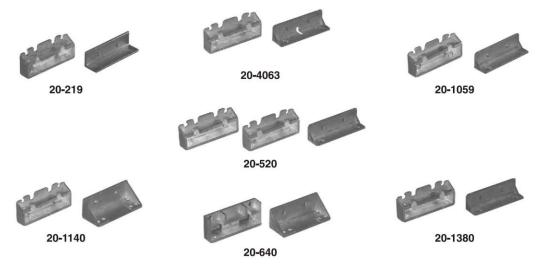


### **Sentinel Door Controls**

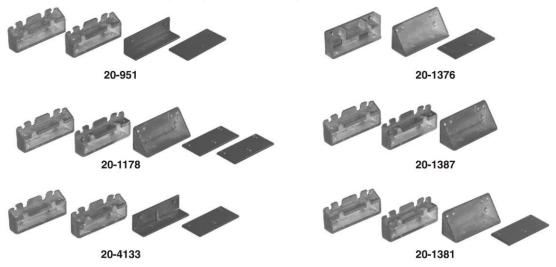




#### **CENTER HUNG APPLICATIONS**



#### OFFSET APPLICATIONS



#### **Cover Plates**

#### Rounded Corners



20-1103 - 3-¾" x 12-½" (95 x 317.5mm) 20-3152 - 3 Valve Access

#### **Square Corners**



20-190 – 3-11/16" x 13-¾" (70 x 317.5mm) 20-1552 – 4-¼" x 14" (108 x 355.6mm) 20-3147 – 3 Valve Access

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### **Sentinel Door Controls**

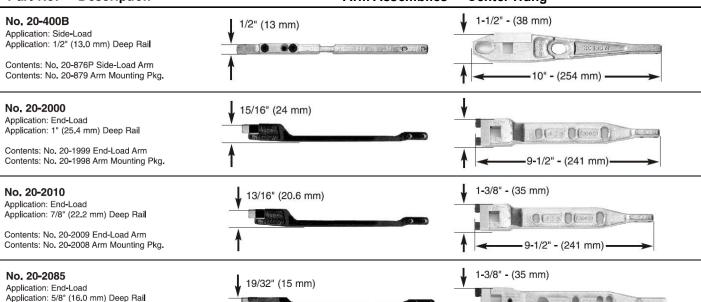


# iackson Center Hung Arms

#### FOR ALUMINUM DOORS

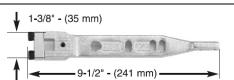


#### Arm Assemblies - Center Hung



Contents: No. 20-2081 End-Load Arm Contents: No. 20-2008 Arm Mounting Pkg.





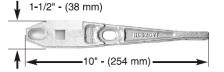
#### FOR WOOD DOORS

#### No. 20-510

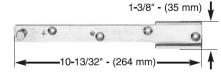
Application: Side-Load Application: 5/8" (16.0 mm) Deep Application: Mortised Rail

Contents: No. 20-876P Side-Load Arm Contents: No. 20-240P Door Channel Contents: No. 20-4061 Mounting Pkg.









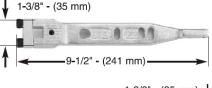
#### No. 20-2090

Application: End-Load

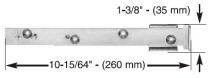
Application: 3/4" (19.0 mm) Deep Application: Mortised Rail

Contents: No. 20-4060P End-Load Arm Contents: No. 20-245P Door Channel Contents: No. 20-4062P Mounting Pkg.









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### **Sentinel Door Controls**



# jackson Center Hung Floor Pivots



No. 20-902 (Type G) Height Adjustable

Application: For Floor Installation Application: For 1-1/2" (38 mm) Deep Bottom Rail

Components: No. 20-741 Door Portion : No. 20-742 Floor Portion





#### No. 20-944 (Type GE)

Height Adjustable

Application: For Threshold Installation Application: For 1-1/2" (38 mm) Deep Bottom Rail

Components: No. 20-741 Door Portion ts: No. 20-943 Threshold Portion





#### No. 20-1155 (Type BE)

Application: For Threshold Installation
Application: For 1" (25.4 mm) Deep Bottom Rail

Components: No. 20-1154 Door Portion Components: No. 20-943 Threshold Portion



#### No. 20-1570 (Type GW)

Application: For Floor Installation Application: For 1" (25.4 mm) Deep Bottom Rail

Components: No. 20-647 Door Portion Components: No. 20-1062 Floor Portion



#### No. 20-1060 (Type P)

Application: For Floor Installation Application: For 1-9/16" (39.7 mm) Deep Bottom Rail

Components: No. 20-1061 Door Portion Components: No. 20-1062 Floor Portion





#### No. 20-728 (Type AE)

Application: For Threshold Installation Application: For 1" (25.4 mm) Deep Bottom Rail

Components: No. 20-647 Door Portion Components: No. 20-607 Threshold Portion



#### No. 20-1410 (Type EF)

Application: For Threshold Installation Application: For 1-9/16" (39.7 mm) Deep Bottom Rail

Components: No. 20-1061 Door Portion Components: No. 20-607 Threshold Portion



#### No. 20-1680 (Type BV)

Application: For Combination Floor & Application: Threshold Installation Application: For 1" (25.4 mm) Deep Bottom Rail

Components: No. 20-647 Door Portion Components: No. 20-1062 Floor Portion Components: No. 20-650 Threshold Mounting Pkg.



#### No. 20-1685 (Type UP)

Application: For Combination Floor & Application: Threshold Installation

Application: For 1-9/16" (39.7 mm) Deep Bottom Rail

Components: No. 20-1061 Door Portion Components: No. 20-1062 Threshold Portion Components: No. 20-650 Threshold Mounting Pkg.

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### **Sentinel Door Controls**





### Offset Arm, Slide Track Assembly & Cover

#### **OFFSET ARM & SLIDE CHANNEL ASSEMBLY**

#### Part No. - Description

#### Arm Assemblies - Center Hung

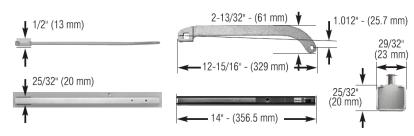
#### No. 20-900-LC

Application: Mortise Type 7/8" (22 mm) Deep Rail

Contents: No. 20-942 Offset Arm

No. 20-368 Slide Channel Assembly No. 20-951 Closer Mounting Brackets

No. 20-385 Channel Mounting Pkg.



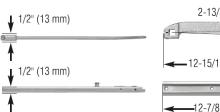
#### No. 20-1134-LC

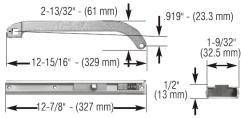
Application: Surface Mounted 5/8" (16 mm) Shallow Rail

Contents: No. 20-1133 Offset Arm

No. 20-1129 Slide Channel Assembly

No. 20-1375 Closer Mounting Brackets No. 20-1305 Channel Mounting Pkg.



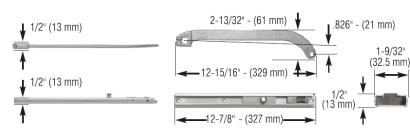


#### No. 20-1312-LC

Application: Surface Mounted 5/8" (16 mm) Shallow Rail

Contents: No. 20-1149 Offset Arm

No. 20-1129 Slide Channel Assembly No. 20-1178Closer Mounting Brackets No. 20-1305 Channel Mounting Pkg.



#### **COVERS**

APPLICATION: Right Hand = No. 20-117

Left Hand = No. 20-106

**DIMENSIONS:**  $2"W \times 7/8"H \times 42-\frac{1}{4}"L (51 \times 22 \times 1073mm)$ 

MATERIAL: Aluminum

FINISH: Standard Anodized Finishes:

US28 / 628 = Clear Satin Aluminum

• DBZ / 313 = Dark Bronze

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### **Sentinel Door Controls**



The concealed **2030 Series PACER®** is a heavy duty closer designed to fit in a narrow, minimum 1-3/4" aluminum transom. The single lever arm and roller assembly provide smooth, quiet door control and the choice of finishes and track functions meet

virtually all architectural requirements.



#### **Certifications:**

Grade 1 - ANSI A156.4 UL10 C, ADA, 100 Hour Salt Spray, Meets BBA - Buy American Act

#### **LCN 2030 information:**

- Cast Iron Body
- Handed Closer
- Full Complement Bearing
- 1 1/8" Diameter Piston
- 11/16" Diameter Double Heat Treated Pinion Journal
- 15 Year Warranty
- Sized 1-5
- All weather fluid

#### **Mounting:**

Concealed (in tube); aluminum frame requires minimum 1-3/4" (44 mm) x 4" (102) mm)tube

#### **Fasteners:**

Wood and Machine Screw Pack

#### Arms:

Standard arm and track

The concealed 5030 Series PACER® is a heavy duty closer designed to fit in a narrow, minimum 1-3/4" aluminum transom. The double lever arm provides superior door control and the choice of finishes and arm functions meet virtually all architectural requirements.



#### **Certifications:**

Grade 1 - ANSI A156.4 UL10 C, ADA, 100 Hour Salt Spray, Meets BBA - Buy American Act

#### LCN 2030 information:

- Cast Iron Body
- Handed Closer
- Full Complement Bearing
- 1 1/8" Diameter Piston
- 11/16" Diameter Double Heat Treated Pinion Journal
- 15 Year Warranty
- Sized1;3-6
- All weather fluid

#### **Mounting:**

Concealed (in tube); aluminum frame requires minimum 1-3/4" (44 mm) x 4-1/2" (114) mm)tube

#### **Fasteners:**

Wood Screws

#### Arms:

Regular Arm

The concealed 6030 Series PACER® is a heavy duty, double acting closer designed to fit in a narrow, minimum 1-3/4" header. The single lever arm and roller assembly provides smooth, guiet door control and the choice of finishes and track functions meet virtually all architectural requirements. Installation at left illustrated with center pivot set (not included).



#### **Certifications:**

Grade 1 - ANSI A156.4 UL10 C, ADA, 100 Hour Salt Spray, Meets BBA - Buy American Act

### LCN 2030 information:

- Cast Iron Body
- Non- Handed Closer
- Full Complement Bearing
- 1 1/8" Diameter Piston
- 11/16" Diameter Double Heat Treated Pinion Journal
- 15 Year Warranty
- Sized1-5
- All weather fluid

#### **Mounting:**

Concealed (in tube); Double Acting

#### **Fasteners:**

Wood Screws

#### Arms:

Standard Arm with Track

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### **Sentinel Door Controls**

1 1/2"



## **Sentinel**

1 5/8\*

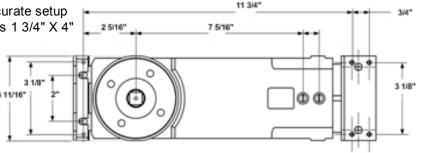


## 30 Series Overhead Concealed Closer

The Sentinel 30 Series Overhead Concealed Door Closer offers the perfect solution for thoes who prefer the aesthetic advantages of a concealed door. Easily installed in wood, aluminum or hollow metal doors and frames, for single and double-acting doors, the 30 Series is designed to give lasting, dependable aservice where surface-applied units and other types of closers are not suitable or would interfere with the architectural design.

#### Features:

- · Light, Medium, and Heavy spring tension available
- · Durable cast iron construction ensures product longevity
- · Non-handed spring adjustable for easy on-site door installation
- · Easy to read instruction sheets for easy and accurate setup
- Fits aluminum header or transom bar as small as 1 3/4" X 4"
- Positive centering for alignment
- · Available in a fixed size 3 only
- · Mounting clips included
- 5-year guarantee for peace of mind



### **Sentinel Overhead Concealed Closer Accessories**



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### **Sentinel Door Controls**





#### RIXSON 607/608 Series

- Available in non-hold open (door swings to 130° each direction).
- Available in hold open models—specify 90° or 105°.
- Model 607 is for 5# opening force at 30". Do not use on exterior doors or doors over 36" wide.
- Product should always be used with auxiliary stop.
- 1-3/4 Doors only.
- Adjustable closing and latch speeds.
- Not available with cold weather fluid or delayed action.
- On single acting center hung application frame stop is required order separately.
- 1/2" longer than standards spindle is available and must be ordered as part of the closer, it cannot be added later.

#### 600 Series



#### RIXSON 700 / 800 Series

- 700 Aluminum door/frame M700 Metal door/frame.
   W700 Wood door/frame MW700 Wood door/metal frame.
- Available non hold-open (N) or hold open (A). Specify degree (90° or 105°, A or N).
- Closer package includes bottom pivot for 1-3/4" doors.
- Always use auxiliary stop.
- 1/2" extended spindle available specify when ordering.
- Adjustable closing speed.
- Adjustable hydraulic back-check.
- Not available CWF or DA.
- For ADA compliance use Model 706 for interior 36" doors.
- Applied stop required (see part number 60131 page 34).
- Metal frames require 192 mounting channel which must be welded into frame prior to shipment. Included with closer. Wood frames require 198 mounting plate. Included with closer.
- Cover plate only shipped with M/MWW models.

#### 700 Series



Single Acting Closer

800 Series



**Double Acting Closer** 

#### **RIXSON 91 Series**

- Single acting, offset hung, Handed Closer
- Heavy-duty cast iron closer
- Forged arms and Steel alloy track
- One-piece mounting plate
- 1-1/4" piston diameter
- Door weight up to 250 lbs.
- Optional hold open assembly in the track
- Staked brass valves
- All weather fluid
- Two models available; specify model 91 for 3-6 adjustable spring, specify PH91 for 1-3 adjustable spring

91 Series



Offset Hung Closer

Best Products! Best Selection! Best Customer Service!



### **Sentinel Door Controls**

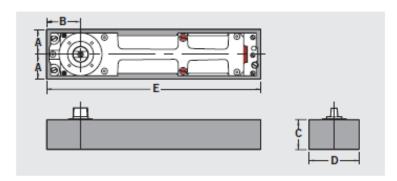




#### **DORMA BTS80 Series**

The BTS80 Series of floor-concealed door closers offer adaptability to almost any installation. The closer's compact body permits its use where a larger closer would be prohibitive. Versatility allows installation in thin slab concrete subfloor construction.

A wide selection of interchangeable spindles makes the BTS80 suitable for virtually any floor covering or threshold application. Because the BTS80 can control exceptionally heavy single- and double-acting doors, you can incorporate the floor closer into almost any design to meet most materials, size, and weight requirements.



**BTS Series Standard Closer Dimensions** 

#### SIZE 3, 4 & 6 FEATURES

- Compact closer body and cement case 2-3/8" deep suited for thin slab concrete construction.
- Accommodates doors weighing up to 660 pounds and 4'-6" wide interior and 4'-0" exterior.
- Closer body is non-handed.
- Mechanical backcheck at approximately 70°.
- Selectable delayed action between 175° and 75°. Extends the closing cycle to allow unobstructed passage.
- Delayed action is functional when hold open is not engaged.
- Dual thermostatic control valves combined with special hydraulic fluid provide controlled closing from 175°.
- Selectable multipoint hold open between approximately 75° and 175°.
- Adjustment for start of hold open range or when delayed action releases. Adjustable between 75° and 105°.

#### **BARRIER FREE FEATURES**

- Same as above.
- Designed to meet 8.5 pound maximum opening force requirements for exterior barrier free doors.



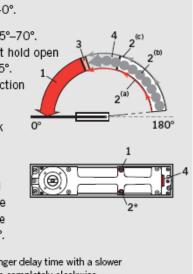
Size Selection Chart BTS80/BTS80 F				
BTS80	BTS80 F	Exterior	Interior	
ANSI Size 3	_	2'6"-3'0 <b>'</b>	2'6"-3'6 <b>"</b>	
ANSI Size 4	ANSI Size 5	2'6"-3'6"	2'6"-4'0"	
ANSI Size 6	_	3'6'-4'0"	4'0"-4'6"	

Maximum door widths and recommended sizes shown are for average conditions. If there are unusual site conditions, e.g. high or exceptionally heavy doors or wind pressure, the next stronger spring size should be selected.

Features	BTS80	BTS80	BTS80 F
Spring Sizes	3	4, 6	5
Non-handed unit suitable for both single- and double-acting doors	•		-
Controlled closing with two adjustable valves	175°-70° 70°-0°	175°-70° 70°-0°	180°-0° 7°-0°
Mechanical backcheck	-	•	•
Delayed action	•	•	-
Multipoint hold open between 75° and 175°	•	•	-

• ves - no

- 1 Valve adjustment 70°-0°.
- 2 <sup>(a)</sup>Valve adjustment 175°-70°. (b)Selectable multipoint hold open between 75° and 175°. (c)Selectable delayed action from 175° to 75°.
- 3 Mechanical backcheck at approximately 70° (except size 3).
- 4 Start of hold open/end of delayed action range adjustment. Adjustable between 75° and 105°.
  - \* Clockwise turns create a longer delay time with a slower closing speed. Turning valve completely clockwise creates hold open and eliminates delayed action.



Best Products! Best Selection! Best Customer Service!



### **Sentinel Door Controls**





### Floor Closers

### RIXSON 27 Series Floor Closer

- Built-in positive dead stop prevents door from swinging beyond the desired opening degree (specify 85, 90, 95 or 105°)
- Separate and independent valves for closing speed, latch speed and backcheck
- Delayed action available-prefix "DA" Available non hold-open (NHO), automatic hold open (AHO) or selective hold open (SHO) at same degree as dead stop
- Models available to meet ANSI A117.1 opening force requirements. Prefix "PH"
- Cold weather fluid available-specify "CWF" (not available for closers with "DA")
- Sealed closer available-specify "SC" Available with floor plate or threshold installation (floor plate shown) Available 1-1/2" offset.
- Cycolac cement case
- Vertical door adjustment
- Standard top pivot: #180 included
- Intermediate pivot required: M19 (order separately)Doors up to 90"(2286mm) in height should use one intermediate pivot. Each additional 30"(762mm) warrants another intermediate pivot (order separately)

### RIXSON 28 Series Floor Closer

- Built-in positive dead stop prevents door from swinging beyond the desired opening degree (specify 85, 90, 95 or 105°)
- Separate and independent valves for closing speed, latch speed and backcheck
- Delayed action available-prefix "DA"
- Available non hold-open (NHO), automatic hold open (AHO) or selective hold open (SHO) at same degree as dead stop
- Models available to meet ANSI A117.1 opening force requirements. Prefix "PH"
- Sealed closer available-specify "SC"
- Available with floor plate or threshold installation (floor plate shown)
- Cycolac cement case
- Arm centering adjustment
- Standard top pivot: #340 included
- Not allowed for fire rated doors
- Applied stop required

### RIXSON 30 & 40 Series Floor Closer

#### 30 Series Features

- Double Acting, Non-handed
- Interior or Exterior^ Doors
- · Weight to 200 lbs.
- Sizes up to 4'0" x 8'6"\*

#### 40 Series Features

- Double Acting, Non-handed
- Interior or Exterior^ Doors
- Weight to 300 lbs.
- Sizes up to 4'0" x 8'6"\*

#### **CommonFeatures**

- Maximum door opening 103°
- Auxiliary door stop required, overhead or floor type
- · Steel cement case
- Standard top pivot: #340 included





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### **Sentinel Door Controls**



### **IMPORTANT NOTES**

-	

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### **Sentinel Door Controls**

## **Low Energy Operators**

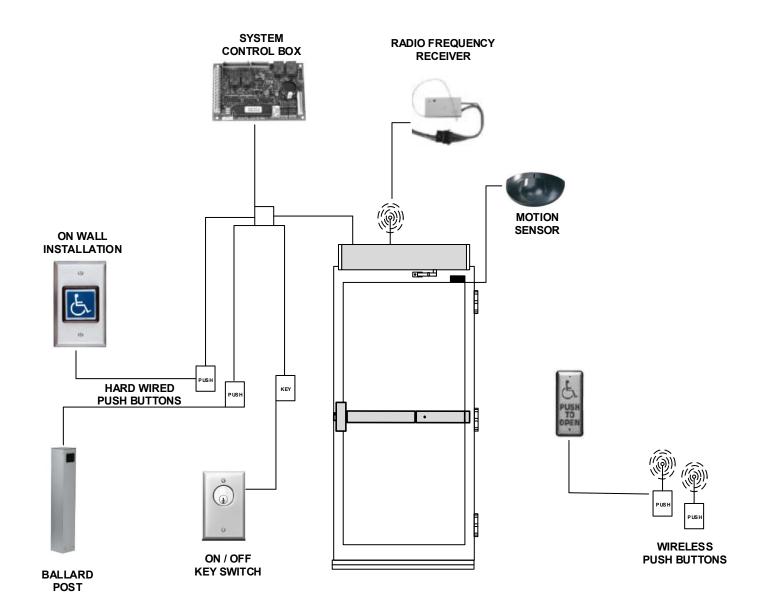


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### **Anatomy of Low Energy Operators**



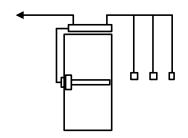
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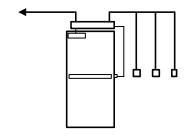
### **Sentinel Door Controls**



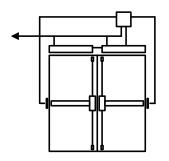
### **INTEGRATED OPENINGS - RISER DIAGRAM SAMPLES**



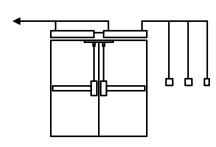
SINGLE DOOR W/ ELECTRIC STRIKE & KEYPAD



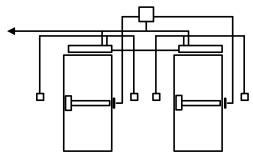
SINGLE DOOR W/ MAG LOCK & KEYPAD



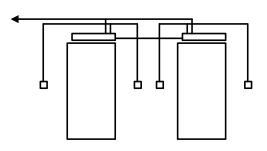
PAIR OF DOORS W/ LATCH RETRACTION SVR DEVICES



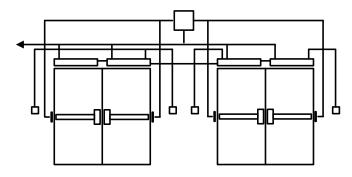
PAIR OF DOORS W/ DOUBLE STRIKE & SVR X LBR DEVICES



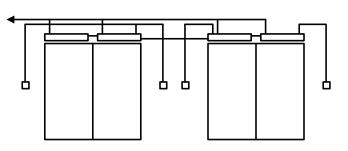
2 SINGLE COMMUNICATING DOORS IN VESTIBULE W/LATCH RETRACTION RIM DEVICES



2 SINGLE COMMUNICATING DOORS IN VESTIBULE



2 PAIRS OF COMMUNICATING DOORS IN VESTIBULE W/ LATCH RETRACTION CVR DEVICES



2 PAIRS OF COMMUNICATING DOORS IN VESTIBULE

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### **Sentinel Door Controls**

### **Low Energy Operators**







## DORMA's most advanced low-energy swing door power operator.

The ED900 is fully ADA compliant – helpful for children, the elderly, persons with disabilities, or those carrying or pushing objects. The operator is exceptionally quiet, safe, and easy to use. Doors open at precisely controlled speeds and forces, assuring safety for all users.



### **Dorma ED900 Low Energy Operator**

#### Small footprint

In addition, the ED900 low energy operator boasts the smallest footprint in the industry, up to 65 percent smaller than some other manufacturers' operators.

#### Advanced features

The ED900 also includes a blow-open feature for smoke ventilation (per NFPA code 92B), permanent hold-open, and an onboard power supply delivering 1.5 amps @ 24-volt DC, which eliminates the need for a secondary power supply. It includes twelve programmable options to accommodate even the most challenging door installations.

#### **Fully ADA compliant**

The new operator is especially helpful for children, the elderly, persons with disabilities, or those carrying objects or pushing carts. This fully ADA-compliant device opens doors at precisely controlled speeds and forces, assuring safety for all users.

#### Advanced power assist

When operated manually, the ED900 demands little physical effort. Advanced power assist through the entire opening cycle makes even the heaviest-rated door feel light

**DORMA ED900** Series low energy operators with selectable low energy or power assist. Low energy function to cycle the door open as programmed. Power assist function for decreased opening force when manually operated. Operator to have a programmable push and go. All operators to have programmable sweep speed, latch speed, and backcheck cushioning.

Operators to have the following programmable options for power open functions: delay time, opening time/ opening force, opening angle, and door width selector. Operators to have selectable jumper to accommodate push or pull side applications. Operators to have on/off strike delay when the ED900 must delay while a locking device releases. Push side (top jamb) and pull side (track) arms to be available. All operators will be hard wired. All operators to have selectable on/off obstacle detection on closing.

Best Products! Best Selection! Best Customer Service!



### **Sentinel Door Controls**



## LCN®

### Low Energy Operator for Primarily Manual Opening

To be used when the primary use of the door is manual opening. The door will be manually opened most of the time and at the touch of a button, the door will open safely and automatically. LCN power operators control both the opening and closing motion of the door.

### 4600 Electric AutoEqualizer™



#### Smart & Reliable:

- NEW Digital Control Suite for easy installation & setup
- Complete unit tested to over 3 Million cycles, 10 times the industry standard!
- Integrates LCN's 10 Million Cycle Heavy Duty 4040 Door Closer
- Complete On-Board Diagnostics ensures trouble-free installation
- No-Destruct Feature ensures long-life even in abusive applications
- Convenient On-Board Power Supply to power actuators, electric strikes and peripherals
- Backup Factory-Default Memory allows you to reset the unit to default settings
- Quick Plug-and-Play connections makes sensor integrations simple & fast
- Electro-hydraulic unit
- No guard rails or safety mats required due to low-energy design
- Mounting Configurations:
- Surface mount top jamb (pull and push side)
- Available in seven standard or optional 180 custom powder-coated finishes

### 4800 Pneumatic AutoEqualizer™



#### 4810 Shown

#### Multi-Door System:

- Ideal for multiple door applications since cost per door leaf decreases significantly as door leaves increase
- Complete unit tested to over 3 Million cycles, 10 times the industry standard!
- Integrates LCN's 10 Million Cycle Heavy Duty 4040 Door Closer
- Pneumatic door control provides quiet, efficient and very reliable operation
- Pneumatic operation allows use in hazardous areas where electrically operated devices would not be permitted
- Heavy Duty control boxes can be supplied with integral compressor for independent operation or can be plumbed into
  existing building air supply
- Available with "Blow Open" control box that is controlled by smoke evacuation system
- Hydro-pneumatic unit
- No guard rails or safety mats needed due to low-energy design
- Mounting Configurations:
- Surface mount top jamb (pull and push side)
- Door mount parallel arm
- Overhead concealed
- Available in seven standard or optional 180 custom powder-coated finishes

Best Products! Best Selection! Best Customer Service!



### **Sentinel Door Controls**



## LCN

### Low Energy Operator for Primarily Automatic Opening

To be used when the primary use of the door is for automatic opening. The door will be automatically opened most of the time and can be manually opened when needed.

#### 9540 *Senior Swing*™



#### Reliable with Power Boost:

- Power Boost Assisted closing assures secure latching regardless of drafts, wind gusts, or pressure differentials
- Complete unit tested internally to over 10 Million cycles!
- Microprocess or control box for reliability
- Push'N, Go feature for automatic requirements without the added expense of optional activation accessories
- Auto Reverse on opening cycle provides safety by reversing direction when coming into contact with a person/object
- Bottom load capability for simplified field adjustability and quicker installations
- Full-length covers available to cover entire doors or pairs of doors for an appealing appearance.
- Encased gears and controls for longer lasting protection against grime buildup and the elements
- Electromechanical unit and microprocessor controls for state of the art programmability
- No guard rails or safety mats needed due to low-energy design
- Mounting Configurations:
- Surface applied with either push or pull arm
- Overhead concealed with center hung or butt hung application arm
- Available in Aluminum or Dark Bronze, painted and clad units

#### 9140 Benchmark



#### Value Engineered:

- A durable product that combines state-of-the-art technology with affordability
- Complete unit tested to over 3 Million cycles, 10 times the industry standard!
- Microprocessor control box for reliability
- Push'N, Go feature for automatic requirements without the added expense of optional activation accessories
- Auto Reverse feature on opening cycle provides safety by reversing direction when coming into contact with a person or object
- Available On-Board Power Supply to power actuators, electric strikes and peripherals
- Full-length covers available to cover entire door opening
- Adjustable manual opening force to maximize on site adjustment requirements
- Electromechanical unit
- No guard rails or safety mats needed due to low-energy design
- Mounting Configurations:
- Surface applied with either push or pull arm
- Available in Aluminum or Dark Bronze

Best Products! Best Selection! Best Customer Service!



### **Sentinel Door Controls**



### Low Energy Operators





5700 Series

**Norton's 5700 Series is the latest generation of power door operators.** Low energy door operators were once considered a necessity only for those with physical challenges. Today, due to the population's busy lifestyles, the convenience of "hands-free" door opening is more popular than ever. The patented design of LEO is based on ease and simplicity. LEO installs in minutes rather than hours and consists of three basic components: inverter, motor and Norton's 1601 closer body.

What separates LEO from other operators is its ability to function as a standard door closer. When the door is opened manually, there is little resistance and the drive train and motor are not engaged. The 1601 closer, not the motor, controls the closing cycle. Since the door closer does not back-drive the motor during the closing cycle, there is no loss of closer efficiency. In the event of a power outage, the door can be manually opened and will close via the door closer's spring force.

LEO is listed with UL and ANSI/BHMA A156.19 and meets the requirements of ADA and ANSI/BHMA 156.4. LEO is ideal for doctors' offices, retirement facilities, schools, churches, and any location where noise is a major concern and special features are not a requirement. LEO can be activated via wall switch, radio frequency device or motion sensor, and is available for push or pull side applications. Based on its dual functionality, ease of use and quiet operation, LEO offers the customer a unique choice!



- · Ease of installation and setup
- Simple instructions
- Application versatility and ease of adjustment
- Push or pull side mounting units available
- Operates as mechanical surface closer during close cycles, when door is opened manually or if power is turned off
- Quiet operation
- Spring force provides the feel of a normal manual door closer
- Door can be opened manually if desired
- Norton 1601/1601BF series door closer
- Adjustable Spring Power
- Backcheck Valve
- Sweep Valve & Latch Valve

- Non-Handed
- Unit Activation Options
- Wall switches
- Motion sensor
- Radio frequency device
- End-User On/Off Switch
- · Hold Open options
- 0-30 seconds (5 seconds minimum required for ADA and ANSI/BHMA A156.19)
- Obstruction Detection
- Motor stops if door is obstructed during an opening
- Door closes under manual spring force (not to exceed 15lbf)



Model 5710 - Pull Side of Door



Model 5730 - Push Side of Door

Best Products! Best Selection! Best Customer Service!



### **Sentinel Door Controls**



### Low Energy Operators





6900 Series

**Norton's 6900 PowerMatic is a "low energy" power door operator** designed to automatically open and close doors with a lower energy opening force. Unlike high energy operators that require guide rails, safety mats and sensors, low energy operators only require signage.

The PowerMatic is easy to adjust, available for push-side or pull-side mounting and offers obstruction detection during both opening and closing cycles. This operator is ideal for executive offices, retirement homes, educational and assisted living facilities, office/warehouse corridor doors, etc.

Norton's PowerMatic fully complies with ADA requirements and is ANSI/BHMA A156.19 certified. The unit functions using an A/C motor and hydraulic pump to activate a heavy-duty hydraulic door closer controlled by an Electronic Control Module (ECM) board. The PowerMatic is an excellent choice in a low energy power door operator.



#### • Ease of installation and setup

- Simple instructions
- Uses push-button settings for door open and door close positions
- · Application versatility and ease of adjustment
- Handed units
- Push- or pull-side mounting
- Interfaces with electric hardware and integrates with access control systems
- Operates as mechanical surface closer during close cycles or if power is turned off
- Critical for fire-rated doors
- Springs force provides the feel of a normal manual door closer
- Door can be opened manually if desired

- Operation startup options
- Wall switches
- Motion sensor
- Radio frequency device
- Push and Go
- · Hold Open options
- 0-30 seconds (5 seconds minimum required for ADA and ANSI A156.19)
- Choice of infinite hold open features
- Obstruction Detection
- Door closes if it hits an obstruction while opening
- Door re-opens once if it hits an obstruction while closing
- Power Operator
- When unit is activated door travels to open position
- Power Assist
- When unit is activated, pump and motor allow door to be manually opened with a force less than 5 lbs.



Model 6910/6950 - Pull Side of Door



Model 6920/6930 - Push Side of Door

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### **Sentinel Door Controls**



### **FALCON**



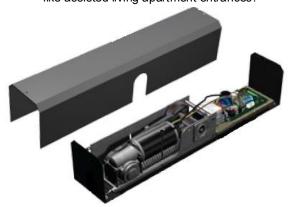
#### 8200 Series

Falcon 8200 Series Automatic Operator: Beauty, value and versatility are now automatic. When you need a smart solution to improve accessibility the new Falcon 8200 Series fits perfectly. Designed for applications like assisted living and ambulatory care, where ease of use is critical, the Falcon automatic operator provides dependable performance at an affordable price point. Everything you need is right in the box. Making installation quick and foolproof. All necessary features are built right in, so configuring the closer is simple and you can easily make more openings more accessible than ever.

Ready to go right out of the box: Everything that's needed to install the 8200 Series is packed in the box and ready to go. Because there are fewer screws and parts, installation is quicker and easier than with other automatic operators. The one-piece mounting bracket eliminates the need for end caps, further reducing installation time.

**Making automation possible for more openings:** Only the Falcon 8200 Series has been specially designed to fit in low to moderate traffic applications at an entry-level price point. This makes it easier and more affordable to configure accessible openings throughout a facility.

The Falcon 8200 Series is tough enough for ongoing use and attractive enough for use in interior spaces like assisted living apartment entrances.



#### Designed to fit perfectly

The small footprint and elegant design of the Falcon 8200 Series make it a perfect solution for a range of applications:

- Assisted Living
- Hospitality
- Retail
- Small office
- Restaurants
- Ambulatory care

#### Standard features for easy operation.

Engineered to be quick and simple to install, the Falcon automatic operator includes a host of standard features that you can use to customize every opening.



**SmartLatch** – Senses and overcomes external pressure conditions with a graduated energy assist for secure latching.



**Push 'n' Go** – Selectable feature allows door to open automatically as soon as it feels pressure.



**Open Position Learning** – Automatically sets the opening position to eliminate wall and door damage.



**Obstacle Obstruction Detection** – Safety features stops and reverses door direction when distress or an obstruction is sensed.



**Pre-Load Strike Assist** – Removes load on strike lip with one second delay allowing the door to release and automatically open.



**LED Light Illumination** – Light illumination on control box signals accurate installation and helps with connection diagnostics.



On Board Power Supply (12 VAC) – Powers the accessories without the need to install a external power supply.

#### Adjustable Feature:

- Hold-open time delay
- Backcheck speed
- Backcheck/latch position
- Opening/closing speed

Best Products! Best Selection! Best Customer Service!



### **Sentinel Door Controls**



(MOUNT BOX NOT INCLUDED)





### **4** ½" **SQUARE PUSH PLATES**

(MOUNT BOX NOT INCLUDED)













10PBS451

10PBS2GLLB

10BOXDG45C

10PBS1

10PBSE

10PBS1SB

### **DUAL "VESTIBULE" PUSH PLATES**

(MOUNT BOX NOT INCLUDED)







10PBR451

4 1/2" ROUND PUSH PLATES (MOUNT BOX NOT INCLUDED)







10PBDGP1

10BOX475SQSM

10BOX475SQFM

10PBR45 10BOX45RNDFM

#### **6" ROUND PUSH PLATES** (MOUNT BOX NOT INCLUDED)







10BOX6RNDSM

#### B STYLE PUSH PLATE (MOUNT BOX NOT INCLUDED)



10PBJ1B







**BOLLARDS** 10BOLLARD



**BLK** 





SLV BRZ

RADIO CONTROL RECEIVERS







10RD433

10RD390

10R300

### **433 MHz TRANSMITTER**







10TD390HH

**390 MHz TRANS** 



10TD390PB

10T300HH

10T300HHDBL

**300 MHz TRANSMI** 



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### **Sentinel Door Controls**



### **IMPORTANT NOTES**

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### **Sentinel Door Controls**

### **Exit Devices**



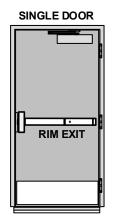
Best Products! Best Selection! Best Customer Service!

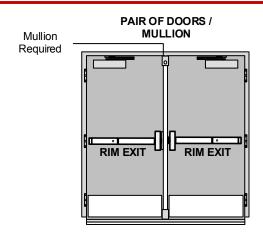




#### **ANATOMY OF EXIT DEVICES**

#### RIM EXIT DEVICE



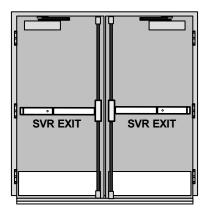


#### SURFACE VERTICAL ROD EXIT DEVICE

SINGLE DOOR

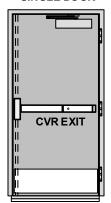




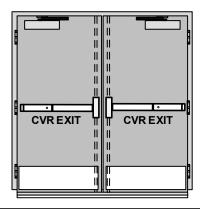


#### CONCEALED VERTICAL ROD EXIT DEVICE

SINGLE DOOR



PAIR OF DOORS



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### **Sentinel Door Controls**





### - Exit Devices



#### Narrow Stile Surface Vertical Rod Exit Device

#### Features:

- Patented top & bottom latching mechanisms, field changeable handing, interlocks door to frame
- Adjustable steel rods protected in contoured cover
- Pushbar clad or anodized, not plated, in a variety of finishes
- Easy to install, Clean & Unobtrusive Design
- Strong, durable construction for a high level of security

#### Certifications:

UL and Warnock/Hersey Life-Safety Listing ANSI/BHMA A156.3 Grade 1 California State Fire Marshall & New York City MEA

#### **Narrow Stile Mortise Exit Device**

#### Features:

- Heavy duty deadlatching, field changeable handing, mechanism
- Pushbar clad or anodized, not plated, in a variety of finishes
- Easy to install, Clean & Unobtrusive Design
- Strong, durable construction for a high level of security

#### Certifications:

UL Life-Safety Listing ANSI/BHMA A156.3 Grade 1 California State Fire Marshall & New York City MEA



### Narrow Stile Concealed Vertical Rod Exit Device

#### Features:

- Patented top & bottom latching mechanisms, field changeable handing, interlocks door to frame
- Top and bottom adjustable steel rods
- Pushbar clad or anodized, not plated, in a variety of finishes
- Easy to install, Clean & Unobtrusive Design
- Strong, durable construction for a high level of security

#### Certifications:

UL Life-Safety Listing ANSI/BHMA A156.3 Grade 1 California State Fire Marshall & New York City MEA

#### Narrow Stile Rim Exit Device



8600 Series

Exit Devices

#### Features:

- Patented "Starwheel" Bolt interlocks door to frame, non-handed
- Pushbar clad or anodized, not plated, in a variety of finishes
- Easy to install, Clean & Unobtrusive Design
- Strong, durable construction for a high level of security

#### Certifications:

8800 Series Exit Devices

UL Life-Safety Listing ANSI/BHMA A156.3 Grade 1 California State Fire Marshall & New York City MEA

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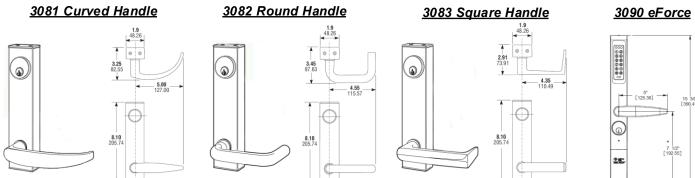
### **Sentinel Door Controls**





## - Entry Trim

#### Entry Trim for All Adams Rite Exit Devices

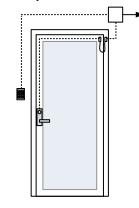




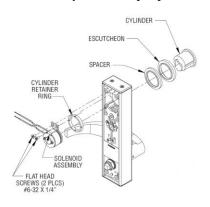


NOTE: All Lever Trims are available in the Electrified Version for Access Control & Scheduled Unlocked Applications

Simple Installation



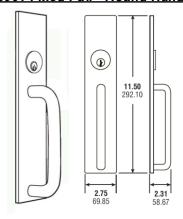
#### Standard Operation by Cylinder



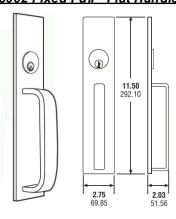
**Lever Features** 

- Grade 1 Modular Design
- Break-Away Clutch Lever
- Universal Mounting
- Fits Other Manufacturers Devices
- E Series 12 or 24 DC Cont. Duty
- Fail Safe & Fail Secure Available
- .5 @12DC & .25@24DC Power Req.
- Fits Narrow, Med & Wide Stile
- All Finishes Available
- Units w/o Cylinder Hole available
- Uses Standard Mortise Cylinder

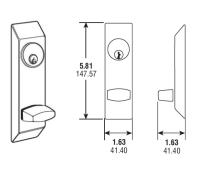
#### 3001 Fixed Pull - Round Handle



#### 3002 Fixed Pull - Flat Handle



#### 8066 Thumbturn



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### **Sentinel Door Controls**





### Exit Devices

#### ASSA ABLOY

#### **SVR & Rim Exit Devices**



## 1100/1200 Series

Exit Devices

#### Features:

- Chassis & Cover are Non-Ferrous Alloy with Metal End Caps
- Non-Handed with ¾" Stainless Steel Top/Bottom Bolts/Latchbolt
- Through-Bolts are ordered separately
- E-32", F-36" & G-48" Steel Rail Sizes Available
- Sprayed Finishes Available: AL, BRZ, LBZ & SS

#### Certifications:

• ANSI/BHMA A156.3, Grade 1 • Underwriters Laboratories (UL and CUL) listed for fire access doors, Prefix "F" before part number. • Made in the USA

#### **SVR, Rim & Mortise Exit Devices**



1700/1800/1900 Series Exit Devices

#### Features:

- Pressure Formed Non-Ferrous Alloy Chassis with Cold Drawn Brass Covers
- Handed, Stainless Steel Latchbolt (Rim) & Brass Top/Bottom Bolts (SVR) & Latchbolt (Mortise)
- Crossbar is made from Forged Brass & Stainless Steel
- Finishes Available: US3, US4, US10, US10B, US32, US32D

#### Certifications:

• ANSI/BHMA A156.3, Grade 1 • Underwriters Laboratories (UL and CUL) listed for fire access doors, Prefix "F" before part number. • Made in the USA

#### CVR, SVR Rim & Mortise Exit Devices



3000 Series Exit Devices

#### Features:

- Pressure Formed Non-Ferrous Alloy Chassis with Cold Drawn Brass Covers
- Handed, Stainless Steel Latchbolt (Rim) & Brass Top/Bottom Bolts (CVR) & Latchbolt (Mortise)
- Rail is made from roll formed Brass, Bronze or Stainless Steel
- Finishes Available: US3, US4, US10, US10B, US32, US32D

#### Certifications:

ANSI/BHMA A156.3, Grade 1, ANSI A117.1 Accessibility Code, Underwriters Laboratories (UL and CUL) listed for accident hazard (panic) standard. Rated & Non-Rated hardware for hollow metal & wood doors, UL and CUL listed for A, B and lesser rated doors.

#### CVR. Rim & Mortise Exit Devices



4000 Series Exit Devices

#### Features:

- Pressure Formed Non-Ferrous Alloy Chassis with Cold Drawn Brass Covers
- Handed, Stainless Steel Latchbolt (Rim) & Brass Top/Bottom Bolts (CVR) & Latchbolt (Mortise)
- Rail is made from foll formed Brass, Bronze or Stainless Steel
- Finishes Available: US3, US4, US10, US10B, US32, US32D

#### Certifications:

ANSI/BHMA A156.3, Grade 1, ANSI A117.1 Accessibility Code, Underwriters Laboratories (UL and CUL) listed for accident hazard (panic) standard. Rated & Non-Rated hardware for hollow metal, aluminum & wood doors, UL and CUL listed for A, B and lesser rated doors.

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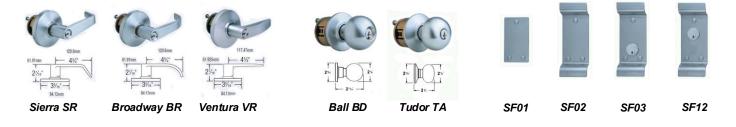
### **Sentinel Door Controls**





### - Outside Trim

#### Trim for 1150 & 1250 Series Exit Devices



### Trim for 1700, 1800, 1900, 3000 and 4000 Series Exit Devices

(Call Sentinel for Application Assistance)



#### **ANSI** - Exit Device Function Descriptions

- 01 Exit only; no outside trim.
- 02 Entry by trim when actuating bar is locked.
- 03 Entry by trim when latch-bolt retracted by key. Key removable only when trim is locked.
- 05 Entry by thumb-piece when thumb-piece locked/unlock by key.
- 05A Entry by thumb-piece; thumb-piece always operative, no outside cylinder.
- $08\,$  Entry by knob/lever; outside key locks, unlocks knob/lever.
- 08A Entry by knob/lever; outside knob/lever al ways operative. 11 - Entry by auxiliary control turn-piece key locks, unlocks control.
- 12 Entry by auxiliary control turn-piece only when released by turning key. Key removable only when locked.



SB05

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### **Sentinel Door Controls**





### Exit Devices

#### **ASSA ABLOY**

#### **CVR, SVR & Rim Exit Devices**



#### Features

Designed for applications on narrow stile full glass, aluminum and metal doors in high-use and high-abuse situations, ED4000 Series devices can be teamed with a variety of Corbin Russwin trims to provide desired functions, styles and finishes in new construction and renovations.

#### Certification/Compliance

ED4000 Series Exit Devices ANSI Meets A156.3, Type 4, Grade 1. Meets A117.1 Accessibility Code. - UL/cUL All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. UL symbol on active case cover indicates listing. - California State Reference Code This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code. - NFPA All exit devices comply with NFPA 101 Life Safety Code. - ADA Exit devices, lever trims and pulls comply with Americans with Disabilities Act.

#### CVR, SVR, Mortise & Rim Exit Devices



#### **Features**

Corbin Russwin's history is rich with architectural hardware designed to meet life safety and security requirements. That tradition continues with ED5000 Series exit devices. Designed to allow safe and easy egress, the ED5000 is ideal for frequent use applications such as schools, factories, hotels, theaters, office and retail complexes and government buildings. ED5000 series is backed by a 5-year warranty.

#### Certification/Compliance

S

ANSI Meets A156.3, Type 28, Grade 1. Meets A117.1 Accessibility Code. - UL/cUL All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. - California State Reference Code Approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code. - NFPA All exit devices comply with NFPA 101 Life Safety Code. - ADA Exit devices, lever trims and pulls comply with Americans with Disabilities Act.

### ED5000 Series Exit Devices

### CVR, SVR, Mortise & Rim Exit Devices



ED7000 Series Exit Devices

#### Features

**Features** 

Corbin Russwin's are designed for high use, high abuse applications on narrow and regular stile doors on new construction as well as renovation projects. ED7000 Series meets or exceeds all ANSI Grade 1 requirements. Standard features include heavy duty construction and base metals brass bronze & stainless for durability. Dogging Is standard on all panic listed devices. Trim is through bolted for strength & security.

#### Certification/Compliance

**ANSI** Meets A156.3, Type 28, Grade 1. Meets A117.1 Accessibility Code. - **UL** /**cUL** All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. - **NFPA** All exit devices comply with NFPA 101 Life Safety Code. - **ADA** Exit devices, lever trims and pulls comply with Americans with Disabilities Act.

#### **SVR & Rim Exit Devices**



Heavy-duty steel construction and Grade 1 performance, priced for outstanding value. Meets rigorous life safety and security requirements, while offering pleasing aesthetics and trouble-free operation. Designed for high-use, high-abuse situations, ED8000 Push-pad Exit Devices can be teamed with a variety of Corbin Russwin trims to provide desired functions, styles and finishes in new construction and renovations,

#### Certification/Compliance

**ANSI** Meets A156.3, Type 1, Grade 1. Meets A117.1 Accessibility Code. - **C-UL US** All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. UL symbol on rear cover label indicates listing. - **California State Reference Code** This product has been approved by the California State Fire Marshal (CSFM) pursuant to Section 13144.1 of the California Health and Safety Code. - **NFPA** All exit devices comply with NFPA 101 Life Safety Code. All fire-rated devices comply with NFPA 80 Fire Doors and Windows. - **ADA** Exit devices comply with Americans with Disabilities Act.

#### ED8000 Series Exit Devices

Best Products! Best Selection! Best Customer Service!



### **Sentinel Door Controls**

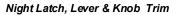


# Corbin Russwin ASSA ABLOY

### - Outside Trim

#### ED4000 Series Exit Devices - CVR, SVR, & Rim







TT (Thumb Turn), TT w/ Pull & Pull Trim



TT w/Pull, Thumbpiece w/ Pull & Pull Trim

### ED5000 Series Exit Devices - CVR, SVR, Mortise & Rim



Escutcheon Trim



Electrified Trim



Extruded Pull Trim

### ED7000 Series Exit Devices - CVR, SVR, Mortise & Rim











Mortise Trim





Rim Trim

#### ED8000 Series Exit Devices - SVR & Rim











Flat Pull (Night Latch)

Lever Trims Available in Passage, Classroom, Dummy, Night Latch & Storeroom Functions

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### **Sentinel Door Controls**





## - 8000 Series Exit Devices



#### Warranty:

5 Years - Mechanical 2 Years - Electronic integral components and accessories.

#### Powder Coated Finishes

Aluminum: 689

Bronze: 691 (Dull) or 695 (Dark Duranodic)

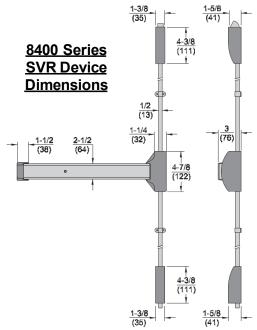
Gold: 696

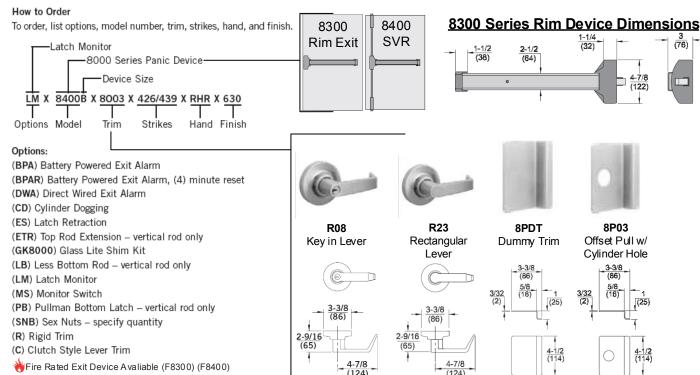
The 8000 Series touch-bar, rail assembly and integral parts are constructed of solid steel with covers and end caps developed from high-impact ABS thermoplastic. The devices are offered in an array of durable powder coated finishes and stainless steel. Devices are available for labeled and non-labeled openings. Rim, surface vertical rod, and surface vertical rod "less bottom rod," along with a full range of trim options which allow access from the secure side of an opening, make the 8000 Series the perfect choice when an economical and reliable exit device is required.

#### **Certification:**

The DORMA 8000 Series is listed by U.L. and C.U.L. under their continuing reinspection programs and conforms to standard U.L. 10C and U.B.C. 7-2 (1997) positive pressure testing. The DORMA 8000 Series is certified to the requirements of ANSI/BHMA A156.3 for grade 1 exit

Miami - Dade County Florida acceptance No. 06-0914.04 Expires: 01/03/2012





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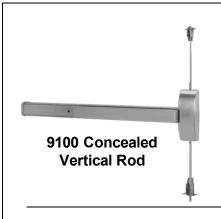


### **Sentinel Door Controls**

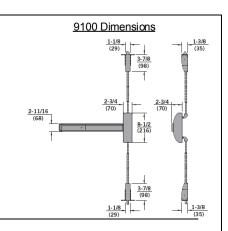




# 9000 Series Exit Devices For Wide Style Doors

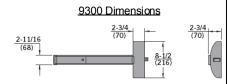


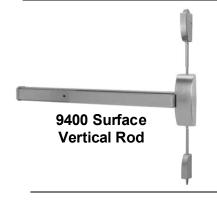
The 9100 Concealed Vertical Rod and the F9100 Series Concealed Vertical Rod Fire Exit Devices are excellent choices where barrier-free codes, aesthetics, or the potential for vandalism require concealment of the vertical rod. They are panic and fire-listed (three hour fire door applications) and feature a simplified adjustment mechanism that provides ease of installation and reduced service requirements.



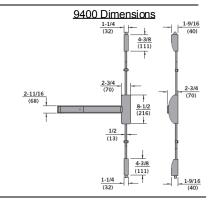


The 9300 Rim exit and F9300 present a simple, heavy-duty, easily installed solution where high quality panic and fire-listed hardware is needed. The patented exit devices in the 9300 and F9300 Series are available in a full range of finishes and trim options. The F9300 Series devices carry an "A" label for three-hour steel fire door applications.



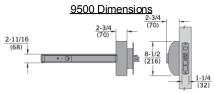


The 9400 Surface Vertical Rod and F9400 provide heavy-duty, secure, two-point latching at the top and bottom of the opening. Both the 9400 and F9400 Series feature a patented latch design for reliable, secure operation. The F9400 devices are U.L.-listed for three-hour steel fire door applications.





The 9500 Mortise Lock Exit Device and F9500 include a heavy-duty, high quality deadlocking mortise lock that provides a high level of security and exceptional durability. The F9500 Series devices are U.L.-listed for three hour fire door applications.



Certification:

#### All Exit Devices Available in Fire Rated Versions

The DORMA 9000 Series is listed by U.L. and C.U.L. under their continuing re-inspection programs and conforms to standards U.L. 10C and U.B.C. 7-2 (1997) positive pressure testing. The DORMA 9000 Series is BHMA-certified to the requirements of ANSI A156.3 for Grade 1 exit devices. Miami-Dade County Florida acceptance No. 06-912.05. Expires 01/03/2012.

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### **Sentinel Door Controls**



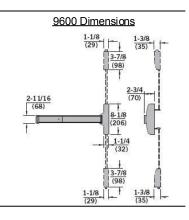


# 9000 Series Exit Devices For Narrow Style Doors

**DORMA's 9000 Series heavy-duty exit devices** provide superior durability for high impact applications such as schools, universities, and other institutional or commercial buildings. The heavy-duty cast chassis provides superior durability, while the smooth reduced projection touch-bar assembly minimizes catch hazards. The partial length touchpad permits field installation of options such as cylinder dogging and exit alarm. The 9000 Series is available in Rim, Mortise, Concealed Vertical Rod and Surface Vertical Rod models. A full complement of free wheeling lever trim is available in a wide range of architectural finishes.

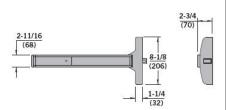


The 9600 Concealed Vertical Rod and the F9600 Series Concealed Vertical Rod Fire Exit Devices are excellent choices where barrier-free codes, aesthetics, or the potential for vandalism require concealment of the vertical rod. They are panic and fire-listed (three hour fire door applications) and feature a simplified adjustment mechanism that provides ease of installation and reduced service requirements.





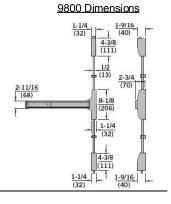
The 9700 Rim exit and F9700 present a simple, heavy-duty, easily installed solution where high quality panic and fire-listed hardware is needed. The patented exit devices in the 9700 and F9700 Series are available in a full range of finishes and trim options. The F9700 Series devices carry an "A" label for three-hour steel fire door applications.



9700 Dimensions



The 9800 Surface Vertical Rod and F9800 provide heavy-duty, secure, two-point latching at the top and bottom of the opening. Both the 9800 and F9800 Series feature a patented latch design for reliable, secure operation. The F9800 devices are U.L.-listed for three-hour steel fire door applications.



#### All Exit Devices Available in Fire Rated Versions

#### Certification:

The DORMA 9000 Series is listed by U.L. and C.U.L. under their continuing re-inspection programs and conforms to standards U.L. 10C and U.B.C. 7-2 (1997) positive pressure testing. The DORMA 9000 Series is BHMA-certified to the requirements of ANSI A156.3 for Grade 1 exit devices. Miami-Dade County Florida acceptance No. 06-912.05. Expires 01/03/2012.

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### **Sentinel Door Controls**





### 9000 Series Exit Device Trim



HRT05 Wide Raised Plate Rectangular Pull w/ Thumbpiece and Cylinder Hole



PRT02 Wide Raised Plate Rectangular Pull



YR08 Raised Escutcheon Plate Rectangular Lever w/ Cylinder Hole



**YR23** Raised Escutcheon Plate Rectangular Lever



YC08 Raised Escutcheon Plate Curved Lever w/ Cylinder Hole

#### 9000 Exit Device Trim for Narrow Stile Doors

9000 Exit Device Trim for Wide Stile Doors



**ZT08** Raised Escutcheon Plate Tubular Lever with Cylinder Hole



ZP11 Raised Escutcheon Plate Tubular Lever with Cylinder Hole



ZC02R Raised Escutcheon Plate Curved Lever (ZC02R rigid trim)



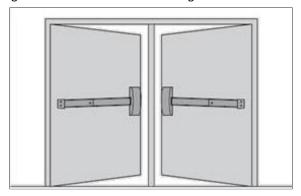
ZR02R Raised Escutcheon Plate Rectangular Lever (ZR02R rigid trim)



ZP25 Raised Escutcheon Tubular Pull with Thumb piece

#### Removable Mullions for use with Dorma 9000 Series Exit Devices

Removable mullions are used with paired doors where a full-width opening is only occasionally required. Doors are fitted with rim exit devices and normally function as single doors. Available in 8' or 10' lengths.



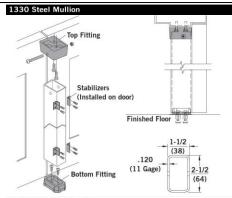
Model #'s

1310 Aluminum Mullion

1330 Steel Mullion F1300 Steel Mullion

F1340KR Key Removable Steel Mullion

HC1300 Steel HC Mullion



- · Ideal for high-abuse areas such as schools.
- · Meets demands of heaviest use areas.
- · Heavy-gauge, smooth-surface steel construction.
- · Attractive tube shape with rounded corners.
- · Supplied with wood/machine screws and anchors.

1330 - 8 - 8' mullion 1330 - 10 - 10' mullion

Finish: Prime: 600.

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### **Sentinel Door Controls**



### FALCON/DOR-O-MATIC. - Exit Devices



### For Narrow Stile Aluminum Door Applications

These new exit devices continue Dor-O-Matic's commitment to quality and long-lasting performance, with the sleek, modern touchbar design. The 1690 comes in seven popular finishes, four lengths (30″, 36″, 42″ and 48″) and features a full compliment of electrical options. Rod extension kits are also available. The 1690 panic device carries the Underwriters Laboratory (UL) label and are approved for life safety. In addition, these exit devices meet the requirements of ANSI Grade 1, 2001 revisions. The design of the 1690 is ideally suited for demanding, high-traffic applications. Since 1690 utilizes the same rods and latches as the 1990 crossbar device, existing 1990s can be replaced directly with the 1690 device - without removing the door!

The 1790 panic device carries the Underwriters Laboratory (UL) label and are approved for life safety. In addition, these exit devices meet the requirements of ANSI Grade I, 2001 revisions. The 1790 rim device is typically used in applications where maintenance is a concern. The rim device has fewer parts and pieces than current exit devices which requires less maintenance and adjustment.

#### Other features include:

- Centercase provides a clear indication of direction of egress and completely covers the existing 1990 prep. Metal end caps protect the device from damage caused by passing carts and equipment Available in US28 Clear, DC13 Dark Bronze, DC35 Black, US3, US10, US26 and US26D (centercase and endcap are powder coated black only). Vertical rods and latches are identical to the 1990 device and can work with existing panic frames.
- Electric latch retraction and request to exit/touchbar monitor switch options available. Electric Dogging Flectrified Trim



1990 Series CVR Exit Devices

### For Narrow Stile Aluminum Door Applications

The 1990's classic look and a long history of reliable performance has made the 1990 the #1 selling exit device for aluminum doors. This ANSI Grade 1 device features hardened steel latches and is compatible with stiles as narrow as 1 3/4". The 1990 device is equipped with hardened steel latches and an adjustable strike to ensure safety, security and quiet operation. It is also convertible in the field for key entry and key entry with hold-back.

#### Other Features Include:

• Concealed mounting screws • Hex dogging • Field adjustable width • U.L. Listed 305 • Available in a full range of • Field reversible (non-handed) painted and architectural finishes



2090 Series Rim Exit Devices The 2090's balanced appearance, dependable performance, and economical pricing has made it a popular choice where rim exit devices are required. Equipped with a 1/2" throw steel latchbolt, the 2090 can be mounted on stiles as narrow as 1 3/4". Removable mullions are available for pairs of doors applications. The 2090 is an ANSI Grade 1 device.

#### Other Features Include:

- •Handed. Surface mounted strikes for full frame or blade type stops Field adjustable width
- U.L. Listed 305 Available in a full range of painted and architectural finishes

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### **Sentinel Door Controls**



### FALCON/DOR-O-MATIC. - Options & Accessories

### **Electrified Options for Access Control**

EL - Electric Latch Retraction 1990/1490/1690/2390 Devices

S - Signal Switch (Request to Exit) 1990/1490/1690/2390 Devices

ED - Electric Dogging 1990/1490/1690/2390 Devices



Power Transfer

P5914-2RS



Latch Retraction Power Supply

STK70



Adjustable RM70 Mullion Mortise Strikes (Pair)

STK150



Adjustable RM150 Mullion Mortise Strikes (Pair)

STK170



Adjustable RM170 Mullion Mortise Strikes (Pair)



Mullion Brackets

RM70/RM150/RM170



TD35



Single Door Strike 1590 & 1790 Devices

SD35



Blade Stop Strike 2090 Devices

SD36



Strike for All Stops 2090 Devices

525



Mullion Stabilizer

Mullions

STK45



Strike for Inactive Leaf On Pairs of Doors 1590/1790/2090

PB48



Top Strike for CVR Devices 1990/1490/1690/2390

179L & 179NL



Lever Trim 1790 Rim Devices

179L-BE



Lever Trim 1790 Rim Devices

9970



Offset Pull

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### **Sentinel Door Controls**



### FALCON/DOR-O-MATIC. - Touchbar Exit Devices



The 1490 device is built with rugged steel operating mechanisms, and durable aluminum push bars and end caps. Electric Latch Retraction kits available. The electrified version includes a monitor switch.

The 1490 is our heaviest device and offers a clean appearance with push pad styling and a variety of practical features.

#### Features:

Handed - Not field reversible. 2 ¾" projection. Quarter turn dogging. Simplified cartridge mounting for most standard rim cylinders. Available in a full range of architectural finishes. Durable metal end caps. Rod extension kits for doors 7' to 10' available.



1590 Series Rim Exit Device

The 1590 offers the aesthetic benefit of the 1490 with the installation and maintenance ease of a rim exit device. Electric Latch Retraction kits available. The EL1590 electrified device provides convenience and security in a surface-applied exit device ideal for any type of door. A monitor switch in included.

#### Features:

Not handed.  $2\,\%$ " projection. Quarter turn dogging. Simplified cartridge mounting for most standard rim cylinders. Durable metal end caps. Available in a full range of architectural finishes.



The 2390 is a Grade 1 exit device designed for high use and abuse, and delivers a variety of performance features that ensure smooth, easy and reliable operation. Easier rod adjustment simplifies installation.

#### Features:

Sloped metal end caps. Sound dampening on the in-stroke and out-stroke. Night latch/hold back feature. Electric latch retraction available. Request-to-exit switch (touchbar monitor) available. Field-reversible handing.

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### **Sentinel Door Controls**





### - Exit Devices

### Rim & Concealed Vertical Rod Devices



1085 & 1095 Series Exit Devices

#### **FEATURES**

Jackson's 10 Series Exit Device is universally recognized as the standard for aluminum storefront hardware. This crossbar device was designed with simplicity in mind, yet it will provide many years of smooth, reliable operation. Available in both a Rim and CVR version this device is suitable for use with narrow, medium and wide stile doors. Available with Push Paddle operation on active side – Paddle engraved with "Push". Extra heavy-duty lever arms and body. Dual dogging feature. Concealed fastening for added security. Available in Dark Bronze 313, Satin Black 335, Satin Aluminum 628.

#### **CERTIFICATIONS**

UL Listed for Panic Hardware.

#### Rim & Concealed Vertical Rod Devices



1200 Series Exit Devices

#### **FEATURES**

Jackson's 1200 Series Exit Device blends the reliability of our time-proven 10 Series crossbar device with the sleek, contemporary style of today's push-pad exit device. Available as both a Rim and CVR device, the 1200 Series is designed to be both aesthetically pleasing and provide years of reliable, maintenance free operation. "Soft Touch" smooth action push pad. Easy access dogging system. Optional cylinder dogging. Available with key controlled and matching inactive outside trim. Easy to retrofit existing 10 Series CVR devices. Field sizable. Audible alarm package available. Available in Dark Bronze 313 and Satin Aluminum 628.

#### CERTIFICATIONS

UL Listed for Panic Hardware

### Rim & Concealed Vertical Rod Devices



20 Series Exit Devices

### **FEATURES**

Jackson's 20 Series Exit Device is designed to with stand the rigors of today's world yet remain aesthetically pleasing. Each part is manufactured from the highest quality materials, which are hand fitted and adjusted for a smooth, whisper quiet operation. Both Rim and CVR models are suitable for use with narrow, medium and wide stile aluminum, wood or hollow metal doors. Handed – Not reversible. Available in Dark Bronze 313, Satin Aluminum 628, Polished Chrome US26, Polished Brass US3.

#### **CERTIFICATIONS**

Certified ANSI 156.3 Grade 1. UL Listed for Panic Hardware.

3100 Series Mid-Panel Exit Devices

### **Mid-Panel Exit Device**

#### **FEATURES**

Jackson's 3100 Series Mid-Panel Exit Device is designed as a non-protruding push pad exit devices providing maximum clearance while maintaining an aesthetically pleasing look. This exit device is suitable for use with narrow, medium and wide stile doors. Handed – Non Reversible. Available with Pullman Top Latch Design. Concealed fastening for complete security. Standard hex key dogging. Dual dogging feature. Minimum pressure anywhere along push pad will activate device. Available in Dark Bronze 313 and Satin Aluminum 628 finish.

#### **CERTIFICATIONS**

UL Listed Panic Hardware.

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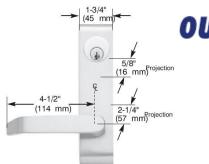


### **Sentinel Door Controls**





### Outside Trim for Exit Devices



### **OUTSIDE TRIM**



#### APPLICATIONS

- Key controlled outside trim is available for use with all Jackson Exit Devices. (Excludes 1095)
- Product is shipped for use with standard 1-3/4" (45mm) Thick Doors 2" (51mm) Door Mounting is optional.

#### **FEATURES**

- Uses standard cylinder (Supplied by Others)
   CVR Device: 1" (25mm) Mortise cylinder with MS type cam.
   Rim Devices: 1" (25mm) Mortise cylinder with MS type cam.
- Non-Handed
- . Thru-bolted with machine screws
- · Available Trim Configuration:

Lever - Flat Style

Lever - Rounded

Matching Inactive Dummy Trim

Electrified Trim (24 Volts, AC/DC)

#### MATERIALS

Escutcheon	Extruded Aluminum
Lever	Aluminum
Mechanical Components	Plated Hardened Steel

#### FINISH

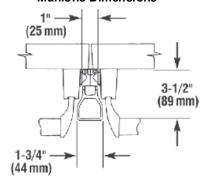
Standard Finished:

DBZ 313 - Anodized Dark Bronze US28/628 - Anodized Satin Aluminum

#### 896 Removable Mullion

The Jackson 896 Removable Mullion is an extra heavy-duty, reinforced extruded aluminum mullion for use with paired doors equipped with pullman-type rim latch exit devices. The mullion is easily removed to provide increased opening when needed.

### 996 Removable Mullions Dimensions



### FEATURES:

- · Aesthetically pleasing design
- · Supplied with paired stabilizers to inhibit door deflection
- · Supplied with installed Rim Strike package
- Standard Lengths = 196" (2438 mm)
- Standard Lengths = 120" (3048 mm)
- · Field Sizeable

### MATERIAL:

### FINISHES:

Standard Finishes: DBZ 31328- Anodized Dark Bronze Standard Finishes: US28 / 628 - Anodized Satin Aluminum



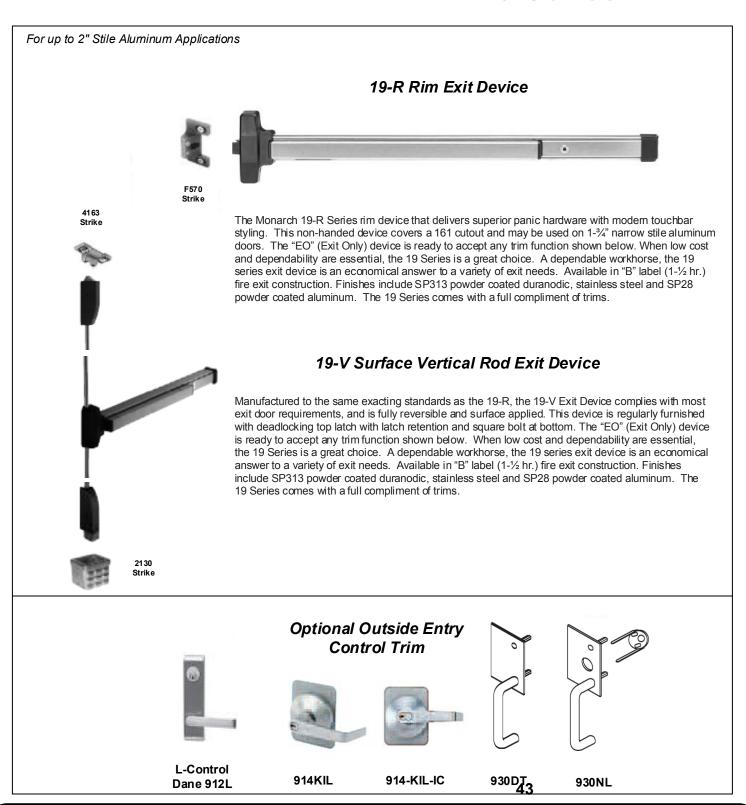
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### **Sentinel Door Controls**



### FALCON/MONARCH. - 19 Series



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### **Sentinel Door Controls**



### MONARCH 24/25/XX

### **CVR, SVR & Rim Exit Devices**



24 Series Exit Device

#### **FEATURES**

The Falcon 24 Series exit devices fill the bill with some of the toughest, most reliable performance in the business. Like the 25 Series, a host of features like fire rating or electrified options, and a full compliment of trims makes this a smart solution for your panic hardware needs. The 24 Series is a sleek streamlined narrow stile device, which means a smart solution for your building design. Non-handed. 299 strike standard. Stainless steel, 3/4" throw latchbolt. 1/2 turn hex dogging standard. Specify "CD" prefix for cylinder dogging. Doors: 1 3/4" thick, wood or metal. 2 3/4" maximum projection. Electrified Function: Can be interfaced with building systems. Latch retraction, electrified dogging, delayed egress and exit alarm available. Available in several finishes including US26D, US32D, US28 and 313AN & US10.

#### **CERTIFICATIONS**

ANSI A156.3-2001 Grade 1. UL Listed for Panic Hardware.

### CVR. SVR. Mortise & Rim Exit Devices



25 Series Exit Device

### **FEATURES**

The Falcon 25 Series exit devices fill the bill with some of the toughest, most reliable performance in the business. A host of features makes this a smart solution, like fire rating or electrified options, and a full compliment of trims. Model #299 strike is standard. Stainless steel, ¾" throw latch bolt. ½ turn hex dogging standard. Specify "CD" prefix for cylinder dogging. Doors: 1¾" thick, wood or metal. 2¾" maximum projection. Electrified Function: Can be interfaced with building systems. Latch retraction, electrified dogging, delayed egress and exit alarm available. Available in several finishes including US26D, US32D, US28 and 313AN & US10.

#### CERTIFICATIONS

ANSI A156.3-2001 Grade 1. Non-handed. UL Listed for Panic Hardware.

### **CVR. SVR & Rim Exit Devices**



XX Series Exit Device

#### **FEATURES**

For high use areas that demand high-performing products, the Monarch XX Series fills the bill with a sleek, tough and attractive exit device that delivers dependable performance. The XX Series has a traditional crossbar design that is available with an optional full range of electrified features. Field reversible. All functions built into EO (Exit Only) device. F570 adjustable strike standard. Arms made of forged brass, aluminum and investment cast stainless steel. Crossbars: 1" O.D., brass, bronze, and stainless steel. Latchbolt: Stainless steel, 3/4" throw. ½ turn hex dogging standard. Specify for "CD" option. Doors: 1 3/4" thick, wood or metal. 5" maximum projection. Electrified Function: Can be interfaced with building security systems. Lock/unlock and security monitoring available. Available in several finishes including US26D, US32D, US28 and 313AN & US10.

#### **CERTIFICATIONS**

ANSI A156.3-2001 Grade 1. UL Listed for Panic Hardware.

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### **Sentinel Door Controls**



### MONARCH 24/25/XX Series Mullions & Trim



### Removable Mullion

The 2923, 4023, KR4023 and 4423 steel mullions are for use with any Falcon/Monarch rim exit devices on double door openings. Advantage: Increased security and tighter closure. Minimizes door warping and sag. Regulates the flow of in-and-out traffic.

Removable mullions are easily removed and reinstalled for full width access.

Rim devices are used on both leaves, attainting a perfectly symmetrical opening.

The mullion assembly consists of a mullion, top and bottom mounting brackets and a screw pack. Soffit adapters are available for use with the 4023 mullion.

Strikes are not furnished with the mullion.

Mullions may be cut on the job for doors under stock lengths.

#### Mullion Features

- Mullion fittings ductile iron.
- 4023 2" x 3" height.
- KR4023 cylinder removable mullion 2" x 3" x height and uses 1¼" mortise cylinder (not furnished).
- Prime coat only.
- 7' or 8' door opening standard, other door openings as specified.



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### **Sentinel Door Controls**



### **MONARCH**. - Electrified Applications

### Electric Latch Retraction – 24 Series and 25 Series Exit Devices

The Electric Latch Retraction (ELR) feature provides control of latch retraction by guard or security system, allowing free entrance from outside or trim side of door. The EL system can be activated to hold the latch open momentarily or for extended periods of time, and can be interfaced with automatic doors, card readers, automatic fire alarm systems, etc. The EL application requires the use of the PS876-2 power supply.



EPT-10 Power Transfer



PS914-2RS Power Supply



### 24/25 Series Latch Retraction Components

#### PS873-2 Power Supply Description:

The series PS873 power supply is designed to operate a wide variety of electrical products. EL panics require 871-2 PCB minimum. The regulated output power is 24VDC @ ampere available. This power supply is capable of handling the in rush requirements of the device.

#### **Enclosure Specifications:**

10"high x 12  $\frac{1}{2}$ " wide x 5" deep, gray with a hinged cover and constructed of heavy 19-guage steel. Five  $\frac{1}{2}$ " x  $\frac{3}{4}$ " knockout holes are provided for conduit connection. Terminal block will accept up to 12-guage wire.

#### **EPT-2 Description:**

The EPT-2 has 2 conductor 18 gauge wiring designed to transfer power for the EL option as well as a relay output signal to and from the door and frame.

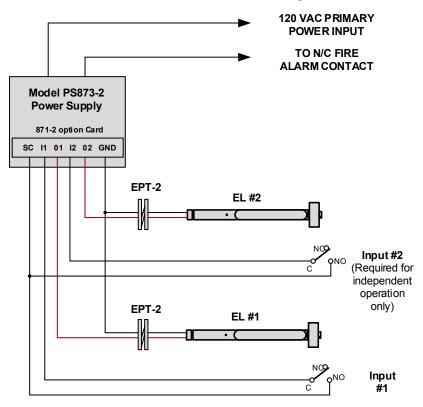
#### Exit Device - How to order:

To order EL add "EL" prefix to device designation. (Example: EL-25-R-EO)

#### System Operation:

Supplying a closed dry contact input to the PS873-2 power supply will retract latch or latches. Opening the contact returns latch or latches to locked position.

#### 2 Door Latch Retraction Wiring



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### **Sentinel Door Controls**



### **MONARCH**<sub>®</sub> - Electrified Applications

### Delayed Egress System – 24 and 25 Series Exit Devices

The delayed egress system provides control for limited egress and high security areas which require accident hazard or fire exit hardware.

### **Delayed Egress Function**

When the Delayed Egress System is armed, the mag lock(s) will remain secure against attempted override pressure and severe impacts. Ingress requires an operational trim, along with access control input (i.e. card reader, key switch, keypad). The system is required to be tied into local fire alarm system.







**DE5101** 

PS914 Power Supply

25 Series with AE switch

A complete delayed egress system requires the following components in **bold**:

**DE5101** is used in delayed exit application and is ideal for controlled areas.

- Key Switch Operator
- LED status indicator
- Alarm Horn

#### Falcon 25 Series device with AE switch

 SPDT switch that monitors the push bar on the exit device ad is used to produce a Request To Exit (REX) output.

#### **Power Supply**

- PS861 The series PS861 power supply is designed for electric locking or monitoring on single or double door applications. The output power is field selectable for either 24 VDC @ 1 amp or 12 VDC @ 2 amp. Standard input 120 VAC @ 0.6 ampere and 220 VAC @ 3.0 ampere available. The terminal block will accept up to 14 gauge stranded wire.
- PS873

### Power Transfer Hinge or Electric Power Transfer

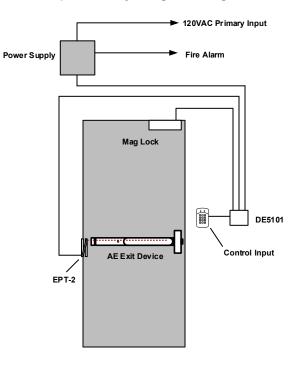
 EPT-2 – Power Transfer with 2 conductors to transfer a closed contact signal from the door to the frame when the exit device is depressed.

#### **Magnetic Locks**

How to Order:

All components above are sold separately. To order, specify each component to complete a delayed egress system for your application.

#### Popular Delayed Egress Diagram



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### **Sentinel Door Controls**





### **Sentinel** - Exit Devices & Trims



**S800ED-TBAR**Rim Exit Device

Sentinel's S800ED-TBAR is a "touch bar" style exit device and is suitable for all types of doors (aluminum, hollow metal, or wood) where there is no projection on the face. Manufactured from extruded anodized aluminum, the S800ED-TBAR is durable enough for the most demanding applications. The S800ED-TBAR can be used with any of the trims listed below. Available in Anodized Aluminum, Duranodic and Stainless Steel.

#### Certification:

Stile: 4 ¼" minimum on glass doors. Extruded anodized aluminum push bar, stainless steel springs. Stainless steel latch, ¾" throw – 5/8" dead latch. 2 ¾" backset covers 161 prep, includes latch & strike filler plates. Surface mounted for 5/8" stop with shim. Projection: 2 ½". Reversible – non-handed. Door thickness: 1 ¾" standard. Door width: 36" can be field sized to 30". ½ turn hex key dogging.



Sentinel's S800SVR-TBAR Surface Vertical Rod exit device is the perfect choice for double door applications without mullions. Reversible for right or left hand doors. They're ideal for new constructions or renovations. Our S800SVR panics can be used with any of the trims listed below. Available in Anodized Aluminum or Stainless Steel.

### Certification:

Stile: 4  $\frac{1}{4}$ " minimum on glass doors. Door Height not to exceed 7'. Extruded anodized aluminum push bar, stainless steel springs. Pullman type top latch and bottom bolt assembly. Projection: 2  $\frac{1}{2}$ ". Non-handed. Door width: 36" cab be field sized to 30".  $\frac{1}{2}$  turn hex key dogging.

#### S800 Series Exit Device Trims



S800RC Rim Cylinder



\$800-915 Pull Trim w/ Cyl Prep



S800-LS-ED Key in Lever



**S800-DBLSTAL**Double Door Strike for inactive leaf

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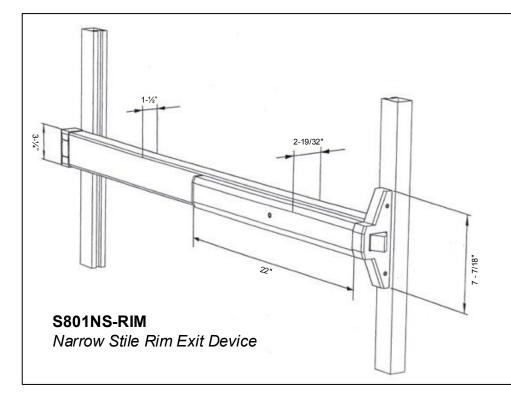


### **Sentinel Door Controls**



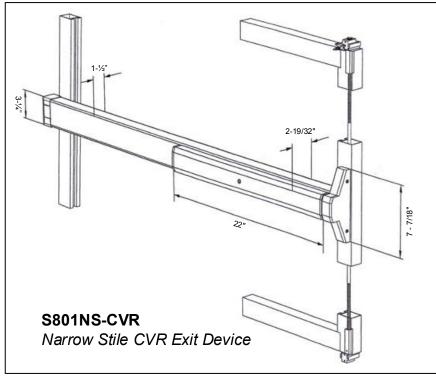


### **Sentinel** - Narrow Stile Exit Devices



#### Features:

- UL Listed Panic Hardware
- Conforms to ANSI A156.3-2001 Grade 2 (250,000 Cycles) for excellent security and durability for busy traffic conditions.
- Requires a 2" mounting surface for typical use on Narrow, Medium and Wide Stile Aluminum Doors, or for use on Hollow Metal or Wood Doors.
- Non-Handed
- Utilizes a 1" forged steel latch bolt with 5/8's throw
- Hex Key Dogging
- Available in Aluminum or Duranodic
- Includes Rim Cylinder



#### Features:

- UL Listed Panic Hardware
- Conforms to ANSI A156.3-2001 Grade 2 (250,000 Cycles) for excellent security and durability for busy traffic conditions.
- Requires a 2" mounting surface for typical use on Narrow, Medium and Wide Stile Aluminum Doors, or for use on Hollow Metal or Wood Doors.
- Handed, but field reversible
- Uses an internal rod mechanism made of hardened steel.
- Hex Key Dogging
- Available in Aluminum or Duranodic



S800-913
Optional
Cylinder
Mounting Pad
available

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### **Sentinel Door Controls**





### **Sentinel** - Narrow Stile Exit Devices



**S800EXD-RIM**Narrow Stile Rim Exit Device

Sentinel's 800 Series EXDNS Narrow Stile Exit Devices are the perfect economic solution for narrow framed glass doors. Both RIM style and Concealed Vertical Rod models are available and are suitable for narrow, medium or wide stile aluminum doors. The narrow projection permits use on doors having frames as narrow as 1 3/4", and all wider ones as well. Each model utilizes a contoured cross-bar and easy to operate dogging, and all wear points are insulated with nylon sleeves and rollers to maintain the Sentinel Standard of Excellence..

#### Certification:

Contoured anodized aluminum cross bar, stainless steel springs. Backset: 1 5/32" from edge of door to center line of device. Strike: Rim mounted roller strike with shim. Projection: 4 ¾". Stile: 1 7/8" minimum. Handing: Handed, please specify RH or LH. Door Thickness: 1 ¾" standard. Door Width: Up to 42". Accepts Rim cylinder only. Dogging: Inside – push up dog pin, rotate with screwdriver; Outside – by key cylinder. Available in Aluminum and Duranodic.



Narrow Stile CVR Exit Device

Sentinel's 800 Series EXDNS Narrow Stile Exit Devices are the perfect economic solution for narrow framed glass doors. Both RIM style and Concealed Vertical Rod models are available and are suitable for narrow, medium or wide stile aluminum doors. The narrow projection permits use on doors having frames as narrow as 1 3/4", and all wider ones as well. Each model utilizes a contoured cross-bar and easy to operate dogging, and all wear points are insulated with nylon sleeves and rollers to maintain the Sentinel Standard of Excellence..

#### Certification:

Contoured anodized aluminum cross bar, stainless steel springs. Door Height: 7' standard. Backset: Center template on narrow door stile. Strike: Top – flat mortise, Bottom – flat mortise or directly through threshold. Projection: 4 ¾". Stile: 1 7/8" minimum. Handing: Reversible, non-handed. Door Thickness: 1 ¾" standard. Door Width: Up to 42". Accepts only mortise cylinder. Dogging: Inside – push up dog pin and rotate with screwdriver; Outside – by key cylinder. Available in Aluminum and Duranodic.



S800-913
Optional
Cylinder
Mounting Pad
available

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### **Sentinel Door Controls**



### **VON DUPRIN** - 22 Series Exit Devices



22 Rim Exit Device

**22 Rim Exit Device** for all types of single and double doors with mullion, UL listed for panic exit hardware. Devices are ANSI 156.3, 2001, Grade 1. Covers stock hollow metal doors with 161\* cutouts. Fits door stiles as narrow as 3 13/16".

### Specifications:

Non-handed. Available in Aluminum SP28 and Dark Bronze SP313. Strikes: 299 Dull Black optional strikes. Hex key dogging standard. Latch Bolt: Deadlocking, 3/4" throw.



**2227 Surface Mounted Vertical Rod Exit Device** for all types of single and double doors, UL listed for Panic Exit Hardware. Devices are ANSI A156.3, 2001, Grade 1. Covers stock hollow metal doors with 86 or 161 cutouts. For door stiles as narrow as 3 5/8".

### Specifications:

Non-handed. Door Height: 7' – standard door height. Extension rods available for door heights up to 10'. Strikes: Top 299 – Dull Black. Bottom 248L – and 304L – Unfinished. Dogging: Hex key dogging standard; order LD for less dogging. Latch Bolt: Deadlocking antifriction top and bottom bolt, 5/8" throw.

22 Series Outside Trim



210DT

**Dummy Trim**Pull when Dogged

210NL



Night Latch
Key Retracts
Latchbolt

110NL-MD 110NL-WD



Night Latch Key Retracts Latchbolt Optional Pull Required 230L



Lever Key Locks & Unlocks 210K



Knob Key Locks & Unlocks



230TP

Thumb piece Key Locks & Unlocks

ADA Approved Exit Device Hardware

All Exit Devices Available in Fire Rated Versions

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### **Sentinel Door Controls**



### VON DUPRIN. - 98/99 Series Exit Devices



**98 and 99 Rim Exit Devices** for all types of single and double doors with mullion, UL listed for Panic Exit Hardware. Devices are ANSI A156.3 – 2001 Grade 1. The 98 device has a smooth mechanism case and the 99 device has a grooved case. The rim device is non-handed except when the following device options are used: SD (Special Dogging), -2 (Double Cylinder) or SS (Signal Switch). See Opposite page for available outside trim and device functions. Covers stock hollow metal doors with 86 or 161 cutouts on single doors (may cover cutouts on pairs – consult template). The 98/99 devices are available in the following finishes: US3, US4, US10, US26, US26D, US28, 313AN, 315AN and US32D for the 98 device only. See page 52 for component finishes and the inside cover for finish chips.



9875/9975 Mortise Lock Device for all types of single or double doors, UL listed for Panic Exit Hardware. Devices are ANSI A156.3 – 2001 Grade 1. Fits stock hollow metal doors with 86 cutout and door stiles as narrow as 4 3/4" (121mm). The 9875 device has a smooth mechanism case and the 9975 device has a grooved case. The mortise lock device is non-handed except when the following device options are used: -2 (Double Cylinder) or SS (Signal Switch). See Opposite page for available outside trim and device functions. The 9875/9975 devices are available in the following finishes: US3, US4, US10, US26, US26D, US28, 313AN, 315AN and US32D for the 9875 device only. See page 52 for component finishes and the inside cover for finish chips. The 7500 Mortise lock is equipped with a 3/4" (19mm) anti-friction latch bolt which is field reversible without removing the lock from the door. It has a non-handed auxiliary bolt for deadlocking and a faceplate with an adjustable bevel.



**9827/9927 Surface Mounted Vertical Rod Device** for all types of single or double doors, UL listed for Panic Exit Hardware. Devices are ANSI A156.3 – 2001 Grade 1. Covers stock hollow metal doors with 86 or 161 cutouts. The 9827 device has a smooth mechanism case and the 9927 device has a grooved case. The surface vertical rod device is non-handed except when the following device options are used: SD (Special Dogging), or SS (Signal Switch). See opposite page for available outside trim and functions. The 9827/9927 devices are available in the following finishes: US3, US4, US10, US26, US26D, US28, 313AN, 315AN and US32D for the 9827 device only. See page 52 for component finishes and the inside cover for finish chips.



**9847/9947 Concealed Vertical Rod Device** for use on single or double metal doors, UL listed for Panic Exit Hardware. Devices are ANSI A156.3 – 2001 Grade 1. The 9847 device has a smooth mechanism case and the 9947 device has a grooved case. The concealed vertical rod device is non-handed except when the following device options are used: SD (Special Dogging), or SS (Signal Switch). See Opposite page for available outside trim and device functions. The 9847/9947 devices are available in the following finishes: US3, US4, US10, US26, US26D, US28, 313AN, 315AN and US32D for the 9847 device only. See page 52 for component finishes and the inside cover for finish chips.

All Exit Devices Available in Fire Rated Versions

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### **Sentinel Door Controls**



### **VON DUPRIN** - 33/35 Series Exit Devices



33A/35A Rim Exit Devices **33A** and **35A** for all types of single and double doors with mullion, UL listed for Panic Exit Hardware. Devices are ANSI A156.3 – 2001 Grade 1. The 35A has a smooth mechanism case and the 33A has grooved case. The rim device is non-handed except when the SS (Signal Switch) option is used. See opposite page for available outside trim and device functions. 33A/35A fits door stiles as narrow as 1 3/4" (44mm). Newly designed device has a one piece center case cover. The 33A/35A devices are available in the following finishes; US3, US4, US10, US26, US26D, US28, 313AN and 315AN. See inside cover for finish chips.



3327A/3527A Surface Vertical Rod Exit Devices **3327A and 3527A** for all types of single and double doors, UL listed for Panic Exit Hardware. Devices are ANSI A156.3 – 2001 Grade 1. The 3527A has a smooth mechanism case and the 3327A has grooved case. The surface vertical rod device is non-handed except when the SS (Signal Switch) option is used. See opposite page for available outside trim and device functions. 3327A/3527A fits door stiles as narrow as 1 3/4" (44mm). Newly designed device has a one piece center case cover. The 3327A/3527A devices are available in the following finishes; US3, US4, US10, US26, US26D, US28, 313AN and 315AN. See the inside cover for finish chips.



**3347A** and **3547A** for all types of single and double doors, UL listed for Panic Exit Hardware. Devices are ANSI A156.3 – 2001 Grade 1. The 3547A has a smooth mechanism case and the 3347A has grooved case. The concealed vertical rod device is non-handed except when the SS (Signal Switch) option is used. See opposite page for available outside trim and device functions. 3347A/3547A fits door stiles as narrow as 1 3/4"(44 mm), wood door stiles as narrow as 4"(102mm). Newly designed device has a one piece center case cover. The 3347A/3547A devices are available in the following finishes; US3, US4, US10, US26, US26D, US28, 313AN and 315AN. See the inside cover for finish chips.

All Exit Devices Available in Fire Rated Versions

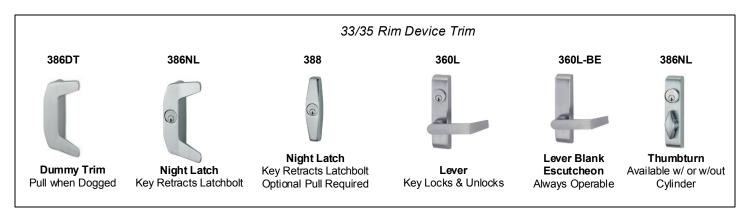
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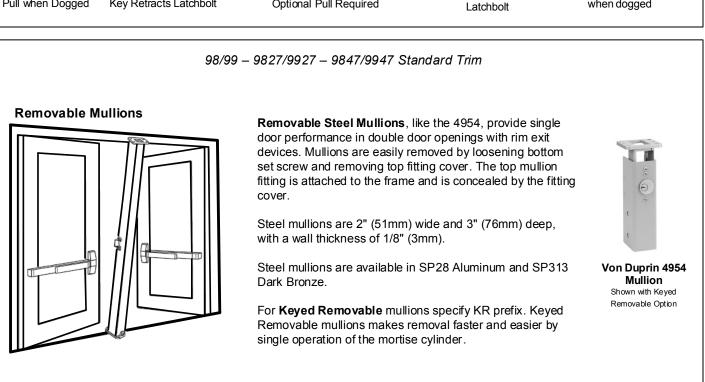
### **Sentinel Door Controls**



### VON DUPRIN. - 33/35 & 98/99 Outside Trim







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### **Sentinel Door Controls**



### **VON DUPRIN**<sub>®</sub>

### - Electrical Options

### Alarm Kit – ALK



The ALK battery alarm kit is a simple, yet effective way, to deter unauthorized use of an opening. While the exit device is still a means of egress, the ALK kit contains an internal hom. While the touch bar is depressed, the hom sounds to provide an auditble means of signaling that the opening has been violated. The alarm kit can be armed or disarmed by key. Thus allowing the device to be set in an armed or disarmed mode. The horn is rated at 85 decibel.

The Alarm kit will work with any 33/35 or 98/99 Series Exit Device.

Note: When the ALK is used, standard dogging is removed. If cylinder dogging is required there are two choices. Special center case dogging or the ALK can be moved to the hinge side of the device and standard cylinder dogging can be added.

### Latch Bolt Monitoring - LX



The LX feature is used to signal the use of an opening. This device is equipped with one internal SPDT switch which monitors the latch bolt. The device can be connected to a security console, or may be used as a single door alarm with a horn and power supply. A continuous current electric transfer must be used for transferring power from the frame to the door.

The LX switch option should not be used to control a load, but as a signaling switch (0.5 amps. resistive maximum).

The LX switch is available in low current (LC) switch. Most commonly used in computer operated monitoring systems.

Note: All switches can be either factory or field installed.

### Cylinder Dogging - CD



Cylinder dogging is available on all 98/99 Series exit devices to replace the standard hex key dogging. Unit requires a standard 1/4" mortise cylinder with a straight cam (Schlage Cam B502-191).

### Request to Exit - RX



The RX (Request to Exit) feature is used to signal the use of an opening. This device is equipped with one internal SPDT switch which monitors the pushpad.

The device can be connected to a security console, or may be used as a single door alarm when used with a hom and power supply. A continuous current electric transfer must be used for transferring power from the frame to the door.

The RX switch option should not be used to control a load, but as a signaling switch (0.5 amps. resistive maximum).

### Electric Latch Retraction - EL



The EL feature allows for the remote unlatching or exit devices. A control station operator can flip a switch to retract the latch bolt and immediately change an exit door to push-pull operation. A powerful, continuous duty solenoid retracts the latch bolt, either for the momentary unlatching, or for extended periods of time. The EL feature is an alternative to manual dooging.

EL devices are also useful with automatic door operators, and may be applied to fire-rated applications when under the control of an automatic fire alarm system.

### The Chexit



Designed for use on delayed exit applications, the Chexit system is ideal for controlled areas. All controls, auxilary locking, local alarm, and remote signalling are self-contained in the Chexit, providing safe, secure, easy to install and simple to operate door control and exit hardware. This concept in delayed exit systems combined life safety with the needs of security and meets all requirements of NFPA 101 for "special locking arrangement."

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### **Sentinel Door Controls**



### Yale - Exit Devices



The Yale 2100 Series are unmatched in the security industry. Patented mechanisms made of heavily electroplated high-grade steel and non-ferrous materials provide sturdy construction and superior protection against corrosion. High quality finishes of baked powder coatings resist rust and abrasion, with cosmetic and functional life extended to match that of the architectural finishes offered on the optional outside trim. Yale also offers an architectural-grade finish — Satin Stainless Steel (630).

#### 2100 SERIES RIM DEVICE

- Deadlocking Pullman latchbolt positively engages roller strikes
- Steel interlock maintains door-to-mullion relationship in fire-labeled devices
- Metal strike, sealed with a bonded black powder coat

#### 2110 SERIES VERTICAL ROD EXIT DEVICE

- Positive action linkage on a deadlocking top Pullman bolt
- · Simultaneous direct pull bottom deadbolt
- When unlatched, device keeps both bolts retracted until door is shut
- Steel surface-mounted top roller strike and push-in bottom strike sealed with a bonded black powder coat to reduce friction and ease operation.

#### Certification:

Certification:

The Yale 2100 Series is listed by U.L. and C.U.L. under FVSR/FVSR7 – Panic Hardware GXHX/GXHX7 Fire Exit Hardware (F) (4' x 8' single, 8' x 8' pair, 3 hour.). The Yale 2100 Series is certified to the requirements of ANSI/BHMA A156.3 for Grade 1 exit devices. BHMA Listed: Directory of Certified Products.



7100 Series Exit Devices

The 7100 is the perfect choice for wide stile panic and fire-rated applications. This reliable exit device can be purchased in a wide variety of styles from Rim to Surface and Concealed Vertical Rod Devices. Smooth architectural lines provide pleasing aesthetics to accent a building's appearance. Yale's 7000 Series exit devices meet life safety codes and fire safety requirements, allowing for local ordinances to be met and allowing peace of mind for the people inside.

# The Yale 7100 Series is listed by U.L. and C.U.L FVSR/FVSR7 – Panic Hardware GXHX/GXHX7 Fire Exit Hardware (F). The Yale 7100 Series is certified to the requirements of ANSI/BHMA A156.3 for Grade 1 exit devices and A156.24 Certified Delayed Egress Exit Device California Fire Marshal listed Panic Exit Device 4140-0257:11 and Fire Exit Device 3725-0257:112 New Your City listed MEA:477-91-E



7200 Series Exit Devices The Yale 7200 is designed as a rim exit(7200), Surface Vertical Rod (7210) or Concealed Vertical Rod (7220) device for single swing, metal or aluminum narrow stile doors, (a removable mullion is available for paired door instillation). The 7200 comes in varied finishes and can be combined with a variety of trims to match any desired style. The simple, clean lines of the wide and narrow stile devices are visually appealing and bring a gracious totality to the Yale line of locks and hardware. Yale's 7000 Series exit is designed for panic-rated doors only.

#### Certification

The Yale 7200 Series is listed by UL and c.UL as FVSR/FVSR7 – Panic Hardware. The Yale 7200 Series is certified to the requirements of ANSI/BHMA A156.3, for Grade 1 exit devices. BHMA Listed: Directory of Certified Products

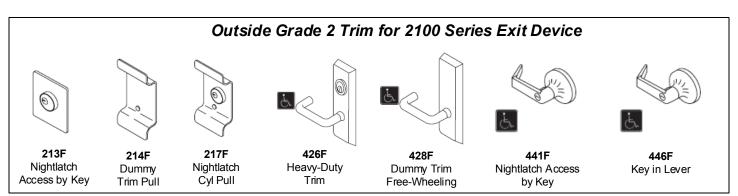
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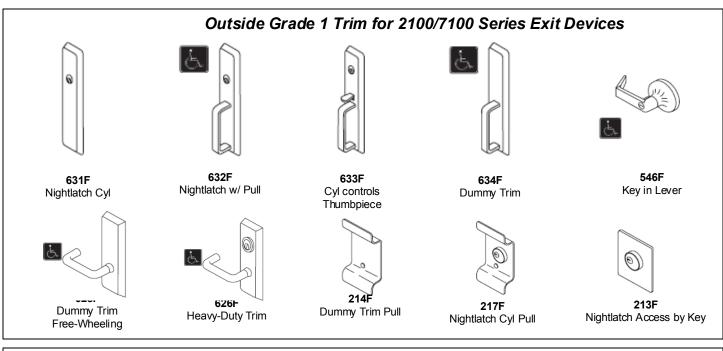


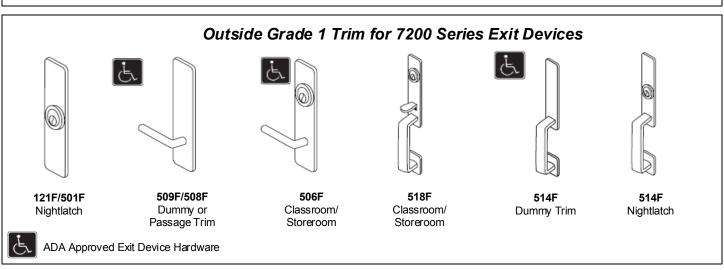
### **Sentinel Door Controls**



# Yale - Outside Trim







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### **Sentinel Door Controls**



### **IMPORTANT NOTES**

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### **Sentinel Door Controls**

### **Alarmed Devices**



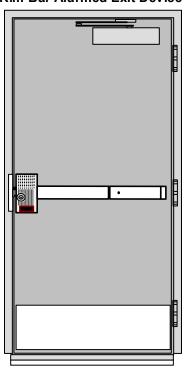
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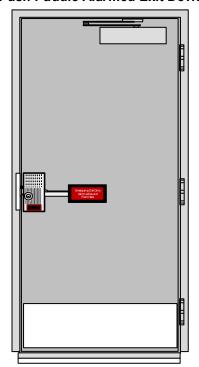


### **Anatomy of Alarmed Devices**

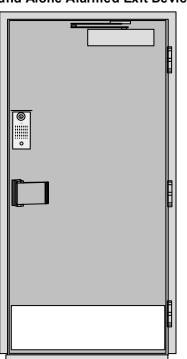
**Rim Bar Alarmed Exit Device** 



**Push Paddle Alarmed Exit Device** 



Stand Alone Alarmed Exit Device



Sentinel carries a wide variety of Alarmed Devices from industry leading companies. If you can not find the product that you are looking for please give us a call and your local Sentinel representative will be happy to help you find the part you require.

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### **Sentinel Door Controls**

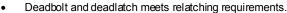




Alarm Lock

### Alarm Lock Systems 700 Series

#### SIRENLOCK™ Model 700/710

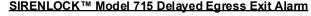


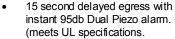
- Free retrofit cover plates conceal mounting holes from 11A and 230.
- Blaring 95db dual tone siren.
- Selectable 2-minute alarm or constant alarm.
- 9V battery powered and audible low battery warning.
- Meets or exceeds UL, CFM, ADA, NYC housing.
- 700 Models have changeable 2 minute alarm cutoff or constant alarm.
- 710 Models have changeable 2 minute auto reset or manual reset.
- Available in 33" and 48" versions.
- Non-handed surface installations on single or double doors.



#### SIRENLOCK™ Model 700X28WP Water Proof Electronic Alarmed Panic

- Suitable for outdoor use.
- Weather resistant for exposure to rain and precipitation, even in harsh conditions.
- Wide operating Temperature of -20 F to +140 degrees F (-29C to +60 degrees C.
- Powered with long-life sealed 9VDC alkaline battery pack (BP9).
- Loud 99db alarm.





Monitoring output for simultaneous use of CCTV camera, secondary siren.

- Smoke detector input can be used to power existing system or standalone smoke detector(s) (Includes armored door cord and cables for wiring).
- 9V battery back-up powers in event of power



- Deadbolt and deadlatch meets relatching requirements.
- Free retrofit cover plates conceal mounting holes from 11A and 230.
- Blaring 95db dual tone siren.
- Selectable 2-minute alarm or constant alarm.
- 9V battery powered and audible low battery warning.
- Meets or exceeds UL, CFM, ADA, NYC housing.
- 250 Models have changeable 2 minute alarm cutoff or constant alarm.
- 260 Models have changeable 2 minute auto reset or manual reset.
- Non-handed surface installations on single or double doors.

### Alarm Lock Systems 700 Series Add-ons



Rim Cylinder

Model: CER



Cylinder finger pull Model: 711



outside access door pull Model: 707



Armored door loop Model: 271



Double door holder Model: 44



**Battery** eliminator Model: PP100



Model: 730 for 700 Model 730M for 710 Model 735 for 715

Single door strike



Double door strike Model: 732 for 700 Model 732M for 710 Model 735 for 715

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### **Sentinel Door Controls**





Alarm Lock Systems PG10/11, PG21, PG30 Series

### Model PG10 & LL1 Features



#### Model PG10

The Pilfergard Model PG10 is an exit door alarm designed to deter the use of the secured door by sounding a twin action alarm when opened by unauthorized personnel. The alarm can be bypassed from inside or outside by the use of a key. (Requires standard mortise cylinder not supplied.) This durable surface mount unit is easily installed and is tamper-supervised with two separate tamper switches. Its test button verifies battery. Optional AC power supply available.



#### Model LL1

- All of the features of the PG10 unit with addition of a flashing strobe for easy alarm identification.
- Choice of system controllers



### Model PG21E, PG21MS, PG21MB & PG21MSS Features

Four "Alarm Modes" for a variety of applications

- Programmable Time Delays
- "Key Lock Tamper" (Cover cannot be removed without key)
- Two Operating Modes: "Always Armed" and "On/Off"
- Status Indicator
- Visual magnetic alignment mode, eliminates templates
- Improved sweeping siren over 95 db
- Long-life 9V batter powered (supplied); Low battery alert
- New designer look
- Two selectable arming options; Always Armed mode and Standard Arming mode
- Entry delay time options 15 second, 1 min 15 seconds & 3 min 15 seconds
- Self-contained and dual-tamper supervised
- PG21E includes additional terminal strip for multiple door monitoring and alarming
- Convenient 'No-Cut' jumpers
- MSS Model has additional yellow strobe for noisy areas



### Model PG30 & PG30KPD: Narrow Keypad Door Alarm Center



- Digital codes for Master, Management and Passage (used for Auto-Arming)
- 3 security levels for: a) High Security b) Unattended applications c) Flexible control for delivery doors, etc.
- Audible low battery warning
- 3 Programmable 95db siren styles: sweep, pulsed, and steady
- Logo Key is dual function test button
- PGKPD Accessory: For optional use with the PG30, this low-profile, brushed aluminum finished accessory provides all functions of the PG30 from the outside of the door

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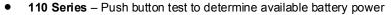
### **Sentinel Door Controls**





### Arrow 100, 300, 400 Series Alarmed Exit Devices

#### 100 Series Exit Alarm



- **130 Series** 15 second delay upon arming permits key holder to exit door without sounding alarm. Low battery alert causes unit to chirp intermittently to indicate low battery power. Red LED indicator flashes when violation occurs.
- Doors: For inward or outward swinging doors with 4" minimum stile.
- Power: 9 volt battery powered. Modern, solid state electronics. Magnet activated.
- Cylinders: Inside cylinder operation to arm or disarm unit using 1-1/8" (28.57) mortise cylinder. Outside rim cylinder standard operation. Rim cylinder not included.
- Alarm/Horn: Alarm sounds for 2 minutes, shuts off and automatically rearms itself. Piercing, high frequency horn. Rated for 90 db at 6 feet
- Hand: Non-handed device

#### 300 Series Exit Alarm

- 320 Series Auto relatching. Red LED indicator flashes when violation occurs. One chassis will accept all available trim options. Unit must be activated to test available trim options.
- 330 Series Contains same features as the 320 as well as a low battery alert feature that causes the unit to chirp intermittently to indicate low battery power,
- **Doors:** For outward swing doors 1-3/4" (44.45mm) thick with a 4" minimum stile.
- Latch: 3/4" (19.05mm) latch bolt monitored by an electronic sensor switch. Any unauthorized movement of the latch bolt will cause unit to go into alarm.
- Power: 9 volt battery powered, Modern, solid state electronics.
- Cylinders: Inside cylinder operation to arm or disarm unit using 1-1/8" (28.57) mortise cylinder. Cylinder not included.
- Alarm/Horn: Alarm sounds for 2 minutes, shuts off and automatically rearms itself. Piercing, dual frequency pulsating horns. Rated for 90 db at 6 feet
- Hand: Reversible. Units are packed RHRB.

#### 400 Series Exit Alarm

- Model F430 Fire Rated
- Model 430 Red LED indicator flashes when violation occurs. Light continues to flash beyond alarm cycle and can only be turned off by the inside key. Units set up to accept outside cylinder operation as standard. One chassis will accept all available trim options. Unit must be activated to test available battery power.
- Doors: For inward or outward swinging doors with 4" minimum stile.
- Power: 9 volt battery powered. Modern, solid state electronics. Magnet activated.
- Cylinders: Inside cylinder operation to arm or disarm unit using 1-1/8" (28.57) mortise cylinder. Outside rim cylinder operation standard. Rim cylinder not included.
- Alarm/Horn: Alarm sounds for 2 minutes, shuts off and automatically rearms itself. Piercing, high frequency horn. Rated for 90 db at 6 feet

80

Hand: Non-handed device

For information on Arrow Alarmed Exit Trim please visit www.sentineldoor.com or call your local Sentinel representative at 800.327.7848.

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### **Sentinel Door Controls**







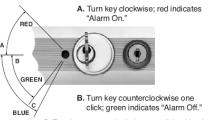
### **Alarmed Exit Devices**



### 1210A Alarmed Exit Device for Narrow Style Storefront Doors



#### KEY CONTROL OPERATION



C. Turn key counterclockwise two clicks; blue indicates "service" position for maintenance. (The alarm module with extruded cover slides out of the housing).

#### No. 10 alarm

with 1 ea. 9V alkaline battery. Audible chirp as the low battery indicator. Field select continuous horn or 3-5 minutes sound and reset. Field select intermittent beep or steady horn. Current Draw: alarm in "ON" position—3 uA. When alarm is sounding—21 ma.

#### ALARM CONTROL CYLINDER

All alarms include a mortise cylinder with Schlage C keyway, and standard Yale cam. Specify 15/16" thru 1-1/8" when alarm is to be keyed by others.

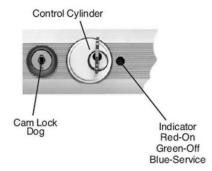
#### **BATTERY MAINTENANCE**

The battery can be easily replaced by turning the control key to the "Service" position (indicatorblue). The alarm module and extruded cover slides out of the housing exposing the battery for service. A low battery indicator is supplied with an audible chirp for all No. 10 and No. 20 alarms. Note: The housing end cap remains permanently attached to the extruded cover.

#### HORN POWER

A 110 decibel piezo horn. The horn sound is only activated by depressing the push bar when in the "Alarm On" position. The sound can be continuous or intermittent, and can be selected to have the alarm reset after 3 to 5 minutes.

#### **KEY CONTROL & FUNCTION PANEL**



Selected alarms are factory installed in the 1200 Series Rim Exit Device.

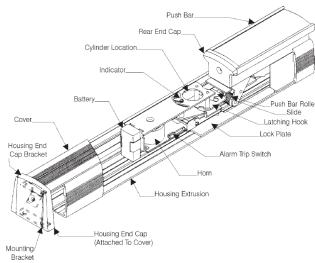
Battery and mortise alarm control cylinder included.

US Patents-4545606

#### **ALARM OPERATION**

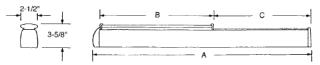
Alarm is "turned on" by rotating control cylinder to the "ON" position (indicator-red). A slight pressure on the push bar activates the alarm circuit to sound the horn. Outside entry will not sound the alarm. To exit without sounding alarm: Rotate control cylinder to the off position (indicator-green) and depress push bar to exit. To reset alarm: Rotate control cylinder to the "ON" position (indicator-red). Alarm will not sound until push bar is depressed. Outside cylinder control or time delay circuits are not required. Alarm can be reset when door is either in an opened or closed position.

The 1210A Narrow Stile Alarmed Rim Exit Device offers maximum security by providing the interlocking latch and strike with alarms will deter theft while maintaining life safety requirements. The 1210A Narrow Stile Rim Exit Devices are converted into exit alarms by inserting alarm modules into the housing track system. Alarm modules are powered by battery, remote power with battery standby, or remote power only.



#### PRODUCT DIMENSION—DOOR SIZE CHART

1200 DIMENSIONS				DOOR WIDTHS (5/8" STOP)	
Device Item No.	Dimen. A	Dimen. B	Dimen. C	Width	Dimen - C. Field Cut For Door Widths
1210-1220-1230 A-F-D	34-3/8"	18"	15"	36"	29" to 35"
L1210-L1220-L1230 A-F-D	46-3/8"	24"	21"	48"	35" to 47"



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### **Sentinel Door Controls**



### **IMPORTANT NOTES**


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### **Sentinel Door Controls**

### **Locksets**

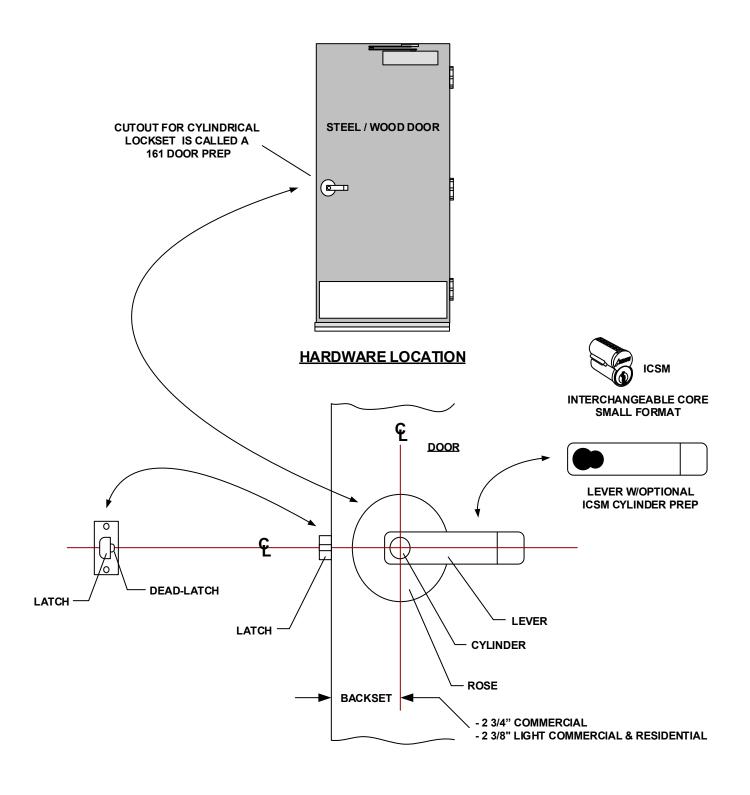


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### **Anatomy for Cylindrical Locks**



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### **Sentinel Door Controls**









# Q Series GRADE 1



exceed the requirements of ANSI/BHMA A156.2, Series 4000, Grade 1.

- Federal Specification FF-H-106C
- ANSI A117.1 Accessibility Code
- California State Reference Code for levers returning to within 1/2" (12.7mm) of door surface

**Lock Chassis:** Cold rolled steel, with zinc dichromated finish for rust resistance. Latch retractor is precision cast steel. Extra long bearing sleeve offers added support for interlocking tubes and provides for extra lever rigidity. Requires standard 2-1/8" (53.97mm) bore through door.

All Arrow Q Series locks are U.L. and c.U.L. listed for use on 3 hour. A label or lesser doors and are certified to conform to and

Thru-Bolts: Patented flexible adaptor, an eight sided nickel steel alloy mechanism allows for universal thru-bolt location according to door preparation. The flexible mounting is accomplished without manually removing screw posts from rose insert. The flexible adaptor also engages directly with springs, which will virtually eliminate lever sag. OverDrive™: Freewheeling lever action occurs when latch retraction mechanism disengages from lever handle when handle is locked. Built-in stops in the rose insert prevent lever from traveling beyond approximately 57 degrees. Additional 40% spring power in rose insert on OverDrive™ side of door ensures that lever handle returns to horizontal position. (Optional)

Backset: 2-3/4" (69.85mm) standard. 3-3/4" (95.25mm) and 5" (127mm) available.

Door Thickness: 1-3/4" (44.45mm) to 2" (50.80mm) standard.

Finish: US3,US4,US10,US10B,US26,US26D.

Warranty - 3 Years



OverDrive™ will allow a locked lever to rotate freely without retracting the latch, improving the life and performance of Arrow locksets.

### Lock Functions & Model Numbers



Q01 Passage Set



Q02 Privacy Set



Q03 Comm Set



Q11 Entry/Office Set



Q12 Storeroom Set



Q17 Classroom Set



**Dummy Trim** 



# W Series GRADE 1

All Arrow W Series locks are U.L. and c.U.L. listed for use on 3 hour, A label or lesser doors and are certified to conform to the requirements of ANSI/BHMA A156.2, Series 4000, Grade 1.

- Federal Specification FF-H-106C
- ANSI A117.1 Accessibility Code
- California State Reference Code for levers returning to within 1/2" (12.7mm) of door surface

**Lock Chassis:** Cold rolled steel with zinc dichromate finish for corrosion resistance. Latch retractor is precision zinc die cast. Requires standard 2-1/8" (53.97 mm) bore through door.

OverDrive™: Freewheeling lever action occurs when latch retraction mechanism disengages from lever handle when handle is locked. Built-in stops in the rose insert prevent lever from traveling beyond approximately 57 degrees. Additional 40% spring power in rose insert on OverDrive™ side of door ensures that lever handle returns to horizontal position. (Optional)

**Backset:** 2-3/4" (69.85 mm) backset standard, 3-3/4" (95.25 mm) available. Also available with 5" (127 mm) backset when used in conjunction with H series latch.

**Door Thickness:** 1-3/4" (44.45 mm) standard. **Finish:** US3, US4, US10, US10B, US26, US26D.

Warranty - 3 Years



OverDrive<sup>IV</sup> will allow a locked lever to rotate freely without retracting the latch, improving the life and performance of Arrow locksets.

### Lock Functions & Model Numbers



W01 Passage Set



W02 Privacy Set



W03 Comm Set



W11 Entry/Office Set



W12 Storeroom Set



VV17 Classroom Set



W08 Dummy Trim

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### **Sentinel Door Controls**







RL Series
GRADE 2

The RL Series has been enhanced to offer removable throughbolts and a wide variety of designs, finishes and functions. The RL Series cylindrical locksets are an economical value for a variety of application. Perfect for multi-family housing markets, as well as light commercial applications.

The RL Series cylindrical locksets are an economical value for a variety of application. Perfect for multi-family housing markets, as well as light commercial applications. This product is now available in either standard or IC core versions and both are supplied with removable thru-bolts.\*

**Certification:** The RL Series has been designed to meet the requirements of ANSI, A156.2, Series 4000, Grade 2 UL Listed for use on 3 hour, A label single swinging doors. RL Levers conform to ADA requirements. **Construction:** Cold rolled steel with zinc dichromate finish for corrosion resistance Requires standard 1-1/8" (53.97mm) bore through door.

**Backset:** 2-3/8" (60.31mm) or 2-3/4" (69.85mm)

**Door Thickness:** Fits 1-3/8" (34.93mm) to 1-3/4" (44.45mm) doors standard.

Finishes - US3, US4\*, US10\*, US10B\*, US26\* and US26D

Warranty - 5 Years

### Lock Functions & Model Numbers



RL01 Passage Set



RL02 Privacy Set



RL03 Comm Set



RL11 Entry/Office Set



RL12 Storeroom Set



RL17 Classroom Set



RL08 Dummy Trim



ML Series
GRADE 2

All Arrow ML Series locks are U.L. and c.U.L. listed for use on 3 hour, A label or lesser doors and are certified to conform to the requirements of ANSI/BHMA A156.2, Series 4000, Grade 2.

- Federal Specification FF-H-106C
- ANSI A117.1 Accessibility Code
- California State Reference Code for levers returning to within 1/2" (12.7mm) of door surface.

**Lock Chassis:** Cold rolled steel with zinc dichromate finish for corrosion resistance. Latch retractor is precision cast steel. Requires standard 2-1/8" (53.97 mm) bore through door.

OverDrive™: Freewheeling lever action occurs when latch retraction mechanism disengages from lever handle when handle is locked. Built-in stops in the rose insert prevent lever from traveling beyond approximately 57 degrees. Additional 40% spring power in rose insert on OverDrive™ side of door ensures that lever handle returns to horizontal position.

**Backset:** 2-3/4" (69.85 mm) backset standard, 3-3/4" (95.25 mm) available. Also available with 5" (127 mm) backset when used in conjunction with H Series latch.

Door Thickness: 1-3/8" (34.92 mm) to 1-3/4" (44.45 mm) standard.

Finish: US3, US4, US10, US10B, US26, US26D.

Warranty - 3 Years Limited



OverDrive™ will allow a locked lever to rotate freely without retracting the latch, improving the life and performance of Arrow locksets.

### Lock Functions & Model Numbers



ML01 Passage Set



ML02 Privacy Set



ML03 Comm Set



ML11 Entry/Office Set



ML12 Storeroom Set



ML17 Classroom Set



ML08 Dummy Trim

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### **Sentinel Door Controls**







L Series
GRADE 2



to rotate freely without retracting the latch, improving the life and performance of Arrow locksets. All Arrow L Series locks are U.L. and c.U.L. listed for use on 3 hour, A label or lesser doors and are certified to conform to the requirements of ANSI/BHMA A156.2, Series 4000, Grade 2.

- Federal Specification FF-H-106C
- ANSI A117.1 Accessibility Code
- California State Reference Code for levers returning to within 1/2" (12.7mm) of door surface

**Lock Chassis:** Cold rolled steel with zinc dichromate finish for corrosion resistance. Requires standard 2-1/8" (53.97 mm) bore through door.

OverDrive™: Freewheeling lever action occurs when latch retraction mechanism disengages from lever handle when handle is locked. Built-in stops in the rose insert prevent lever from traveling beyond approximately 57 degrees. Additional 40% spring power in rose insert on OverDrive™ side of door ensures that lever handle returns to horizontal position.

**Backset:** 2-3/4" (69.85 mm) backset standard; 2-3/8" (60.32 mm) available.

**Door Thickness:** 1-3/8" (34.92 mm) to 1-3/4" (44.45 mm) standard.

**Latch:** Brass or bronze with 1/2" (12.7 mm) throw. Latch housing is steel, zinc dichromate finish for corrosion resistance.

Handing: Non handed.

Cylinder, Standard: Solid brass, 6 pin cylinder with Arrow "A" keyway standard; pinned 5 for stock.

Finish: US3, US4, US10, US10B, US26, US26D.

Warranty - 1 Year Limited

### Lock Functions & Model Numbers



L01 Passage Set



L02 Privacy Set



L03 Comm Set



L11 Entry/Office Set



L12 Storeroom Set



L17 Classroom Set



LU8
Dummy Trim



The return of the Comet brings with it the exceptional value and quality required to meet the demands of the single and multi-family housing markets, as well as light commercial applications. Combining a variety of knob and lever designs, convenient installation and the Arrow benchmark for dependability, the C Series is perfect in most any space.

# C Series GRADE 2

 $\textbf{Certification:} \ \ \text{The C Series has been designed to meet the requirements of ANSI, A156.2, Series 4000, Grade 2.}$ 

Construction: Tubular chassis

Backset: Universal latch is standard. Adjustable for both 2-3/8" (60mm) or 2-3/4" (70mm).

**Latch:** Brass front. Supplied standard with 1" x 2-1/4" (25mm x 57mm) square comer, 1" x 2-1/4" radius corner and 1-1/8" x 2-1/4" (29mm x 57mm) square comer latch fronts. Available with drive-in latches.

**Strike:** 1-5/8" x 2-1/4" (41mm x 57mm) full lip strike standard. Available with 1-1/8" x 2-3/4" (29mm x 70mm)

"T" strike, or 1-1/4" x 4-7/8" (32mm x 124mm) ANSI strike.

**Door Thickness:** Fits 1-3/8" to 1-3/4" (35mm-44mm) doors standard.

Finish: US3, US5A, US26, US26D

Warranty - 5 Years

### Lock Functions & Model Numbers



C01 Passage Set



C02 Privacy Set



C04 Patio Set



Entry/Office Set



C12 Storeroom Set



C08 Dummy Trim

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**Sentinel Door Controls** 







CL3300 Series
GRADE 1

The CL3300 series is a Grade 1 cylindrical lockset manufactured with the highest quality materials to ensure strength, durability and quiet operation. Available in all standard architectural finishes and three lever designs, the CL3300 series subtly complements any high-use commercial, industrial and institutional application.

Door Thickness: 1-3/4" (44mm) - 2" (51mm) standard. Optional: 2"(51mm) - 2-1/4" (57mm)

Lock Chassis: Steel, zinc dichromated for corrosion resistance.

Backset: 2-3/4" (70mm) standard. Optional 3-3/4" (95mm) and 5" (127mm)

Certification/Compliance: ANSI - Meets A156.2 Series 4000, Grade 1. Meets A117.1 Accessibility Code. Federal - Meets FF-H-106C. California State Reference Code - (Formerly Title 19, California State Fire Marshal

Standard) All levers with returns comply; levers return to within 1/2" (13mm) of door face.

**C-UL US:** All locks with 1/2" (13mm) throw latchbolt listed for A label and lesser class 4' x 10' single doors. All locks with 3/4" (19mm) throw latchbolt listed for A label and lesser class 8' x 10' pairs of doors. Letter F and UL symbol on latch front indicate listing.

Finish: US3PVD, US4PVD, US9, US10, US10B, US26, US26D.

Warranty - 5 Year Limited

### ~\nfini-T°

Infini-T is a technologically advanced finish produced by a coating process called Physical Vapor Deposition (PVD). Infini-T provides the ultimate surface protection against the elements and everyday wear and tear.

### Lock Functions & Model Numbers



CL3310 Passage Set



CL3320 Privacy Set



CL3362 Comm Set



CL3351 Entry/Office Set



CL3357 Storeroom Set



CL3355 Classroom Set



CL3350 Dummy Trim



CL3500 Series
GRADE 1

The CL3500 series is a heavy-duty Grade 1 lever lockset, ideal for commercial, institutional and multifamily applications.

Door Thickness: 1-3/4" standard Optional: 1-3/8"

**Backset:** 2-3/4" standard. Optional: 2-3/8", 3-3/4" and 5"

Lock Chassis: Steel, zinc dichromated for corrosion resistance.

Certification/Compliance: ANSI - Meets A156.2 Series 4000, Grade 1. Meets A117.1 Accessibility Code. Federal - Meets FF-H-106C. California State Reference Code - (Formerly Title 19, California State Fire Marshal

Standard) All levers with returns comply; levers return to within 1/2" (13mm) of door face.

C-UL US: All locks with 1/2" (13mm) throw latchbolt listed for A label and lesser class 4' x 10' single doors. All locks with 3/4" (19mm) throw latchbolt listed for A label and lesser class 8' x 10' pairs of doors. Letter F and UL symbol

on latch front indicate listing.

Finish: US3, US4, US9, US10, US10B, US15, US26, US26D.

Warranty - 3 Year Limited

### Lock Functions & Model Numbers



CL3510 Passage Set



CL3520 Privacy Set



CL3582 Store Set



CL3551 Entry/Office Set



CL3557 Storeroom Set



CL3555 Classroom Set



CL3550 Dummy Trim

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**Sentinel Door Controls** 







The CL3700 series is a Grade 2 light / medium-duty cylindrical lockset which provides an outstanding combination of value and performance. It is the ideal lever lockset for light commercial and heavy-duty residential applications such as interior offices, closets, multifamily housing, restaurants and retail complexes. Available in six architectural finishes and three lever designs, the CL3700 series provides quality materials and performance.

**Door Thickness:** 1-3/8" (35mm) to 1-3/4" (44mm) **Lock Chassis:** Die-Cast zinc for corrosion resistance. **Backset:** 2-3/8" (70mm) standard Optional: 2-3/8" (60mm)

Certification/Compliance: ANSI - Meets A156.2 Series 4000, Grade 2. Meets A117.1 Accessibility Code.

California State Reference Code - (Formerly Title 19, California State Fire Marshal Standard) All levers with returns comply; levers return to within 1/2" (13mm) of door face.

C-UL US: All locks listed for B Label Single doors. UL symbol on latch front indicates listing:

Finish: US3PVD, US4PVD, US9, US10, US10B, US26, US26D.

Warranty -One-year limited.

### Lock Functions & Model Numbers



CL3710 Passage Set



CL3720 Privacy Set



CL3751 Entry/Office Set



CL3759 Storeroom Set



CL3755 Classroom Set



CL3750 Dummy Trim



The CL3800 series is an economical, Grade 2 standard duty lever lockset which provides an outstanding combination of value and performance. It's the ideal lever lockset for standard commercial applications. When used in conjunction with the CL3300 Series Extra Heavy-Duty Grade 1 and the CL3500 Series Heavy-Duty Grade 1 Cylinder Lever Locksets, the overall cost of many projects may be reduced without compromising functionality and durability.

3800 Series

Door Thickness: Standard 1-3/8" and 1-3/4" factory set for 1-3/4" doors. For 2" and 2-1/4"

doors, specify door thickness on the order.

Lock Chassis: Steel, zinc dichromated for corrosion resistance.

Backset: 2-3/4" standard Optional 2-3/8", 3-3/4" and 5"

Certification/Compliance: ANSI - Meets A156.2 Series 4000, Grade 2. Meets A117.1 Accessibility Code. Federal - Meets FF-H-106C. California State Reference Code - (Formerly Title 19, California State Fire Marshal

Standard) All levers with returns comply; levers return to within 1/2" (13mm) of door face.

UL / ULc: All locks listed for "A" label single doors. Letter "F" and UL symbol on latch front indicate listing.

Finish: US3PVD, US4PVD, US9, US10, US10B, US26, US26D.

Warranty - 7 Year Limited

### Lock Functions & Model Numbers



CL3810 Passage Set



CL3820 Privacy Set



CL3862 Comm Set



CL3851 Entry/Office Set



CL3857 Storeroom Set



CL3855 Classroom Set



CL3850 Dummy Trim

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**Sentinel Door Controls** 







**CL700 Series** 

Doma's CL700 Series Grade 2 cylindrical locksets provide exceptional securty, enhanced aesthetics, and rugged dependability. These key-in-lever locksets are built with a high performance cylindrical chassis for all applications where ANSIA156.2 Series 4000 Grade 2 products are required. To meet the aesthetic needs of your project, these versatile locks are available in a range of lever and knob trim designs – Choose between 3 lever designs.

**Door Thickness:** 1-5/8" to 1-7/8" thick without spacers or special tools **Backset:** 2-3/4" backset with 1/2" throw is the 700 Series default.

Certification/Compliance: ANSI - Meets A156.2 Series 4000, Grade 2. Meets A117.1 Accessibility Code. California State Reference Code - (Formerly Title 19, California State Fire Marshal

Standard) All levers with returns comply; levers return to within 1/2" (13mm) of door face.

C-UL US: Listed three hour fire rated. Listed for A label and lesser class single doors, 4'0" x 10'0" Maximum

**Finish:** Brass-605(Bright) or 606(Satin) Bronze-612(Satin) of 613(Dark Oxidized Satin), Chrome-625(Bright) or 626(Satin), Stainless-629(Bright) or 630(Satin)

Warranty -5 year limited.

### Lock Functions & Model Numbers



CL710 Passage Set



CL740 Privacy Set



CL725 Comm Set



CL750 Entry/Office Set



CL780 Storeroom Set



CL770 Classroom Set



CL701 Dummy Trim



CL800 Series

Dorma's CL800 Series Grade 1 heavy-duty cylindrical lock-sets provide exceptional security, enhanced aesthetics, and rugged dependability. These premium locks are built with a high performance cylindrical chassis for all applications where ANSI A156.2 Series 4000 Grade 1 products are required. To meet the aesthetic needs of your project, these versatile locks are available in a range of lever and knob trim designs – choose between 3 lever designs. Make in the U.S.A.

Door Thickness: 1-3/4" thick door

Backset: 2-3/4" backset with 1/2" throw is the 800 Series default.

Certification/Compliance: ANSI - Meets A156.2 Series 4000, Grade 1. Meets A117.1 Accessibility Code.

California State Reference Code - (Formerly Title 19, California State Fire Marshal Standard) All levers with returns comply; levers return to within 1/2" (13mm) of door face.

C-UL US: Listed three hour fire rated. Listed for A label and lesser class single doors, 4'0" x 10'0" Per Leaf

Maximum

**Finish:** Brass-605(Bright) or 606(Satin) Bronze-612(Satin) of 613(Dark Oxidized Satin), Chrome-625(Bright) or 626(Satin), Stainless-629(Bright) or 630(Satin)

Warranty -Ten (10) year limited.

### Lock Functions & Model Numbers



CL810 Passage Set



CL840 Privacy Set



CL872 Comm Set



CL850 Entry/Office Set



CL880 Storeroom Set



CL870 Classroom Set



CL801 Dummy Trim

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**Sentinel Door Controls** 



# **FALCON**



T Series
GRADE 1

The Falcon T-Series lock is extra heavy duty lock can accept any manufacturer's cylinder, and the cylinder can easily be removed for quick, easy re-keying. Redesigned with a compression spring behind the cylinder, lever sag has been virtually eliminated. This adaptable lock is well suited to either new construction or retrofit use in buildings as varied as multi-family, retail, institutional and government/military.

**Door Thickness:** 1-3/4" to 2-1/8" standard. Thin door adapter kit (A30775-000-00) available for doors thinner than 1-3/4", please specify door thickness.

Backset: 2-3/4" standard. 2-3/8" also available. Link (A22161-005-10) available for 5" backset.

**Mechanism:** Parts constructed of brass or cold formed steel, zinc plated and dichromated for rust resistance. Springs are stainless steel.

Attachment: Lock chassis secured to door by threaded mounting nuts. Completely preassembled outer trim and inner spindle assembly are through-bolted over chassis using (2) 10-32 screws. Adding rose and lever to inner spindle assembly completes installation.

**Cylinders:** Drilled with 6-pin chambers, pinned in 5. Pinning in 6 chambers available when specified, at no cost. 7-pin cylinders also available. Cylinder assemblies removable to rekey. Also available with 6 or 7-pin interchangeable core cylinders. Cylinder housings and plugs machined from solid brass. Springs are phosphor bronze. Two nickel silver keys furnished standard. IC core cylinders are also available.

**AVAILABLE FINISHES:** 605, 606, 612, 613, 625, 626

ANSI/BHMA: Meets ANSI/BHMA A156.2, Series 4000, Grade 1.

UL: 3 hour A label.

#### Lock Functions & Model Numbers



T-101 Passage Set



T-301 Privacy Set



T-511 Entry/Office Set



T-561 Classroom Set



T-581 Storeroom Set



T-12 Dummy Trim



B Series
GRADE 2

When you need a tough, reliable lock for a government/military, retail, industrial or multi-family project, you need a Falcon B-Series lock. Our full line of Grade 2 locksets are a perfect replacement for existing locks, or a smart spec in new construction. With upgraded finishes these locks deliver style as well as strength. Falcon B-Series locks feature an interchangeable core that can be removed for quick, easy re-keying, and are compatible with SFIC products from other manufacturers. Most important, they're backed by one of the best names in the business.

Door Thickness: 1-3/8" to 2" standard.

Backset: 2-3/4" standard. 2-3/8" also available.

**Mechanism:** Parts constructed of brass or cold formed steel, zinc plated and dichromated for rust resistance. Springs are stainless steel.

**Attachment:** Lock chassis secured to door by two screws which pass through a steel rose insert inside and thread directly into the outer rose mounting assembly.

**Cylinders:** Drilled with 6-pin chambers, pinned in 5. Pinning in 6 chambers available when specified, at no cost. Cylinder assemblies removable to rekey. Also available with 6 or 7-pin interchangeable core cylinders. Cylinder housings and plugs machined from solid brass. Springs are phosphor bronze. Two nickel silver keys furnished standard.

**AVAILABLE FINISHES:** 605, 606, 612, 613, 625, 626

ANSI/BHMA: Meets ANSI/BHMA A156.2, Series 4000, Grade 2.

UL: 3 hour A label.

#### Lock Functions & Model Numbers



B-101 Passage Set



B-301 Privacy Set



B-511 Entry/Office Set



B-561 Classroom Set



B-581 Storeroom Set



B-12 Dummy Trim

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**Sentinel Door Controls** 



# **FALCON**



# W Series GRADE 2

Whether your application is government/military, retail, industrial or multi-family, there's a W Series lock that fits perfectly. Our Grade 2 retrofit locksets have trim options and cylinders that give you the flexibility you need and the performance you demand. Falcon W Series locks feature an interchangeable core that can be removed for quick, easy re-keying. Our interchangeable cores are compatible with SFIC products from other manufacturers. And they're backed by one of the best names in the business.

**Door Thickness:** 1-3/8" to 1-3/4" standard. **Backset:** 2-3/4" standard. 2-3/8" also available.

Mechanism: Parts constructed of brass or cold formed steel, zinc plated and dichromated for rust resistance.

Springs are stainless steel.

Attachment: Lock chassis secured to door by two screws which pass through a steel rose insert inside and thread

directly into the outer rose mounting assembly.

**Cylinders:** Pinning in six chambers. Cylinder assemblies removable to re-key. Also available with 6- or 7-pin interchangeable core cylinders. Cylinder housings and plugs machined from solid brass.

Springs are stainless steel. Two nickel silver keys furnished standard.

**AVAILABLE FINISHES:** 605, 606, 612, 613, 625, 626

ANSI/BHMA: Meets ANSI/BHMA A156.2, Series 4000, Grade 2.

UL: 3 hour A label.

#### Lock Functions & Model Numbers



W-101 Passage Set



W-301 Privacy Set



W-511 Entry/Office Set



W-561 Classroom Set



Storeroom Set



W-12 Dummy Trim



# X Series GRADE 1

When you need a tough, reliable lock that can also withstand the corrosive conditions of a marine environment you need a Falcon X Series lock with our XC construction. The XC option provides a stainless steel and non-ferrous constructed chassis that, when paired with stainless steel trim, provides a Grade 1 lock that is resistant to corrosion when exposed to moisture and salt. This full knob line features an interchangeable core that can be removed for quick, easy re-keying. Our interchangeable cores are compatible with SFIC products from other manufacturers. And they're backed by one of the best names in the business.

Door Thickness: 1-3/8" to 1-7/8" doors. Locks for thicker doors also available.

Backset: 2-3/4" standard. 2-3/8" also available.

**Mechanism:** Parts constructed of brass or cold formed steel, zinc plated and dichromated for rust resistance. Springs are stainless steel. XC Series available with all internal parts of stainless steel or other nonferrous materials.

**Attachment:** Locks secured to door by threaded collars. Inner collar tightened by special wrench furnished with each lock. Outer rose contains locking plate to prevent unauthorized removal.

**Cylinders:** Drilled with 6-pin chambers, pinned in 5. Pinning in 6 chambers available when specified, at no cost. 7-pin cylinders available in Hana design. Cylinder assemblies removable to rekey or change hand of lock. Also available with 6 or 7-pin interchangeable core cylinders—Elite and Troy designs. Cylinder housings and plugs machined from solid brass. Springs are phosphor bronze. Two nickel silver keys furnished standard.

**AVAILABLE FINISHES:** 605, 606, 612, 613, 625, 626, 630 **ANSI/BHMA:** Meets ANSI/BHMA A156.2, Series 4000, Grade 1.

UL: 3 hour A label.

#### Lock Functions & Model Numbers



X-101 Passage Set



X-301 Privacy Set



X-511 Entry/Office Set



X-561 Classroom Set



Storeroom Set



Dummy Trim

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# **Sentinel Door Controls**







XGT Series
GRADE 1

Lockset will be XGT (Super GT) series SPIRIT from PDQ Industries, Inc. Leola, Pennsylvania, assembled in the USA, meeting the requirements of the Buy American Act with a ten year manufacturer's limited warranty, and be certified to ANSI/BHMA A156.2-1996, Series 4000, Grade 1.

Levers to be solid cast, with no plastic inserts, minimum 5-1/2" overall length with supportive spring power totally independent of chassis or latch unit. Latchbolt to be minimum 9/16" throw and requires only 41° rotation of levers for full retraction. Lockset fasteners to be concealed with through-the-door through-bolt attachment outside the 2-1/8" door prep.

#### **Specifications**

FOR DOORS: 1-3/4" to 2-1/4" thick. Factory adjusted for 1-3/4". DOOR PREP: Fits standard 161 door prep. Through-door thru-bolting.

BACKSET: 2-3/4" only. Guarded.

KEYS: Two (2) change keys per lock.

KEYWAYS: Available for all keyways of most major manufacturers

INTERCHANGEABLE CORE: Available for all keyed functions 6 or 7-pin.

FINISHES: 605 (US3), 606 (US4), 612 (US10), 613 (US10B), 625 (US26), 626 (US26D).

U.L. LISTED: Listed for "A" label (3 hour) single swing doors(4'0" x 8'0").

CERTIFICATIONS: ANSI A156.2, Series 4000, Grade 1. Meets all applicable accessibility requirements of the ADA. U. L. Listed. BHMA.

#### Lock Functions & Model Numbers



XGT115 Storeroom Set



XGT182 Entry Set



XGT120 Security Set



XGT128 Asylum Set



XGT141 Comm Set



XGT148 Classroom Set



GT Series
GRADE 1

Lockset will be GT series SPIRIT from PDQ Industries, Inc. Leola, Pennsylvania, assembled in the USA, meeting the requirements of the Buy American Act with a ten year manufacturer's limited warranty, and be certified to ANSI A156.2, Series 4000, Grade 1.

Levers to be solid cast, with no plastic inserts, minimum 5-1/2" overall length with supportive spring power totally independent of chassis or latch unit. Latchbolt to be minimum 9/16" throw and requires only 41° rotation of levers for full retraction. Lockset fasteners to be concealed with through-the-door through-bolt attachment outside the 2-1/8" door prep, exceeds 2400 in lbs. of torque resistance. The GT has been tested to more than 2 Million cycles (more than 2-1/2 times the BHMA Grade 1 requirement) with virtually no lever sag.

#### **Specifications**

FOR DOORS: 1-3/4" to 2-1/4" thick. Factory adjusted for 1-3/4". DOOR PREP: Fits standard 161 door prep. Through-door thru-bolting.

BACKSET: 2-3/4" only. Guarded

KEYS: Two (2) change keys per lock.

KEYWAYS: Available for all keyways of most major manufacturers

INTERCHANGEABLE CORE: Available for all keyed functions 6 or 7-pin.

FINISHES: 605 (US3), 606 (US4), 612 (US10), 613 (US10B), 625 (US26), 626 (US26D)

U.L. LISTED: Listed for "A" label (3 hour) single swing doors(4'0" x 8'0").

CERTIFICATIONS: ANSI A156.2, Series 4000, Grade 1. Meets all applicable accessibility requirements of the ADA. U. L. Listed. BHMA.

#### Lock Functions & Model Numbers



GT115 Storeroom Set



GT182 Entry Set



GT120 Security Set



GT128 Asylum Set



GT141 Comm Set



GT148 Classroom Set

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# **Sentinel Door Controls**







GP Series
GRADE 2

Lockset will be GT series SPIRIT from PDQ Industries, Inc. Leola, Pennsylvania, assembled in the USA, meeting the requirements of the Buy American Act with a ten year manufacturer's limited warranty, and be certified to ANSI A156.2, Series 4000, Grade 1.

Levers to be solid cast, with no plastic inserts, minimum 5-1/2" overall length with supportive spring power totally independent of chassis or latch unit. Latchbolt to be minimum 9/16" throw and requires only 41° rotation of levers for full retraction. Lockset fasteners to be concealed with through-the-door through-bolt attachment outside the 2-1/8" door prep, exceeds 2400 in lbs. of torque resistance. The GT has been tested to more than 2 Million cycles (more than 2-1/2 times the BHMA Grade 1 requirement) with virtually no lever sag.

#### **Specifications**

FOR DOORS: 1-3/4" to 2-1/4" thick. Factory adjusted for 1-3/4". DOOR PREP: Fits standard 161 door prep. Through-door thru-bolting.

BACKSET: 2-3/4" only. Guarded.

KEYS: Two (2) change keys per lock.

KEYWAYS: Available for all keyways of most major manufacturers

INTERCHANGEABLE CORE: Available for all keyed functions 6 or 7-pin.

FINISHES: 605 (US3), 606 (US4), 612 (US10), 613 (US10B), 625 (US26), 626 (US26D)

U.L. LISTED: Listed for "A" label (3 hour) single swing doors(4'0" x 8'0").

CERTIFICATIONS: ANSI A156.2, Series 4000, Grade 1. Meets all applicable accessibility

requirements of the ADA. U. L. Listed. BHMA.

#### Lock Functions & Model Numbers



GP115 Storeroom Set



GP116 Entry Set



GP120 Security Set



GP128 Asylum Set



GP141 Comm Set



GP148 Classroom Set



SA Series
GRADE 2

Lockset will be SA Series SPIRIT from PDQ Industries, Inc. Leola, Pennsylvania, is assembled in the USA, meeting the requirements of the Buy American Act with a five year manufacturer's limited warranty, and be certified to ANSI/BHMA A156.2-1996, Series 4000, Grade 2.

Levers to be 5-1/8" in overall length with supportive spring power totally independent of chassis or latch unit. Lockset to be fully adjustable for 1-3/8" to 1-3/4" doors. Positive lever stop is to be totally independent of chassis or latch mechanism. Lockset fasteners to be concealed with the through-the-door through-bolt attachment outside the 2-1/8" door prep

#### **Specifications**

FOR DOORS: 1-3/8" to 1-3/4" thick. Factory adjusted for 1-3/4". DOOR PREP: Fits standard 161 door prep. Through-door thru bolting.

BACKSET: 2-3/4",2-3/8", 5".

KEYS: Two (2) change keys per lock.

KEYWAYS: Available keyways from major manufacturers. INTERCHANGE CORE: Available for all keyed functions. 6 or 7-pin.

FINISHES: 605 (US3), 606 (US4), 612 (US10), 613 (US10B), 625 (US26), 626 (US26D).

U.L. LISTED: Listed for "A" label (3 hour) single swing doors (4'0" X 8'0").

CERTIFICATIONS: ANSI A156.2, Series 4000, Grade 2. Meets all accessibility requirements of the ADA. U.L. Listed.

#### Lock Functions & Model Numbers

SA115 Storeroom Set

SA182 Entry Set

SA120 Security Set

SA128 Asylum Set

SA141 Comm Set

SA148 Classroom Set

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# **Sentinel Door Controls**









SD Series Grade 2

Lockset will be SD series from PD Q Industries, inc., Leola Pennsylvania. Lock will feature a five-year manufacturer's limited warranty, and be U.L./U.L.C. listed and certified to ANSI/BHMA A156.2-1996, Series 4000, Grade 2. Listed by UL/ULC for ratings of "A" label (3 hours) and less, UL10C / UBC 7-2 (1997) positive pressure, for single doors up to 4'0" x 8'0". Lock shall fit type 160 or 161 door preparation. Lockset to be fully adjustable for 1-3/8" to 1-1/3" door thickness. Lock will accommodate keyways of major manufacturers. Lockset fasteners to be concealed with through-the-door through-bolt attachment, outside the 2-1/8" door preparation. Through-bolts to be removable, if desired, to use only the 2-1/8" door preparation.

#### **Specifications**

FOR DOORS: 1-3/8" to 1-3/4" thick / Preset for 1- $\frac{3}{4}$ " door.

DOOR PREP: Fits standard 161 door prep. Through-door thru-bolting.

BACKSET: 2-3/4" – 2-3/8"adjustable. KEYS: Two (2) change keys per lock.

KEYWAYS: Available keyways from major manufacturers.

INTERCHANGEABLE CORE: Available for all keyed functions 6 or 7-pin.

FINISHES: 605 (US3), 613 (US10B), 630 (US32D)

U.L. LISTED: Listed for "A" label (3 hour) single swing doors(4'0" x 8'0").

CERTIFICATIONS: ANSI A156.2, Series 4000, Grade 2. Meets all applicable accessibility.

requirements of the ADA. U. L. Listed. BHMA.

#### Lock Functions & Model Numbers



SD115 Storeroom Set



SD182 Entry Set



SD120 Security Set



SD128 Asylum Set



SD141 Comm Set



SD148 Classroom Set



SX Series Grade 1 SX Series from PDQ Industries, Inc., Leola, Pennsylvania, lock will conform to ANSI A156.2-2003 Grade 1, surpassing 800,000 cycles, with a five-year manufacturer's limited warranty. UL F Latch – UL file no. R13776, 3 hours of fire testing qualified and stainless steel powder metallurgy latch bolt inside mounting plate shall fit ANSI 161 cut-out. Lockset to be fully adjustable for 1-3/8" to 2" doors. Lock will accommodate keyways of major manufacturers.

#### **Specifications**

FOR DOORS: 1-3/8" to 2" thick

DOOR PREP: Fits standard 161 door prep. Through-door thru bolting.

BACKSET: 2-3/4",2-3/8", 5".

KEYS: Two (2) change keys per lock.

KEYWAYS: Available keyways from major manufacturers. INTERCHANGE CORE: Available for all keyed functions. 6 or 7-pin

FINISHES:630 (US32D)

U.L. LISTED: Listed for "A" label (3 hour) single swing doors (4'0" X 8'0") CERTIFICATIONS: ANSI A156.2, - 2003 Grade 1, surpassed 800,000 cycles

#### Lock Functions & Model Numbers



SX115 Storeroom Set



SX182 Entry/Office Set



SX120 Security Set



SX128 Asylum Set



SX141 Comm Set



SX148 Classroom Set

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**Sentinel Door Controls** 









4300 Series

An economical, light/medium duty Grade 2 key-in-lever lockset which provides an outstanding combination of value and performance. It's the ideal lever lockset for light commercial and heavy-duty residential applications, which typically include: Interior offices, Closets, Multi-family housing, Hotels, Restaurants, and Retail complexes.

**Door Thickness:** 1-3/8" to 1-3/4" adjustable **Backset:** 2-3/8" or 2-3/4" deadlocking latchbolt

Certification/Compliance: ANSI - Meets A156.2 Series 4000, Grade 2. Meets A117.1 Accessibility Code.

C-UL US: Listed three hour fire rated. Listed for A label and lesser class single doors, 4'0" x 10'0" Maximum

Finish: Brass-605(Bright) or 606(Satin) Bronze-612(Satin) of 613(Dark Oxidized Satin), Chrome-625(Bright) or

626(Satin)

Warranty: 5 year limited.

#### Lock Functions & Model Numbers



4301LN Passage Set



4302LN Privacy Set



4304LN Entry/Office Set



4308LN Classroom Set



4305LN Storeroom Set



355LN Dummy Trim



5300 Series

Thanks to state of the art engineering and innovative thinking, the 5300LN is truly a source of inspiration. With three lever designs and a choice of twelve different finishes, including three PVD lifetime finishes, you have the freedom and ability to match any décor. But looks aren't everything. This revolutionary Grade 2 cylindrical locksets boasts patented design features such as a vandal-resistant free wheeling lever mechanism (Patent #4,920,773) and adjustable door thickness(Patent #6,131,970) that makes installation a breeze. Though bolting gives the 5300LN a secure fit that resists shaking and rattling. And with a lifetime warranty against lever sag, you never have to worry about your pleasing aesthetics becoming a displeasing eyesore.

Door Thickness: 1-3/8" to 1-3/4" adjustable

Backset: Pre assembled for 1-3/8" (35mm) - 1-3/4"(44mm) doors. For 2" or 2-1/4" thick doors

please specify door thickness when ordering.

Certification/Compliance: ANSI - Meets A156.2 Series 4000, Grade 2. Meets A117.1 Accessibility Code.

C-UL US: Listed three hour fire rated. Listed for A label and lesser class single doors, 4'0" x 10'0" Maximum Finish: Brass-605(Bright) or 606(Satin) Bronze-612(Satin) of 613(Dark Oxidized Satin), Chrome - 625(Bright) or 626(Satin), 693 (Black)

Warranty: 5 year limited.



All 5300LN functions feature the Free Wheeling lever Mechanism. When the outside lever is locked, it will rotate freely up and down while remaining securely locked.

#### Lock Functions & Model Numbers



5301LN Passage Set



5302LN Privacy Set



5304LN Entry/Office Set



5308LN Classroom Set



5305LN Storeroom Set



355LN Dummy Trim

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# **Sentinel Door Controls**









5400 Series

Designed for industrial, commercial and institutional use, the Yale 5400LN Series heavy-duty cylindrical lockset offers no compromise when it comes to rugged reliability and performance. With key construction features such as our patentee Free Wheeling lever mechanism, wear resistant chassis plated, heavy-duty lever return springs and through-bolting, this Grade 1 trendsetter proves time and again why it's the favorite among architects and building owners who demand the highest standard of product quality.

Door Thickness: 1-3/4" to 2-1/4" thick. It can also be used on 1-3/8" thick doors by adding two

spacer plates P/N 14-5401-6644.

**Backset:** 2-3/8" or 2-3/4" deadlocking latch bolt.

Certification/Compliance: ANSI - Meets A156.2 Series 4000, Grade 1. Meets A117.1 Accessibility Code.

Windstorm Certified (refer to local codes) FEMA 320 standards.

C-UL US: Listed three hour fire rated. Listed for A label and lesser class single doors, 4'0" x 10'0" Maximum.

**Finish:** Brass-605(Bright) or 606(Satin) Bronze-612(Satin) of 613(Dark Oxidized Satin), Chrome-625(Bright) or 626(Satin).

Warranty -7 year limited.



All 5300LN functions feature the free wheeling lever mechanism. When the outside lever is locked, it will rotate freely up and down while remaining securely locked.

#### Lock Functions & Model Numbers



5401LN Passage Set

5402LN Privacy Set



5404LN Entry/Office Set



5408LN Classroom Set



5405LN Storeroom Set



455LN Dummy Trim



RL Series

Yale is pleased to present the RL Series Tubular locks. This series is designed to work with Yale Reflections levers. Engineered for ease of installation.

**Door Thickness:** 1-3/4" to 2-1/4" thick. It can also be used on 1-3/8" thick doors by adding two

spacer plates P/N 14-5401-6644.

Backset: 2-3/8" or 2-3/4" deadlocking latch bolt.

**Certification/Compliance:** *ANSI* - Meets A156.2 Series 4000, Grade 1. Meets A117.1 Accessibility Code. Windstorm Certified (refer to local codes) FEMA 320 standards.

C-UL US: Listed three hour fire rated. Listed for A label and lesser class single doors, 4'0" x 10'0" Maximum

**Finish:** Brass-605(Bright) or 606(Satin) Bronze-612(Satin) of 613(Dark Oxidized Satin), Chrome-625(Bright) or 626(Satin).

Warranty -7 year limited.



All 5300LN functions feature the free wheeling lever mechanism. When the outside lever is locked, it will rotate freely up and down while remaining securely locked.

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# **Sentinel Door Controls**













AM/BM Series

Door Thickness: 1-3/4" to 2-1/4"" standard.

Backset: 2-3/4" only.

Case: Cold formed steel, zinc dichromate plated, 0.90" thick. Optional lead wrapping available.

**Latch bolt:** Two piece brass mechanical, anti friction bolt, 3/4" projection.

**Deadbolt**: 1" Throw, brass with a 1/4"thick hardened steel, free-tuming, saw-resistant roller.

Hand: Most locks are field reversible – designate hand for strike on most functions.

Keyways: G Keyway standard on standard cylinders / Also available in keyways of other manufacturers.

Interchangeable Core: 6"A" keyway standard on I/C cylinder.

**AVAILABLE FINISHES:** 605, 606, 612, 613, 625, 629, 630. **ANSI/BHMA:** Meets ANSI/BHMA A156.13, series 1000 Grade 1.

California State Fire Marshall (CSFM) approved, California State Reference Code, 1989 (formally title 19)

**UL:** 3 hour A label. **Warranty**: 10 Year





MA Series

**Door Thickness:** 1-3/4" to 2-1/4"" standard.

Backset: 2-3/4" only.

Case: Cold formed steel, zinc dichromate plated, 0.90" thick. Optional lead wrapping available.

Latch bolt: Two piece brass mechanical, anti friction bolt, 3/4" projection.

**Deadbolt**: 1" Throw, brass with a 1/4"thick hardened steel, free-turning, saw-resistant roller.

**Hand**: Most locks are field reversible – designate hand for strike on most functions.

Keyways: G Keyway standard on standard cylinders / Also available in keyways of other manufacturers.

Interchangeable Core: 6"A" keyway standard on I/C cylinder.

**AVAILABLE FINISHES:** 605, 606, 612, 613, 625, 629, 630.

ANSI/BHMA: Meets ANSI/BHMA A156.13, series 1000 Grade 1.

California State Fire Marshall (CSFM) approved, California State Reference Code, 1989 (formally title 19).

**UL:** 3 hour A label. **Warranty**: 10 Year

**FALCON** 



ML9000 Series

**Door Thickness:** 1-3/4" to 2" standard. (2 1/4" special order – not available in all functions.

Backset: 2-3/4".

Case: 13-gage cold rolled steel mechanism / dichromated for corrosion resistance. Latch bolt: 3/4" Throw / Investment Cast Stainless Steel / Anti-friction Standard.

Deadbolt: 1" Throw / investment cast stainless steel.

**Hand**: Most locks are field reversible – designate hand for strike on most functions. **Keyways**: SCC standard / Also available in keyways of other manufacturers.

Interchangeable Core: 6 or 7 / Compatible with best, falcon and Arrow / Large Format IC Core available.

Check with factory.

**AVAILABLE FINISHES:** 605, 606, 612, 613, 625, 626, 629, 630.

ANSI/BHMA: Meets ANSI/BHMA A156.13, Grade 1.

Load Rating: 2453 lbf. (functions with deadbolts only) Americans with Disability Act (ADA).

**UL:** 3 hour A label. **Warranty**: 10 Year



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# **Sentinel Door Controls**













ML-2000 Series

Door Thickness: 1-3/4" (44mm) standard.

Backset: 2-3/4" (70mm)

Lock Case: Heavy gage chrome plated steel 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm) Latch bolt: Two piece mechanical with anti-friction insert 5/8" (16mm) x 1" (25mm) x 3/4"" (19mm)

Deadbolt: One-piece stainless steel, 19/32" (15mm) x 1-1/4" (32mm) x 1" (25mm) throw Hand: Quick reversible. The lockset can be re-handed without disassembling the lock case

Keyways: Conventional 6-pin

AVAILABLE FINISHES: 605, 606, 611, 612, 613, 625, 626, 629, 630 ANSI/BHMA: Meets ANSI/BHMA A156.13, series 1000 Grade 1.

California State Fire Marshall (CSFM) approved, California State Reference Code, 1989 (formally title

UL: All locks listed for A label and lesser class doors, 4' x 10' single or 8' x 10' pair.

Warranty: 5 Year



**ASSA ABLOY** 



8800 Series

Door Thickness: 1-3/4" standard to 3-1/4" thick doors to order whenused with standard trim.

Backset: 2-3/4" only.

Lock Case: Wrought steel, zinc dichromated

Latch bolt: 3/4" throw, stainless steel two-piece anti-friction camming action.

Deadbolt: 1" throw, stainless steel with two enclosed hardened steel roller armor pins.

Hand: Field reversible.

AVAILABLE FINISHES: 605, 606, 609, 611, 612, 613, 616, 619, 620, 625, 626, 629, 630, 693.

ANSI/BHMA: Meets ANSI/BHMA A156.13, series 1000 Grade 1.

UL: 3 hours fire rated and for use on 20 minute wood doors.

Warranty: 10 Year





**MR Series** Grade 1

Door Thickness: 1-3/4" to 2" standard. (2 1/4" special order - not available in all functions

Backset: 2-3/4"

Case: 13-gage cold rolled steel mechanism / dichromated for corrosion resistance Latchbolt: 3/4" Throw / Investment Cast Stainless Steel / Anti-friction Standard

Deadbolt: 1" Throw / investment cast stainless steel

Hand: Most locks are field reversible – designate hand for strike on most functions Keyways: SCC standard / Also available in keyways of other manufacturers

Interchangeable Core: 6 or 7 / Compatible with best, falcon and Arrow / Large Format IC Core

avaliable. Check with factory.

**AVAILABLE FINISHES: 605, 606, 612, 613, 625, 626** 

ANSI/BHMA: Meets ANSI/BHMA A156.13-2005, Series 1000, Grade 1.

Load Rating: 2453 lbf. (functions with deadbolts only) Americans with Disability Act (ADA)

UL: 3 hour A label. Warranty: Limited Lifetime



Best Products! Best Selection! Best Customer Service!



# **Sentinel Door Controls**





# Electrified Cylindrical Locks With Request-to-Exit Output

#### Application

The Z7200 Electrified Cylindrical Locksets are designed for the access control of openings in commercial, industrial and institutional facilities where code compliance, dependable operation and resistance to physical abuse is required, including:

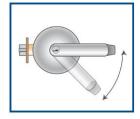
- High-Rise Offices
- Hospitals
- Universities
- Museums
- Government Centers
- **Airports**
- Factories

#### Building and Fire Life Safety Code Compliant

Z7200 electrified cylindrical locks ensure that the door stays latched even when unlocked, maintaining fire door integrity. Z7200 locksets comply with all national building and fire life safety code requirements for use on fire rated doors, including high-rise stairwell and elevator lobby doors where the use of electric strikes and magnetic locks is prohibited.

#### Security with Superior Aesthetics

Available in failsafe and failsecure modes to accommodate either security or fire life safety applications, Z7200 electrified locksets provide a superior appearance compared to exposed and vulnerable electric strikes and magnetic locks, while eliminating the need for request-to-exit devices.



Vandal Resistant Lever Handles Standard With SDC Brand Lockset

When locked, the built-in clutch permits the handles to operate without retracting the latch, reducing potential for damage due to vandalism or abuse.

- May be used in new or retrofit construction
- Building and Fire Life Safety Code Compliance
- Ideal for high usage environments.
- Retrofits existing mechanical lock prep

#### Cylinders

#### Standard Cylinders

Keyed different is standard and need not be specified

6PKA 6 Pin Cylinder, keyed alike (optional)

#### Interchangeable Core

IC6P-KD 6 pin I-Core, small format, keyed different IC6P-KA 6 pin I-Core, small format, keyed alike



Z7200 Electrified Cylindrical Lockset

#### Features & Model

All units feature Dual Voltage 12 & 24VDC, Independent power return springs for effective lever action and prevention of lever sag and a Request-to-Exit output. Turning the inside lever for egress activates the built in REX output providing a momentary signal to the access control REX input for alarm shunt during egress.

All standard locksets are supplied with a 6 pin cylinder with a Schlage "C" equivalent keyway. Keyed different, with 2 keys. See keyed alike options below.

Z7250 Failsafe - Outside locked when energized, unlocked by an access control or key from the outside and rotating the inside lever provides egress at all times.

**Z7252** Failsecure - Outside locked when de-energized. Unlocked by an access control or key from the outside and rotating the inside lever provides egress at all times.

#### Lever Trim

SDC Z7200 HiTower levers comply with ADA requirements. The heavy-duty power spring provides smooth and efficient action and the lever's clutch mechanism prevents breakage.





E Eclipse

**G** Galaxy

#### **Finish**

C 605 Bright Brass H 613 Oil Rubbed Bronze D 606 Dull Brass P 625 Bright Chrome Q 626 Dull Chrome (std.) F 611 Bright Bronze

**G** 612 Dull Bronze

#### Mechanical Specifications

Latchbolt: 0.5625" throw

Backset: 2.75"

4.875" ANSI A115.2 Strike: 1.75" to 2.12 Door Thickness:

**Exceeds ANSI A156-2 Grade 1 Specifications** 







Please call your Sentinel Sales Representative for NET Prices & Availability.

Best Products! Best Selection! Best Customer Service!



# **Sentinel Door Controls**







#### Schlage D Cylindrical Lock Electrification

#### Application

SDC Electrified Cylindrical Locksets are designed for the access control of openings in commercial, industrial and institutional facilities where code compliance, dependable operation and resistance to physical abuse is required, including:

- High-Rise Offices
- Hospitals
- Universities
- Museums
- Government Centers
- Airports
- Factories

#### **Building and Fire Life Safety Code Compliant**

Z7200 electrified cylindrical locks ensure that the door stays latched even when unlocked, maintaining fire door integrity. Z7200 locksets comply with all national building and fire life safety code requirements for use on fire rated doors, including high-rise stairwell and elevator lobby doors where the use of electric strikes and magnetic locks is prohibited.

#### Security with Superior Aesthetics

Available in failsafe and failsecure modes to accommodate either security or fire life safety applications, Z7200 electrified locksets provide a superior appearance compared to exposed and vulnerable electric strikes and magnetic locks, while eliminating the need for request-to-exit devices.



Vandal Resistant Lever Handles Standard With SDC Brand Lockset When locked, the built-in clutch permits the handles to operate without retracting the latch, reducing potential for damage.

#### Benefits

- May be used in new or retrofit construction
- Building and Fire Life Safety Code Compliance
- Ideal for high usage environments.
- Retrofits existing mechanical lock prep

#### Cylinders

#### Standard Cylinders

Keyed different is standard and need not be specified

6PKA 6 Pin Cylinder, keyed alike (optional)

#### Interchangeable Core

IC6P-KD 6 pin I-Core, small format, keyed different IC6P-KA 6 pin I-Core, small format, keyed alike









#### Model

All units feature Dual Voltage 12 & 24VDC, Independent power return springs for effective lever action and prevention of lever sag. Requestto-Exit output is optional. Turning the inside lever for egress activates the built in REX output providing a momentary signal to the access control REX input for alarm shunt during egress.

All standard locksets are supplied with a 6 pin cylinder with a Schlage "C" equivalent keyway. Keyed different, with 2 keys.

#### Distributor supplies Schlage D-Lock to SDC factory for Electrification

\$7250 Failsafe - Outside locked when energized, unlocked by an access control or key from the outside and rotating the inside lever provides egress

\$7252 Failsecure - Outside locked when de-energized. Unlocked by an access control or key from the outside and rotating the inside lever provides egress at all times.

#### SDC Factory Supplied Electrified Schlage D Lockset

ZS7250 Failsafe - Outside locked when energized, unlocked by an access control or key from the outside and rotating the inside lever provides egress

ZS7252 Failsecure - Outside locked when de-energized. Unlocked by an access control or key from the outside and rotating the inside lever provides egress at all times.

SDC Z7200 HiTower<sup>™</sup> levers comply with ADA requirements. The heavy-duty power spring provides smooth and efficient action and the lever's clutch mechanism prevents breakage.

#### Lever Trim





**SPA** Sparta

**RHO** Rhodes

#### **Finish**

C 605 Bright Brass H 613 Oil Rubbed Bronze D 606 Dull Brass P 625 Bright Chrome Q 626 Dull Chrome (std.) G 612 Dull Bronze

#### Mechanical Specifications

Latchbolt: 0.5625" throw

Backset: 2.75"

Strike: 4.875" ANSI A115.2 Door Thickness: 1.75" to 2.12

**Exceeds ANSI A156-2 Grade 1 Specifications** 

Please call your Sentinel Sales Representative for NET Prices & Availability.

Best Products! Best Selection! Best Customer Service!



# **Sentinel Door Controls**







#### Schlage D Cylindrical Lock Electrification

#### Application

SDC Electrified Cylindrical Locksets are designed for the access control of openings in commercial, industrial and institutional facilities where code compliance, dependable operation and resistance to physical abuse is required, including:

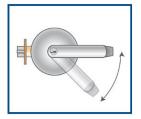
- High-Rise Offices
- Hospitals
- Universities
- Government Centers
- Airports
- Factories
- Museums

#### **Building and Fire Life Safety Code Compliant**

Z7200 electrified cylindrical locks ensure that the door stays latched even when unlocked, maintaining fire door integrity. Z7200 locksets comply with all national building and fire life safety code requirements for use on fire rated doors, including high-rise stairwell and elevator lobby doors where the use of electric strikes and magnetic locks is prohibited.

#### Security with Superior Aesthetics

Available in failsafe and failsecure modes to accommodate either security or fire life safety applications, Z7200 electrified locksets provide a superior appearance compared to exposed and vulnerable electric strikes and magnetic locks, while eliminating the need for request-to-exit devices.



Vandal Resistant Lever Handles Standard With SDC Brand Lockset When locked, the built-in clutch permits the handles to operate without retracting the latch, reducing potential for damage.

#### Benefits

- May be used in new or retrofit construction
- Building and Fire Life Safety Code Compliance
- Ideal for high usage environments
- Retrofits existing mechanical lock prep

#### Cylinders

#### Standard Cylinders

Keyed different is standard and need not be specified

6PKA 6 Pin Cylinder, keyed alike (optional)

#### Interchangeable Core

IC6P-KD 6 pin I-Core, small format, keyed different IC6P-KA 6 pin I-Core, small format, keyed alike









#### Model

All units feature Dual Voltage 12 & 24VDC, Independent power return springs for effective lever action and prevention of lever sag. Requestto-Exit output is optional. Turning the inside lever for egress activates the built in REX output providing a momentary signal to the access control REX input for alarm shunt during egress.

All standard locksets are supplied with a 6 pin cylinder with a Schlage "C" equivalent keyway. Keyed different, with 2 keys.

#### Distributor supplies Schlage D-Lock to SDC factory for Electrification

\$7250 Failsafe - Outside locked when energized, unlocked by an access control or key from the outside and rotating the inside lever provides egress

\$7252 Failsecure - Outside locked when de-energized. Unlocked by an access control or key from the outside and rotating the inside lever provides egress at all times.

#### SDC Factory Supplied Electrified Schlage D Lockset

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ZS7252 Failsecure - Outside locked when de-energized. Unlocked by an access control or key from the outside and rotating the inside lever provides egress at all times.

SDC Z7200 HiTower<sup>™</sup> levers comply with ADA requirements. The heavy-duty power spring provides smooth and efficient action and the lever's clutch mechanism prevents breakage.

#### Lever Trim





**SPA** Sparta

**RHO** Rhodes

#### **Finish**

C 605 Bright Brass H 613 Oil Rubbed Bronze D 606 Dull Brass P 625 Bright Chrome Q 626 Dull Chrome (std.) G 612 Dull Bronze

#### Mechanical Specifications

Latchbolt: 0.5625" throw

Backset: 2.75"

Strike: 4.875" ANSI A115.2 Door Thickness: 1.75" to 2.12

**Exceeds ANSI A156-2 Grade 1 Specifications** 

Please call your Sentinel Sales Representative for NET Prices & Availability.

Best Products! Best Selection! Best Customer Service!



# **Sentinel Door Controls**







#### Schlage D Cylindrical Lock Electrification

#### Application

SDC Electrified Cylindrical Locksets are designed for the access control of openings in commercial, industrial and institutional facilities where code compliance, dependable operation and resistance to physical abuse is required, including:

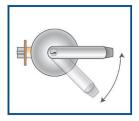
- High-Rise Offices
- Hospitals
- Universities
- Museums
- Government Centers
- Airports
- Factories

#### **Building and Fire Life Safety Code Compliant**

Z7200 electrified cylindrical locks ensure that the door stays latched even when unlocked, maintaining fire door integrity. Z7200 locksets comply with all national building and fire life safety code requirements for use on fire rated doors, including high-rise stairwell and elevator lobby doors where the use of electric strikes and magnetic locks is prohibited.

#### Security with Superior Aesthetics

Available in failsafe and failsecure modes to accommodate either security or fire life safety applications, Z7200 electrified locksets provide a superior appearance compared to exposed and vulnerable electric strikes and magnetic locks, while eliminating the need for request-to-exit devices.



Vandal Resistant Lever Handles Standard With SDC Brand Lockset When locked, the built-in clutch permits the handles to operate without retracting the latch, reducing potential for damage.

#### Benefits

- May be used in new or retrofit construction
- Building and Fire Life Safety Code Compliance
- Ideal for high usage environments
- Retrofits existing mechanical lock prep

#### Cylinders

#### Standard Cylinders

Keyed different is standard and need not be specified

6PKA 6 Pin Cylinder, keyed alike (optional)

#### Interchangeable Core

IC6P-KD 6 pin I-Core, small format, keyed different IC6P-KA 6 pin I-Core, small format, keyed alike









#### Model

All units feature Dual Voltage 12 & 24VDC, Independent power return springs for effective lever action and prevention of lever sag. Requestto-Exit output is optional. Turning the inside lever for egress activates the built in REX output providing a momentary signal to the access control REX input for alarm shunt during egress.

All standard locksets are supplied with a 6 pin cylinder with a Schlage "C" equivalent keyway. Keyed different, with 2 keys.

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#### SDC Factory Supplied Electrified Schlage D Lockset

ZS7250 Failsafe - Outside locked when energized, unlocked by an access control or key from the outside and rotating the inside lever provides egress

ZS7252 Failsecure - Outside locked when de-energized. Unlocked by an access control or key from the outside and rotating the inside lever provides egress at all times.

SDC Z7200 HiTower<sup>™</sup> levers comply with ADA requirements. The heavy-duty power spring provides smooth and efficient action and the lever's clutch mechanism prevents breakage.

#### Lever Trim





**SPA** Sparta

**RHO** Rhodes

#### **Finish**

C 605 Bright Brass H 613 Oil Rubbed Bronze D 606 Dull Brass P 625 Bright Chrome Q 626 Dull Chrome (std.) G 612 Dull Bronze

#### Mechanical Specifications

Latchbolt: 0.5625" throw

Backset: 2.75"

Strike: 4.875" ANSI A115.2 Door Thickness: 1.75" to 2.12

**Exceeds ANSI A156-2 Grade 1 Specifications** 

Please call your Sentinel Sales Representative for NET Prices & Availability.

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# **Sentinel Door Controls**





# **Grade 1 Electrified Mortise Locks**

**Selectric® Pro** locksets incorporate an SDC manufactured Grade 1 Heavy Duty mortise lockset and vandal resistant clutch mechanism. Proprietary to SDC, Selectric® Pro locksets, all operational attributes are field selectable. In addition, Selectric® Pro locksets retrofit many other mechanical lock brands making them fully compatible with new and retrofit applications.

#### Field Selectable Attributes

- · Selectable mode, failsafe or failsecure
- · Selectable function, locked outside only or both sides
- Selectable voltage, 12 or 24VDC
- · Selectable handing







c UL us LISTED Electrically Controlled Single Point Locks or Latches
3 Hr A Label Fire Rated Doors



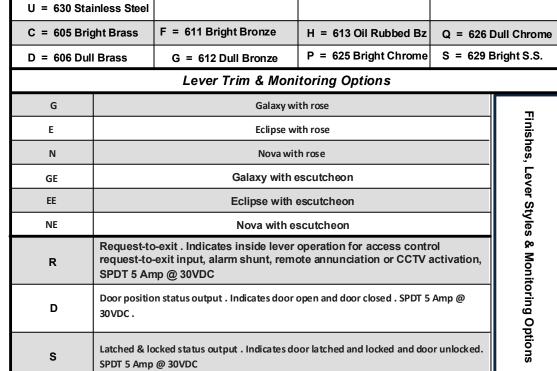
PRODUCT	DESCRIPTION				FINISH	<u> </u>	
Z7830	Locked both sides, failsafe	. Field reversible to failse	cure mode.	C, D	, F, G, H, P or Q	ွှ	
Z7850	Locked outside only, fai	Locked outside only, failsafe. Field reversible to failsecure mode.			, F, G, H, P or Q	Selectric®	
Z7832	Locked both sides, failsecure. Field reversible to failsafe mode .				, F, G, H, P or Q	ric®	
Z7852	Locked outside only, fa	C, D	, F, G, H, P or Q	Pro			
A Falcon-LM56	1 I Corbin-ML2055	P Yale-8805 T Best-35HEW V Marks-5J			V Marks-5J	Levers	
D Sargent-8201	N Arrow-B12	S Schlage-9080	U Dorma	-ML9050	X PDQ-MR148	_	

#### Architectural Grade Finishes









All prices shown are manufacturer's LIST Prices. Please call your Sentinel Sales Representative for NET Prices & Availability.

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# **Sentinel Door Controls**



# **IMPORTANT NOTES**

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# **Sentinel Door Controls**

# **Storefront Hardware**

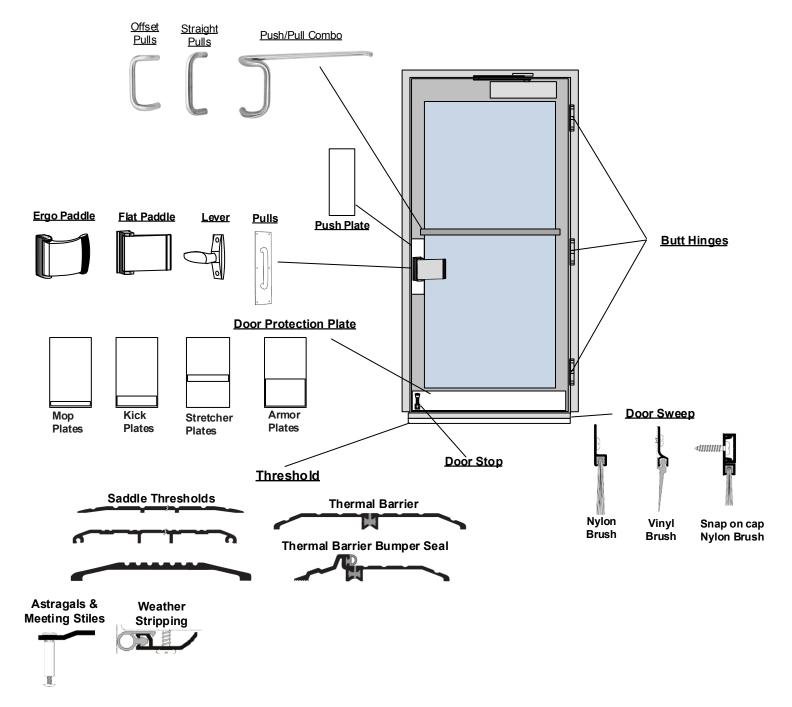


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#### ANATOMY OF STOREFRONT HARDWARE



Sentinel carries a wide variety of storefront hardware products from industry leading companies. If you can not find the product that you are looking for please give us a call and your local Sentinel representative will be happy to help you find the part you require.

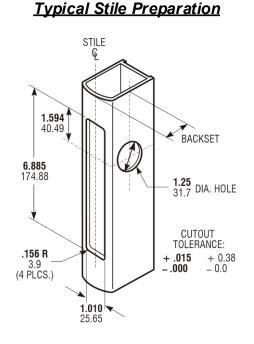
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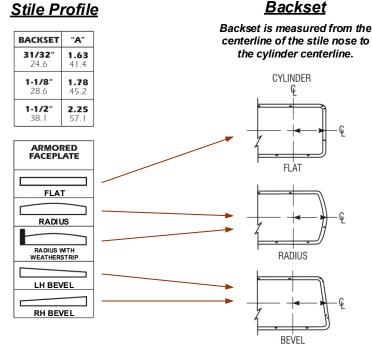


# **Sentinel Door Controls**



# A Comprehensive Guide to Identifying Aluminum Storefront Hardware



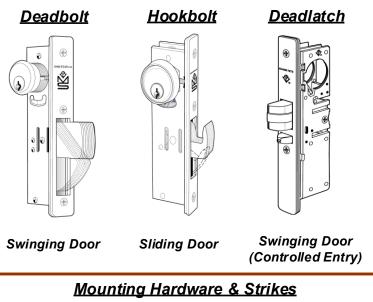


Ergo Paddle

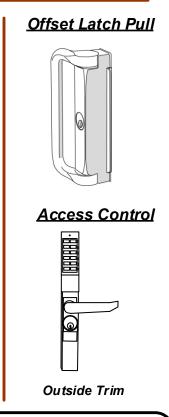
Flat Paddle

<u>Lever</u>

Inside Trim







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Mounting

Tab

Mounting Bridge

Double Strike

# **Sentinel Door Controls**



# Deadbolts, eLatch, Hookbolts & Deadlatches



#### MS Deadbolt, ANSI/BHMA Type E8211, Grade 1

The MS1850S Series Deadbolt is a huge bolt constructed of lamiated stainless steel, nearly 3 inches long, activated by an uncomplicated pivot mechanism and has made this basic MS Deadbolt the standard of the narrow stile door industry. The length of this bolt provides maximum security for a single leaf door, even a very tall and flexible one or an installation where the gap between door and jamb is greater than it should be.

#### Standard Duty Hookbolt, ANSI/BHMA Type E8281/E8291, Grade 1

The MS Hookbolt deadlock answers the security need of sliding glass doors in commercial, industrial and institutional buildings. The mechanism is identical to the widely used Maximum Security swinging door lock, except that the massive laminated bolt is provided in a hook shape to resist the parting motion of sliding door and jamb. The overcenter MS locking action assures that forced entry attempts to pry the door in any direction, up, down or sideways, will be defeated.



Model MS1850S-050



#### Model 4510

#### Standard Duty Deadlatch, ANSI/BHMA Type E8231, Grade 1

Flexibility of traffic control during and after business hours is offered by 4510 Series Deadlatches. A reverse turn of the key while bolt is held retracted retains the bolt, to allow two-way traffic for hospitals, banks stores and other buildings which require free entrance at certain times and exit-only at other times. Interchangeable, without stile modification, with any MS1850A or MS1850S deadbolt of the same backset and faceplate shape. (They do not, however, provide the same maximum security level as the MS Deadbolt.)

#### Heavy Duty Deadlatch, ANSI/BHMA Type E8231, Grade 1

Flexibility of traffic control and installation is offered by the 4900 Series Deadlatches. A reverse turn of the key while bolt is held retracted retains the bolt, to allow two-way traffic for applications which require free entrance at certain times and exit-only at other times. Interchangeable, without stile modification, with any MS1850A or MS1850S deadbolt of same backset and faceplate shape. Also retrofits to existing 4500/4700 Deadlatch preparations. 1-3/4" minimum door thickness required.



Model 4900



Model 4300

#### Electrified Deadlatch, ANSI/BHMA Type E8231, Grade 1

The 4300 eLatch combines mechanical locking hardware with electrified access control while working within standard aluminum entrance door preparations. Always operable from the inside via handle or paddle device. Entry via keyed mortise cylinder or access control element. Fail-secure lock with optional form "C" latch status monitor. The standard 4300 operates on 12, 16 or 24 volt DC power, and is rated for continuous duty. Units are equipped with a quick connect plug-in type connector. Interchangeable without stile modification for MS $_{\rm m}$  Deadbolts or 4500/4900 Deadlatches.

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# **Sentinel Door Controls**

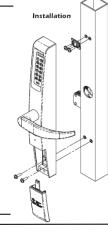




3090 - eForce 150 Keyless Entry System



The eForce-150 is a new battery-operated key pad control for Adams Rite deadbolts, deadlatches and exit devices that are compatible with narrow, medium and wide stile aluminum, steel and wood door applications. The device can accommodate up to 150 users, (including master, supervisor and emergency users) plus two onetime codes. The eForce-150 can operate in three modes: Standard, Passage and Lockout. All programming is accomplished via the keypad. Device operation is confirmed by both a visual LED light indicator and an audible sound generated by a piezo horn.



#### Features:

- Surface mounted with concealed fasteners
- Field selectable handing
- Free-wheeling lever with clutch to prevent vandalism
- Mortise cylinder control (1" to 1-1/2" range with AR/MS cam)
- Die cast housing and lever
- UV stable keypad material
- Full outdoor rating temperature range from -31 F to 151 F (-35 C to 66 C)
- Powered by 4 AA alkaline batteries

#### Operation

In the standard mode of operation, a programmed 2 to 7 digit character followed by star (\*) key, allows for one entry. Hold open time is adjustable from 1 to 9 seconds Mechanical key override via mortise cylinder (by others). Remote activation (hard wired switch) achievable with optional cable kit – RSK-3090.

#### **Function**

The eForce-150 is a new battery-operated keyless entry control for Adams Rite deadbolts, dead latches and exit devices that are compatible with aluminum stile, steel and wood door applications. The device can accommodate up to 150 users, (including master, supervisor and emergency users) plus two one-time codes. The eForce-150 can operate in three modes: Standard, Passage and Lockout. All programming is accomplished via the keypad. Device operation is confirmed by both a visual LED light indicator and an audible sound generated by a piezo horn.

#### **Compatible Locking Devices**

The eForceTM-150 retrofits to Adams Rite MS<sup>E</sup> Series Deadbolts, 4500, 4700, 4900, Deadlatches and 8000 Series Exit Devices in 31/32" backsets and greater. All Yale 7200 Series, all Corbin Russwin ED4000 Series, and Sargent 8500 Rim exit devices.

3 7/8" 1 7/16" 98.40 36.53 000 12 34 50.56 **6** 78 90 ∰ ∰ 125.30 15 3/8" [390.47] 7 1/2" 192.55 ANNA ACTI CO 1 3/4" 44.45

3090 Dimensions:

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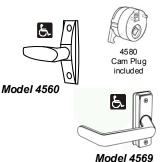
# **Sentinel Door Controls**





#### Inside Lever & Paddle Trim

#### **Inside Levers**





Cam Plug



Model 4590

Cam Plug included

4560-511-121/130 = LH/RHR, 1-3/4", Duro/Alum Finish 4560-611-121/130 = RH/LHR, 1-3/4", Duro/Alum Finish 4561-511-121/130 = LH/RHR, 1-3/4", Duro/Alum Finish

4561-611-121/130 = RH/LHR, 1-3/4", Duro/Alum Finish 4569-511-121/130 = LH/RHR, 1-3/4", Duro/Alum Finish

4569-611-121/130 = RH/LHR, 1-3/4", Duro/Alum Finish

4590-02-00-628 = LH, 1-3/4", Alum Finish 4590-04-00-628 = RH, 1-3/4", Alum Finish

 $4590-02-00-313 = LH, 1-\frac{3}{4}$ ", Duro Finish

4590-04-00-313 = RH, 1-3/4", Duro Finish

4591-02-00-628 = LH, 1-3/4", Alum Finish 4591-04-00-628 = RH, 1-3/4", Alum Finish

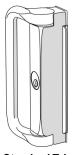
Model 4591

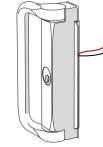
4591-02-00-313 = LH, 1-3/4", Duro Finish

4591-04-00-313 = RH, 1-3/4", Duro Finish

#### Mechanical & Electrified Outside Trim

#### Offset Latch Pull

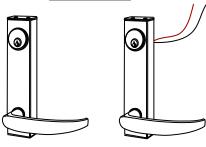




Standard Trim

**Electrified Trim** 

#### Lever Trim



Standard Trim

Electrified Trim

#### Standard Trim

4593-07-00-130 = LHR, 628 Alum Finish 4593-08-00-130 = RHR, 628 Alum Finish 4593-07-00-121 = LHR, 313 Bronze Finish 4593-08-00-121 = RHR, 313 Bronze Finish

#### **Electrified Trim**

4593E-07-00-130 = LHR, 628 Alum Finish 4593E-08-00-130 = RHR, 628 Alum Finish 4593E-07-00-121 = LHR, 313 Bronze Finish 4593E-08-00-121 = RHR, 313 Bronze Finish

(Available in 12 or 24 VDC, NFS)

#### Standard Trim

3081-3U-00-US26D = w/Cyl Hole, Dull Chrome Finish 3081-3U-00-US10B = w/Cyl Hole, Dark Bronze Finish

#### **Electrified Trim**

3081E-3U-30-US26D = w/Cyl Hole, 12VDC, NFS, Dull Chrome Finish 3081E-3U-30-US10B = w/Cyl Hole, 12VDC, NFS, Dark Bronze Finish 3081E-3U-50-US26D = w/Cyl Hole, 24VDC, NFS, Dull Chrome Finish 3081E-3U-50-US10B = w/Cyl Hole, 24VDC, NFS, Dark Bronze Finish

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# **Sentinel Door Controls**



# **Sentinel** Aluminum Storefront Locks & Accessories

#### **Applications**

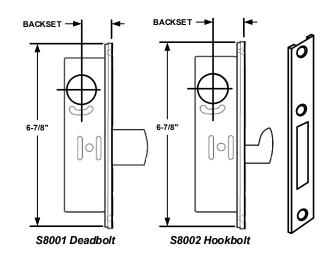
Model: S8001 Deadbolt - Designed for use on Swing type, narrow stile metal or aluminum frame glass doors. Typical applications include interior doors and store-front doors in commercial locations. This lock is a direct replacement for the Adams-Rite MS1850S and is available in three different backsets; 1-1/8", 1-1/2" & 31/32".

Model: \$8002 Hookbolt - Designed for use on Sliding type, narrow stile metal or aluminum frame glass doors. Typical applications include interior doors, store-front and automatic sliding doors in commercial locations. This lock is a direct replacement for the Adams-Rite MS1850S-050 and is available in three different backsets; 1-1/8", 1-1/2" & 31/32".

#### Faceplate Part Numbers for \$8001 & \$8002

- 800 FP1 / 800 FP6 Flat
- 800 FP3 / FP8 R.H. Bevel
- 800 FP2 800 FP7 L.H. Bevel
- 800 FP4 / FP9 Radius
- 800 FP5 / FP10 Radius/Strip

(The above face plates are available in ether Clear or Duro Aluminum Finish)



#### **Application**

Model: S8003 Deadlatch - Designed for use on Swing type, narrow stile metal or aluminum frame glass doors. Typical applications include interior doors and store-front doors in commercial locations. This lock is a direct replacement for the Adams-Rite 4510 and is available in three different backsets; 1-1/8", 1-1/2" & 31/32".

#### Faceplate Part Numbers

- 800 FP11 Flat Faceplate
  - 800 FP13 R.H. Bevel
- 800 FP12 L.H. Bevel
- 800 FP14 Radius Faceplate

(The above faceplates are available in ether Clear or Duro Aluminum Finish)



S8003 Deadlatch (shown with SH800-LH1 Lever)

#### Sentinel Model SH800-LH1 Lever Trim

# Features SH800-LH1 S8003 Deadlatch

# Cam Plug

#### included

#### • Inside Lever is for inswing & outswing aluminum doors with deadlatch

- Works with Sentinel Model \$8003 as well as Adams-Rite 4510
- Available in Satin & Duranotic Aluminum Finishes



#### Sentinel Model S800 Push/Pull Paddle Trim Cam Plug included

#### Features

S8003 Deadlatch

- Push/Pull Paddle for inswing & outswing aluminum doors
- Works with Sentinel Model S8003 as well as Adams-Rite 4510
- Installs in Adams Rite MS Deadbolt prep
- Satin aluminum faceplate with clear handle
- Black faceplate with oil-rubbed bronze paddle or Duranotic Brown handle



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# Sentinel - Deadbolts, Hookbolts & Deadlatches

S800 - Deadbolt



S800 - Hookbolt



S800 - Deadlatch



#### **Specifications:**

Function: Deadbolt, Hookbolt, Deadlatch

Backset: 31/32", 1 1/8"

Hand: Non Handed, easily field reversible Face Plate: 1"W x 6 7/8"L – aluminum

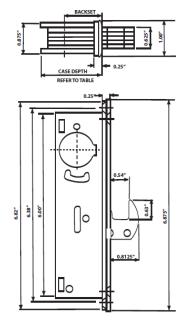
Case: 7/8"W x 6"L

Function	Lock Backset
Deadbolt	31/32" 1 1/8" 1 ½"
Hookbolt	31/32" 1 1/8" 1 ½"
Deadlatch	31/32" *1 1/8" 1 ½"

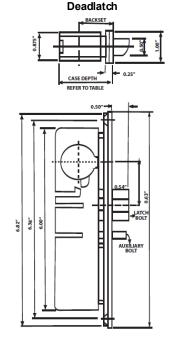
\* 1 1/8" Deadlatch is quick change non-handed

# ASE DEPTH 0.25" REFER TO TABLE 1.375"

Deadbolt



Hookbolt



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# **Sentinel Door Controls**



# **Sentinel** - S800 Cylinders



**\$800-CG**Cylinder Guard



**\$800-ZD**Zinc Dummy Cylinder



S800-BT / S800-ZT
Thumbturn Mortise Cylinder
Brass or Zinc



\$800-TR1 / \$800-TR2 Trim Ring / Stamped Trim Ring

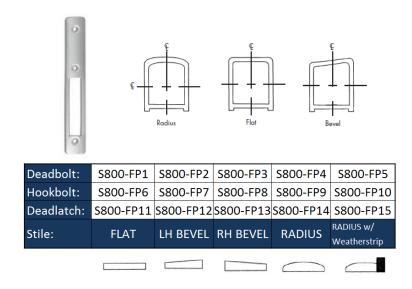


**S800-RC** Rim Cylinder



\$800-BCX2 / \$800-ZCX2 (paired cylinders keyed alike) \$800-BCX1 (single cylinder) Mortise Cylinder Brass or Zinc

## **Sentinel** - S800 Face Plates



## Sentinel - \$800 Strikes



#### Applications:

Both strikes are for use with the S800 Deadlatch or any other brand of narrow stile mortise deadlatch. Order double strike when converting a narrow stile lock to a deadlatch, to cover elongated slot in aluminum frame. Order single strike separately if required.

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# **Sentinel Door Controls**



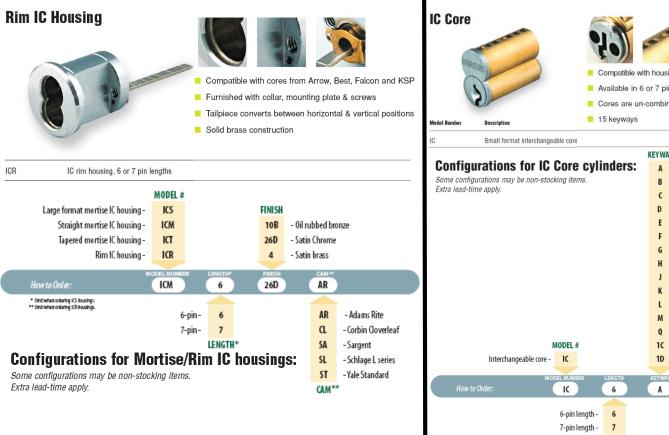


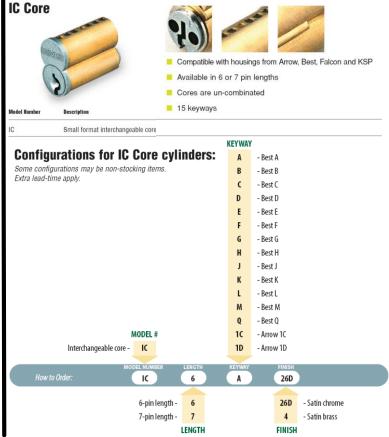
# - Cylinders Housings





#### REPLACEMENT CYLINDERS





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# **Sentinel Door Controls**



# DON-JO MFG., INC.

#### **Butt Hinge Filler Plates and Kits**

Frame hinge

cut out



FDV 464

SHF-50

Door hinge cut out





HS-090

13 (.090) Gauge Hinge shim

PDF-161
Covers up to 2 1/8" hole under rim panic device

#### **Sentinel** – BUTT HINGES

#### SENTINEL BUTT HINGES

Sentinel's full mortise, commercial grade Butt hinges perform flawlessly in any application. Suitable for all types of commercial doors from light to heavy frequency. Both plain and ball bearing styles are available as standard duty and heavy duty with non-removable pin. Radius cornered hinges are also available.

#### **FEATURES**

- AVAILABLE IN FULL MORTISE OR \*SPRING HINGES
- FOR MEDIUM TO HEAVY DOORS
- AVAILABLE IN PLAIN AND BALL BEARING
- STEEL BASE MATERIAL WITH NON-RISING PIN
- LOW TO HIGH FREQUENCY
- WEATHER RESISTANT
- CONFORMS TO ANSI REGULATIONS: A8133, A812, A811



US26D Spring Loaded Hinge Shown

#### Vertical Adjustment Screw

#### Rotating Hinge Pin



Roller Bearings

#### Thrust Bearing

# FOR 1/8" OFFSET DOOR INSTALLATION. FOR FLUSH DOOR INSTALLATION SHIM JAMB JOOR HOLINTING HOLES JAMB J

#### **Sentine!** - SUPER HINGE

#### SENTINEL S800 HINGES

Sentinel's 800 Series Deluxe Hinge Kit is designed to perform flawlessly in any application. Suitable for all types of commercial doors up to 500 lbs, such as a variety of refrigerator and freezer applications, as well as vaults, storefronts, security entrances, hospital doorways, hatches, safest and hoppers...anywhere a retrofit requires an extremely strong and highly secure self lubricating deluxe hinge.

- HIGH SECURITY
- SIMPLE TO INSTALL
- UNIVERSAL FIT (NON-HANDED)
- HIGH TENSILE ALUMINUM ALLOY
- IDEAL FOR CONSTANTLY USED DOORS
- SUITABLE FOR ALL TYPES OF COMMERCIAL DOORS AND FRAMES
- FOR DOORS UP TO 500 lbs
- INSTANT VERTICAL ADJUSTMENT TO FINE TOLERANCES
- SELF LUBRICATING PIN ROTATES ON ANTI-FRICTION BEARINGS
- FOR SMOOTH, TROUBLE-FREE OPERATION
- PERFECT REMEDY FOR COMMON DOOR PROBLEMS

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# **Sentinel Door Controls**



# **Sentinel** - Aluminum Storefront Pivot Sets

#### S810 - ARCH - VISTAWALL STYLE - Handed



Sentinel's S800 Series Offset Pivots are used for both flush face frames installation and 1/8" recessed door applications. Pivots replace most major door manufacturers. Suitable for aluminum doors weighing up to 125 pounds. These pivots are engineered and design for durability and are easy to install.

Note: Order RH for Right Hand Applications and LH for Left Hand Applications.

#### **Specifications:**

- 3/4" offset pivots for aluminum doors and frames
- Vertical adjustment 1/8"
- Finish available in Aluminum and Dark Bronze

S812 - Vistawall - Arch Style

S813 – YKK STYLE - HANDED

**S814 – ARMALITE STYLE - HANDED** 



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# **Sentinel Door Controls**



# **Sentinel** - Aluminum Storefront Pivot Sets Cont.

S816 - PITTCO/PPG STYLE - HANDED



S816U - US ALUMINUM - HANDED



S819 – 3/4" OFFSET INTERMEDIATE PIVOT - HANDED

\$822 - 34" OFFSET INTERMEDIATE PIVOT - HANDED



KBP - KAWNEER BOTTOM PIVOT - HANDED







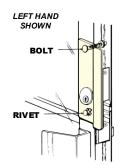
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# **Sentinel Door Controls**



# Heavy Duty Latch Guards by DON-JO MFG., INC.

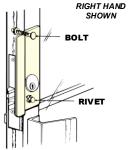


GLP-307-LHR

FINISHES: 630, DU (Duro Coated), SL (Silver Coated)

- 12 (.104) Gauge Steel
- Fits over cylinder lock removal NOT required
- Hand carriage bolt and rivet supplied
- No specific tools required
- 3/8" offset
- Center of cylinder hole is 2 1/2" from end of plate

DIMENSIONS				
GLP-307 LHR 2 GLP-307 RHR	2	5/8" x 7" x 1/8" 5/8" x 7" x 1/8"		

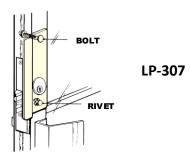


GLP-307-RHR

FINISHES: 630, DU (Duro Coated), SL (Silver Coated)

- 12 (.104) Gauge Steel
- Fits over cylinder lock removal NOT required
- Hand carriage bolt and rivet supplied
- No specific tools required
- 3/8" offset
- Center of cylinder hole is 2 1/2" from end of plate

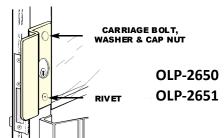
DIMENSIONS				
GLP-307 LHR	2	5/8" x 7" x 1/8"		
GLP-307 RHR	2	5/8" x 7" x 1/8"		



FINISHES: 630, DU (Duro Coated), SL (Silver Coated) 12 (.104) Gauge Steel

- Reversible
- Fits over cylinder lock removal NOT required
- Hand carriage bolt and rivet supplied
- No specific tools required
- 3/8" offset

DIMENSIONS				
LP-307	2 5/8" x 7" x 1/8"			



FINISHES: DU (Duro Coated), SL (Silver Coated) 12 (.104) Gauge Steel

• Available in 1 1/8" and 1 3/8" offset

DIMENSIONS					
OLP-2650	2 5/8" x 6 1/2" x 11/8"				
OLP-2651	2 5/8" x 6 1/2" x 13/8"				

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# **Sentinel Door Controls**









# **Sentinel**





lves	Rockwood	Bums	Size
8200	70A 50	3" x1	2"
	51	3-1/2	!" x 14"
	52	3" x 1	15"
	70B 53	3-1/2	!" x 15"
	70C 54	4" x 1	16"
	70G 55	4" x 2	20"
	70E 56	6" x 1	16"
	70F 57	8" x 1	16"
		*58 3-1/2	." x 15" x 7/32"
		(Forge	ed)

#### **Push Plates**

- Made from the finest architectural aluminum, brass, and stainless steel.
- For Push Plate sizes other than listed, contact our customer service department or your local sales representative.
- All aluminum, brass, and stainless steel Push Plates meet ANSI A156.6 requirements for .050" thickness.
- Each Push Plate is packaged individually wrapped with mounting screws.

#### Available Finishes:

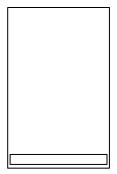
US3, US4, US5, US10, US10B, US15, US15A, US26, US26D, US28, US32, US32D

#### Kick Plates & Door Protection Plates (.050" Thickness)

#### Features:

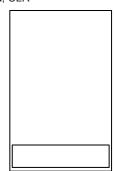
- Door Protection Plates are fabricated from the finest architectural aluminum, brass, and stainless steel, or 1/8" thick clear acrylic plastic or black or brown high impact polyethylene.
- All aluminum, brass, bronze and stainless steel Door Protection Plates meet ANSI A 156.6 requirements for .050" thickness.
- Optional Beveling—For beveling of top and two sides of plates suffix with BBE, and for beveling of four sides suffix with B4E. Plastic plates are beveled on all four sides as standard.
- Each plate is packaged carefully wrapped in strong kraft paper with #6 x 5/8" oval head, undercut sheet metal screws plated to match, for easy installation on hollow metal, laminate, or wood doors. All plates are packaged in heavy duty corrugated cardboard; larger plates are enclosed in a wooden frame.
- Use No. 8401 Kickplate Gasket Tape as a buffer between brass kickplates and metal doors to help prevent tamishing which may result from electrolytic oxidation. One package provides enough double-sided adhesive-backed foam tape for the perimeter of an 8" x 34" plate.
- Finishes:

Brass: B3, B4, B5, B10, B10B (for heights over 24", check with your Sentinel Sales Representative) - Stainless Steel: S32D, S32 Aluminum: PA28 - Plastic: BLK, BRN, CLR



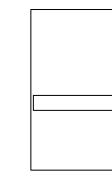
#### Mop Plates

- Protect the bottom of the pull side of door subject to cleaning and mopping procedures.
- Size Ranges:
- 4" to 6" high, 22" to 48" wide



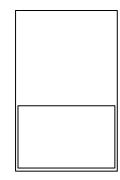
#### **Kick Plates**

- Protect the bottom of the push side of doors subject to scuffing from foot traffic.
- Recommended for all doors subject to normal use (especially doors using a closer).
- Size Ranges:8" to 24" high, 22" to 48" wide



#### **Stretcher Plates**

- Protect doors at specific areas where consistent contact is made by stretchers, service carts or other equipment.
- Usually applied to push side of doors.
- Specify "B4E" Option for beveled edges.
- Size Ranges:6" to 8" high, 22" to 48" wide



#### **Armor Plates**

- Protect lower half of doors from abuse by hard carts, trucks and rough usage.
- Usually applied to push side of single doors and both sides of double acting doors.
- Size Ranges:26" to 48" high, 22" to 48" wide

All other products not seen in this section by the above manufacturers are available from Sentinel Door Controls.

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Please contact your Sentinel Sales Representative for NET Pricing & Availability.



# **Sentinel Door Controls**



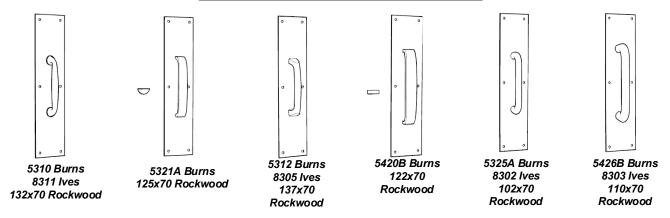








#### **Burns & Ives Pull Plate Part Numbers**



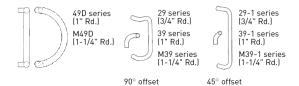
The Pull Plates shown are but a few of the popular applications of grips to plates available. Please call your Sentinel Sales Representative if you have a Model Number, Style and Size of a specific item not shown. We have access to all available products by Burns & Ives.

#### **Burns & Ives Offset Pulls**



These handsomely designed pulls are extremely popular. They are an attractive alternative to traditional straight door pulls. Please specify a heavy duty mounting system for 1" and 1-1/4" diameter offset pulls on high use doors.

lves	Burns	Materials	Centers	Overall	Base	Clearance	Projection	Offset	ANSI
8190	29B	3/4" Rd.	8"	8-3/4"	3/4" Rd.	1-3/4"	2-1/2"	3"	J402
"	29C	3/4" Rd.	10"	10-3/4"	3/4" Rd.	1-3/4"	2-1/2"	3"	J402
"	29D	3/4" Rd.	12"	12-3/4"	3/4" Rd.	1-3/4"	2-1/2"	3"	J402
"	39B	1" Rd.	8"	9"	1" Rd.	1-3/4"	2-3/4"	4"	J402
"	39C	1" Rd.	10"	11"	1" Rd.	1-3/4"	2-3/4"	4"	J402
"	39D	1" Rd.	12"	13"	1" Rd.	1-3/4"	2-3/4"	4"	J402
"	39G	1" Rd.	18"	19"	1" Rd.	1-3/4"	2-3/4"	4"	J402
"	M39D	1-1/4" Rd.	12"	13"	1-1/4" Rd	. 2-1/4"	3-1/2"	4-1/2"	J402
"	M39G	1-1/4" Rd.	18"	19-1/4"	1-1/4" Rd	. 2-1/4"	3-1/2"	4-1/2"	J402
"	49D	1" Rd.	12"	-	3/4" Rd.	1-1/2"	2-1/2"	7"	-
"	M49D	1-1/4" Rd.	12"	-	1" Rd.	1-1/4"	2-1/2"	7-1/2"	-
8190	29-1B	3/4" Rd.	8"	8-3/4"	3/4" Rd.	1-3/4"	2-1/2"	2-1/4"	J402
"	29-1C	3/4" Rd.	10"	10-3/4"	3/4" Rd.	1-3/4"	2-1/2"	2-1/4"	J402
"	29-1D	3/4" Rd.	12"	12-3/4"	3/4" Rd.	1-3/4"	2-1/2"	2-1/4"	J402
"	39-1B	1" Rd.	8"	9"	1" Rd.	1-3/4"	2-3/4"	2-3/4"	J402
"	39-1C	1" Rd.	10"	11"	1" Rd.	1-3/4"	2-3/4"	2-3/4"	J402
"	39-1D	1" Rd.	12"	13"	1" Rd.	1-3/4"	2-3/4"	2-3/4"	J402
"	39-1G	1" Rd.	18"	19"	1" Rd.	1-3/4"	2-3/4"	2-3/4"	J402
"	M39-1D	1-1/4" Rd.	12"	13-1/4"	1-1/4" Rd	. 2-1/4"	3-1/2"	3-1/4"	J402
"	M39-1G	1-1/4" Rd.	18"	19-1/4"	1-1/4" Rd	. 2-1/4"	3-1/2"	3-1/4"	J402



All other products not seen in this section by the above manufacturers are available from Sentinel Door Controls.

Please contact your Sentinel Sales Representative for NET Pricing & Availability.

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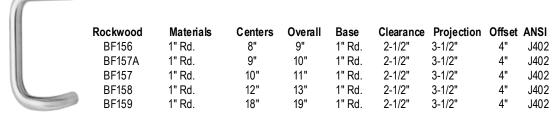


# **Sentinel Door Controls**





#### **Rockwood Offset Pulls**



Fastener: - 1/4-20 x 21/4 Thru Bolt & Finish Washer (standard 13/4" door).

Options: - Back to back mounting in pairs- use BTB suffix and mounting type number (BF156BTB16).

- Concealed mounting single pulls- use C suffix and mounting type number (BF156C17).
- Advise if door thickness is other than 134".
- Heavy duty versions of most fastening types available use suffix HD to fastening type number (BF156TB16HD).



#### **Rockwood Straight Pulls**

ı		Rockwood	Materials	Centers	Overall	Base	Clearance	Projection	Offset	ANSI
ı		102	5/8" Rd.	5-1/2"	6-1/8"	5/8" Rd.	1-3/8"	2"	4"	-
ı		105	5/8" Rd.	5-1/2"	6-1/4"	3/4" Rd.	1-1/2"	2-1/4"	4"	J401
ı	1	106	5/8" Rd.	6"	6-3/4"	3/4" Rd.	1-1/2"	2-1/4"	4"	J401
ı		107	5/8" Rd.	8"	8-3/4"	3/4" Rd.	1-1/2"	2-1/4"	4"	J401
A	l	108	5/8" Rd	10"	10-3/4"	3/4" Rd.	1-1/2"	2-1/4"	4"	J401
Ų	1000	109	5/8" Rd.	12"	12-3/4"	3/4" Rd.	1-1/2"	2-1/4"	4"	J401

Fastener: - 1/4-20 x 21/4 Thru Bolt & Finish Washer (standard 13/4" door).

Options: - Back to back mounting in pairs- use BTB suffix and mounting type number (107BTB5).

- Concealed mounting single pulls- use C suffix and mounting type number (107C6).
- Advise if door thickness is other than 13/4".
- 2 ½ Barrier Free clearance use BF prefix (BF107).

#### Rockwood Offset Single Bar Sets



			Pull		Pu		
Rockwood	Materials	Centers	Clearance	Projection	Clearance	Projection	ANSI
BF1564	1" Rd.	8"	2-1/2"	2-1/2"	1-3/8"	2"	J504
BF157A4	1" Rd.	9"	2-1/2"	2-1/2"	1-1/2"	2-1/4"	J504
BF1574	1" Rd.	10"	2-1/2"	2-1/2"	1-1/2"	2-1/4"	J504
BF15847	1" Rd.	12"	2-1/2"	2-1/2"	1-1/2"	2-1/4"	J504
BF15947	1" Rd	18"	2-1/2"	2-1/2"	1-1/2"	2-1/4"	J504

**Ordering:** Specify product number, mounting, door type, push bar CTC, and finish (i.e., BF15747 T3, wood door, 33" CTC, US32D.

Options: Engraving "PUSH" or "PULL" (specify Handing). Heavy duty versions of most fastening types available - use suffix HD to fastening type number.

All other products not seen in this section by the above manufacturers are available from Sentinel Door Controls. Please contact your Sentinel Sales Representative for NET Pricing & Availability.

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# **Sentinel Door Controls**











#### SENTINEL



#### **Dome Stops**

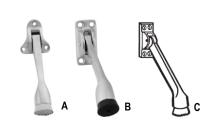
lves	Burns	Description	Material	Dimensions	ANSI
FS13	510	Low Dome Stop Cast	Brass or Bronze	1-3/4" Base x 1" High	L12141
FS17	520	High Dome Stop Cast	Brass or Bronze	1-3/4" Base x 1-1/4" High	L12161
R16	525	Dome Stop Riser	Cast Brass or Bronze	1-3/4" Base x 3/8" High	-

Solid diecast brass construction designed to minimize stumbling hazards and cleaning interference. Non-marring rubber is attached in a tamper-proof manner to prevent theft.



#### Floor Stops Shape Description Dimensions Material ANSI lves Burns Cast Brass or Bronze 2-1/2" Base x 3" High L12131 Α 535 Heavy Duty Floor Stop В 536 Heavy Duty Floor Stop w/Hook Cast Brass or Bronze 2-1/4" Base x 3-5/8" High L11371 FS446

Commercial grade door stop for high traffic conditions. Solid cast brass or bronze heavy duty construction Includes mounting hardware for all floor construction applications. Functions as a hold open device when hook is manually engaged in strike. Unit requires manual disengagement to release.



Kick-Down Door Stops Shape Ives Sentinel Bums Base Arm Length ANSI							
	Shape	lves	Sentinel	Burns	Base	Arm Length	ANSI
	Α	FS455		584	1-5/8" x 1-7/8"	4"	L11381
	Α			584-5	1-5/8" x 1-7/8"	5"	L11381
	В	FS452-4		585	1-7/16" x 2-1/8"	4"	L11381
	В	FS452-5		585-5	1-7/16" x 2-1/8"	5"	L11381
	С		DHDS5 SL			5"	L11381
	С		DHDS5 DU			5"	L11381

- Units provide simple hold and release, activated with a touch of the foot. Cast brass or aluminum construction.
- Non-marring rubber shoes have corrugated bottoms to provide secure grip and a shank which forms its own thread when screwed into thread ed cavity of holder. When wom, shoes are easily replaced. Door-to-floor clearances of 2" or less.

Wall Stops			
Convex	Concave		

lves	Burns	Bumper	Material	Size	ANSI
WS407CVX	570	Convex	Wrought Brass, Bronze, Stainless Steel	2-1/2" Diameter x 1" Projection	L22102
WS407CCV	575	Concave	Wrought Brass, Bronze, Stainless Steel	2-1/2" Diameter x 1" Projection	L22102

 $All \ wall \ stops \ are \ provided \ with \ fasteners \ for \ mounting \ in \ all \ types \ of \ wall \ construction \ in \ duding \ concrete \ .$ 

	Rockwood	Bumper	Material	Size	ANSI
_	406	Convex	Wrought Brass, Bronze, Stainless Steel	2-1/2" Diameter x 3/4" Projection	L02101
	409	Concave	Wrought Brass, Bronze, Stainless Steel	2-1/2" Diameter x 3/4" Projection	L02251



#### **Elevated Floor Stops**

lves	Burns	Description	Dimensions	Material	ANSI	
FS441	527	Heavy Duty Floor Stop	Cast Brass or Bronze	2-1/8" Projection	L12131	
FS442 FS451	528 529	Heavy Duty Floor Stop HD Floor Stop w/Hook	Cast Brass or Bronze Cast Brass or Bronze	2-7/8" Projection 3-1/8" Projection	L12131 L11371	
F5431	529	UD LIOOI STOP M/LIOOK	Cast Diassor Dionze	3-1/6 P10Jection	LIIJII	

Commercial grade door stop for high traffic conditions. Solid cast brass or bronze heavy duty construction. Includes mounting hardware for all floor construction applications. Functions as a hold open device when hook is manually engaged in strike. Unit requires manual disengagement to release.

All other products not seen in this section by the above manufacturers are available from Sentinel Door Controls.

Please contact your Sentinel Sales Representative for NET Pricing & Availability.

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# **Sentinel Door Controls**









#### SENTINEL



597

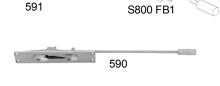


#### **Surface Mounted Security Bolts**

Ives	Burns	Rockwood	Description	Size	ANSI
40 FB453	597 598		8" Concealed Surface Bolt 8" Surface Strap Bolt	1" Throw 1" Throw	L84161 L84161
1 0400	5	598 8" Co	ncealed Surface Bolt 1-1/8"	Throw	

Our 597 has a fully concealed mounting design which enhances appearance and security. Units are furnished with universal top strike and flat bottom strike. Available in US26D only. Number 598 is a heavy duty all steel construction surface bolt to insure maximum strength and security. This bolt is available in all architectural finishes.







#### Flush Bolts & Dustproof Strikes

Ives	Bums	Rockwood	Description		Size	ANSI
E0.455						
FS455	590	555	Flush Bolt for Metal Doors	1" x 6-3/4"		L14081
FB358	591	557	Flush Bolt for Wood Doors	1" x 6-3/4"		L14081
	S800 FB1	Flush Bolt	for Aluminum Door	Std. x 11" Rod	L1408	1
	S800 FB2	Flush Bolt	for Aluminum Door	Std. x 16" Rod		L14081
DP1			Dust Proof Strike		1-5/8" \	W x 3-1/2" L x 1/8" T
DP2	545		Dust Proof Strike	1-7/16" x 2-	-7/8"	L14021
		570 Dust	Proof Strike	1-3/8" x 2-7/	'8"	

Polished extruded brass manual flush bolts having over 7/8" throw and 7/8" vertical adjustment. Our dust proof strike can be used on both floor and threshold installation.



#### **Extra Heavy Duty Crash Stop**

Ives	Sentinel	Description	ANSI
CS115		Extra Heavy Duty Crash Stop	A156.16, L12231, (Grade 1)
	DHCH1361	Heavy Duty Crash Stop	

- Specially designed for full-size exterior doors.
- Tear resistant, grey vinyl cover.
- Heavy duty compression spring assembled to both ends of chain and end brackets.
- Packed with sheet metal screws.
- Cast Brass brackets with solid, welded steel chain.
- Meets ANSI/BHMA A156.16, L12231, (Grade 1).
- Other Ives Finishes Available Special Order: US3, US4, US5, US10, US14, US15, US15A, US26.

All other products not seen in this section by the above manufacturers are available from Sentinel Door Controls.

Please contact your Sentinel Sales Representative for NET Pricing & Availability.

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# **Sentinel Door Controls**





# **Offset Hung Pivot Sets**

#### Model 117-1/4



Application Interior Doors

Weight to 250 lbs.\* Door Width up to 3'6"(1067mm) Handed BHMA/ANSI NO: C07172

#### Model 117



#### Application

Interior Doors Weight to 300 lbs.\* Door Width up to 3'6"(1067mm) BHMA/ANSI NO: C07162/C07202

#### Model 195



#### Application

Exterior or Interior Doors Weight to 450 lbs.\* Door Width up to 4'0"(1219mm) Handed BHMA/ANSI NO: C07131

#### Model 147



#### Application

Exterior or Interior Doors Weight to 600 lbs.\* Exterior Door Width up to 3'0"(914mm) Interior Door Width up to 3'6"(1067mm) Handed

BHMA/ANSI NO: C07162

#### Model H147



#### Application

Exterior or Interior Doors Weight to 800 lbs. Door Width up to 3'6"(1067mm) Handed BHMA/ANSI NO: C07162 (modified)

#### Model L147



#### Application

Exterior or Interior Doors Lead-Lined/Heavy/High Traffic Doors Weight to 1000 lbs. Door Width up to 3'6"(1067mm) Handed BHMA/ANSI NO: C07162

#### Model 117-1/2



#### Application

Exterior or Interior Doors Weight to 650 lbs.\* Door Width up to 4'0"(1219mm) BHMA/ANSI NO: C07121

#### Model L117



#### Application

Exterior or Interior Doors Lead-Lined/Heavy/High Traffic Doors Weight to 1,750 lbs.\* Door Width up to 4'0"(1219mm) Handed BHMA/ANSI NO: C07111

#### Model 117 x 1-1/2"



#### **Application**

Interior Doors Weight to 150 lbs.\* Door Width up to 3'6"(1067mm) Handed BHMA/ANSI NO: C07162

#### Model 147-1/2 x 1-1/2"



#### Application

Exterior or Interior Doors Weight to 350 lbs. Exterior door width up to 3'0"(914mm) Interior door width up to 3'6"(1067mm) Handed BHMA/ANSI NO: C07162

#### Model 117-1/2 x 1-1/2"



#### **Application**

Exterior or Interior Doors Weight to 450 lbs.\* Door Width up to 4'0"(1219mm) Handed BHMA/ANSI NO: C07121 (modified)

NOTE: Specification & Template information is available upon request for all of the pivots shown above. Pivot options include painted & plated finishes, ¾", 1-½" & 1-¾" Offsets, Extended Spindles, Security Screws and approved Fire Rated units.

Please call your Sentinel Sales Representative for NET Pricing & Availability.



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# **Offset Hung Top Pivots**

#### Model 180



Application Full Mortise Non-handed

#### Model 180 x 1-1/2"



**Application**Full Mortise
Non-handed

#### Model H180



Application
Full Mortise, Heavy-Duty
Non-handed

Model H180 x 1-1/2"



**Application**Full Mortise, Heavy-Duty
Non-handed

#### Model L180



Application Lead-Lined/Heavy/ High Traffic Doors Full Mortise Non-handed

#### **Model FA180**



Application
Asylum Design
Full Mortise
Handed

#### Model 280



Application
Half Surface
Handed
BHMA/ANSI NO: C07501

#### Model 380



Application Half Mortise Handed BHMA/ANSI NO: C07511

#### Model 480



Application Full Surface Handed BHMA/ANSI NO: C07521

#### Model 680



Application Side Jamb Mounted Frame Portion Handed

NOTE: Specification & Template information is available upon request for all of the pivots shown above. Pivot options include painted & plated finishes, 3/4", 1-1/2" & 1-3/4" Offsets, Extended Spindles, Security Screws and approved Fire Rated units.

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# **Sentinel Door Controls**





### **Intermediate Offset Hung Pivots**

#### Model 119



#### Application Full Mortise Handed BHMA/ANSI NO: C07382

### Model ML19



Application Full Mortise Lead-Lined, Heavy or High Traffic Doors Handed BHMA/ANSI NO: C07311

#### **Model M19**



Application Full Mortise Handed BHMA/ANSI NO: C07321/C0731

#### **Model FA19**



Application Full Mortise Asylum or High Security Applications Handed BHMA/ANSI NO: C07361

#### Model M190



Application Heavy-Duty Full Mortise Handed BHMA/ANSI NO: C07321

#### Model 219



Application
Half Surface
Handed
BHMA/ANSI NO: C07331

#### Model M19 x 1-1/2"



Application Full Mortise Handed BHMA/ANSI NO: C07321

#### Model 319



Application Half Mortise Handed BHMA/ANSI NO: C07341

#### Model 419



Application Full Surface Handed BHMA/ANSI NO: C07351

NOTE: Specification & Template information is available upon request for all of the pivots shown above. Intermediate Pivot options include painted & plated finishes, 3/4", 1-1/2" & 1-3/4" Offsets, Load & Non-Load Bearing, Security Screws and approved Fire Rated units.

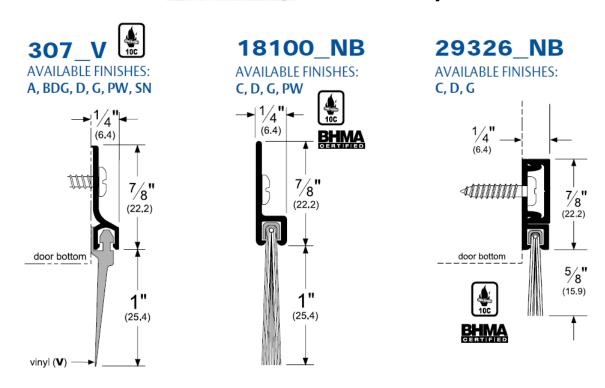
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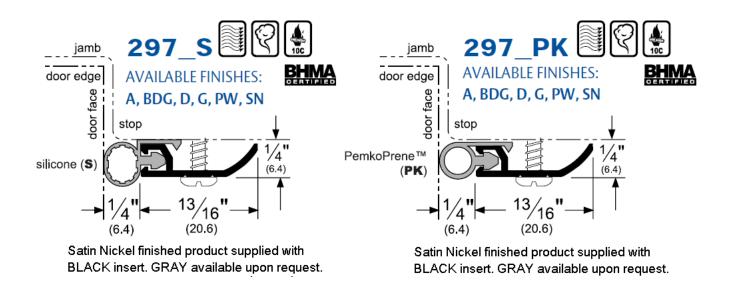
### **Sentinel Door Controls**



### **PEMKO** Door Sweeps



### **PEMKO** Weatherstripping



For a complete listing of Pemko Products visit **www.Pemko.com**, www.sentineldoor.com, or call your Sentinel Sales Representative.

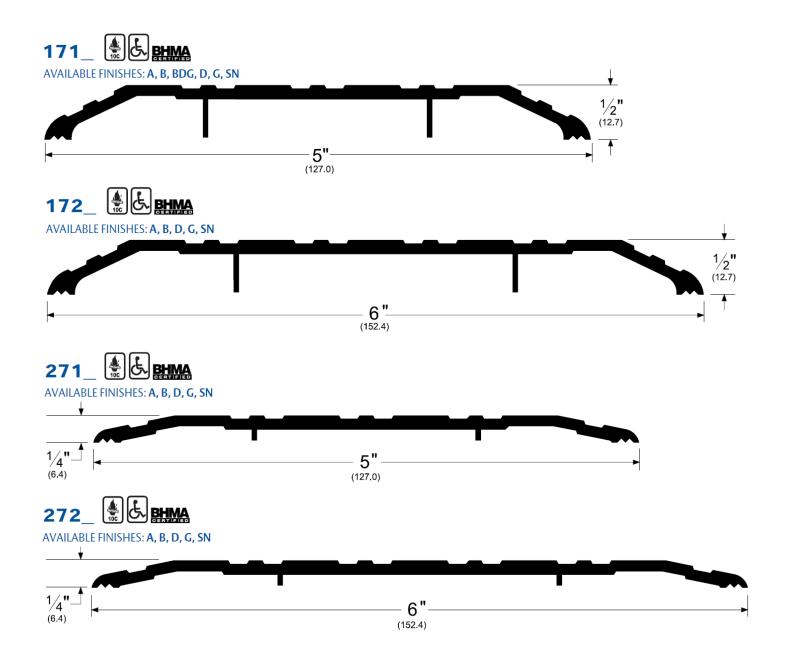
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### **Sentinel Door Controls**



### **PEMKO** Saddle Thresholds



For a complete listing of Pemko Products visit **www.Pemko.com**, www.sentineldoor.com, or call your Sentinel Sales Representative.

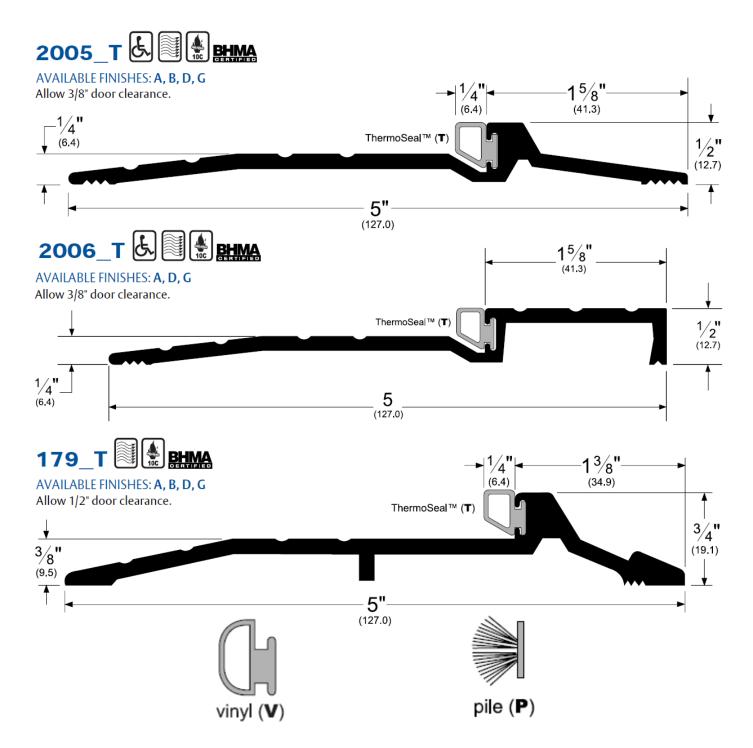
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### **Sentinel Door Controls**



### **PEMKO** Saddle Thresholds



For a complete listing of Pemko Products visit **www.Pemko.com**, www.sentineldoor.com, or call your Sentinel Sales Representative.

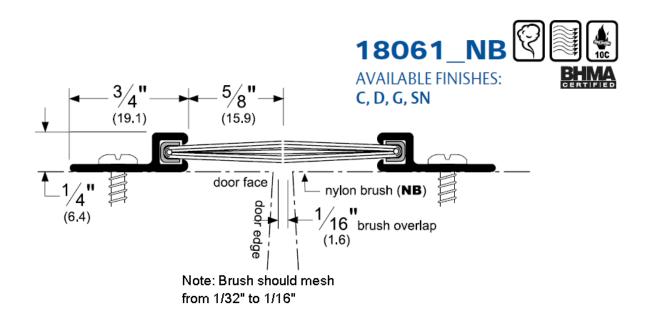
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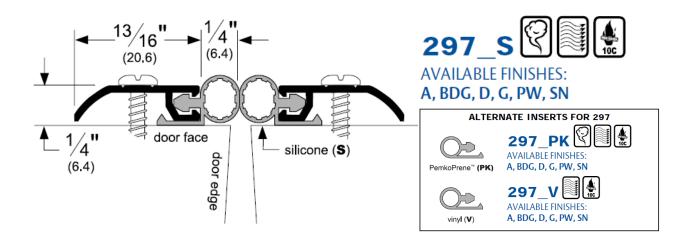


### **Sentinel Door Controls**



### **PEMKO** Astragal & Meeting Stile





For a complete listing of Pemko Products visit **www.Pemko.com**, www.sentineldoor.com, or call your Sentinel Sales Representative.

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### **Sentinel Door Controls**



### **PEMKO** Ratings & Certifications Legend



**Fire UL10B** - Products indicated by this symbol are classified as *GASKET MATERIAL FOR USE* ON LISTED STEEL FRAMES AND CLASSIFIED HOLLOW METAL STEEL COMPOSITE TYPE FIRE DOORS RATED UP TO AND INCLUDING 3 HOURS, WOOD COMPOSITE TYPE FIRE DOORS RATED UP TO AND INCLUDING 1-1/2 HOURS AND WOOD CORE FIRE DOORS RATED 20 MINUTES WITHOUT HOSE STREAM. These products have been tested to the requirements of UL10B and NFPA 252



**Fire UL10C** - Products indicated by this symbol are classified as GASKET MATERIAL FOR USE ON LISTED STEEL FRAMES AND CLASSIFIED HOLLOW METAL STEEL COMPOSITE TYPE FIRE DOORS RATED UP TO AND INCLUDING 3 HOURS, WOOD COMPOSITE TYPE FIRE DOORS RATED UP TO AND INCLUDING 1-1/2 HOURS AND WOOD CORE FIRE DOORS RATED 20 MINUTES. These products have been tested to meet the requirements of UL 10B and UL 10C, Fire Tests of Door Assemblies, UBC 7-2 Fire Tests of Door Assemblies Part 1-1997, and NFPA 252 with the neutral pressure plane regulated at 40".

These products meet the requirements for Category J - Gaskets. Some products may have specific requirements attached to the approvals. Contact Pemko for details on individual product approvals



**Intertek Testing (Warnock Hersey) -** Products indicated by this symbol have been tested for fire resistance by Intertek Testing Services and are covered under a follow-up services program



**Skid Resistant** - PemKote<sup>™</sup> is a rugged abrasive finish of nickel-aluminum composite which is fused to the metal surface by an exothermic reaction. This process produces an aesthetically pleasing skid resistant coating with extremely high bond strength and excellent resistance to oxidation. Pemkote<sup>™</sup> carries a TEN (10) YEAR GUARANTEE, and is available on all Pemko metal thresholds. Pemko highly recommends the use of Pemkote<sup>™</sup> for all Barrier-Free Modular Ramps, and as a durable, economical alternative for cast abrasive products. For corrosive applications, request sealant for extra protection.

Pemko's skid resistant surfaces have been tested to UL410 and meets the requirements of ASTM D 2047 and Federal Speccification P-F-430C.



**Smoke - UL1784 -** Products indicated by this symbol have been tested in accordance with UL 1784-2001*Air Leakage Tests of Door Assemblies*, and meet the performance criteria for allowable air leakage as specified in NFPA 105-99 *Installation of Smoke Control Door Assemblies*.

These products meet the requirements for category H - Smoke Seals



**Sound - ASTM E90 -** Products indicated by this symbol have been acoustically tested in accordance with ASTM E 90-04 *Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions*, and ASTM E 1408-91 *Standard Test Method for Laboratory Measurement of Sound Transmission Loss of Door Panels and Door Systems*. Contact Pemko for recommended SoundSeal Systems.



**Underwriters Laboratory** - Products indicated by this symbol have been tested for fire resistance by Underwriters Laboratory and are covered under a follow-up services program.

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### **Sentinel Door Controls**



### **PEMKO** Ratings & Certifications Legend



**Air Infiltration** - Products indicated by this symbol have been air infiltration tested in accordance with the requirements of ASTM E-283 *Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors* 



**Barrier Free** - Products indicated by this symbol are access compliant by having installed height differences not over 1/2" with allowable edge and slope conditions. All ramp products have ADA compliant 1:12 slopes: **Pemko Modular Ramp Thresholds** (*Ramps Section*), **Rubber Ramp Thresholds** (*Ramps Section*), and **Recycled Rubber Ramps** (*Ramps Section*). Contact Pemko for recommended **BarrierFree Systems**.

These products meet the requirements of ADAAG-1998 (Amended), ICC/ANSI A117.1-2003, and California Building Code, Title 24



**BHMA** - Products indicated by this symbol have been voluntarily submitted to rigid third party testing and follow-up audits to confirm that these products fully and continuously meet or exceed the requirements of their respective ANSI/BHMA Standards. These products are listed in the BHMA Directory of Certified Products, published annually and available for purchase from BHMA. They are also posted and frequently updated on the BHMA web site at <a href="https://www.buildershardware.com">www.buildershardware.com</a>.

These products meet the requirements of ANSI/BHMA A156.21-2006 Standard for Thresholds, ANSI / BHMA A156.22-2005 Standard for Door Gasketing Systems, or ANSI / BHMA A156.26-2000 Standard for Continuous Hinges.



**Edge Seals - Fire UL10C** - Products indicated by this symbol are classified as *GASKET MATERIAL FOR USE ON LISTED STEEL FRAMES AND CLASSIFIED HOLLOW METAL STEEL COMPOSITE TYPE FIRE DOORS RATED UP TO AND INCLUDING 3 HOURS, WOOD COMPOSITE TYPE FIRE DOORS RATED UP TO AND INCLUDING 1-1/2 HOURS AND WOOD CORE FIRE DOORS RATED 20 MINUTES. These products have been tested to meet the requirements of UL10B and UL10C, Fire Tests of Door Assemblies, UBC 7-2 Fire Tests of Door Assemblies Part I-1997 and NFPA 252 with the neutral pressure plane at 40".* 



These products meet the requirements for Category G - Edge Seals. Specific requirements for these products are attached to the approvals. Contact Pemko for individual product approvals

**Fire UL - 76Y2** - Products indicated by this symbol are listed as *CONTINUOUS HINGES FOR USE ON HOLLOW-METAL, METAL-CLAD, COMPOSITE (STEEL, WOOD AND PLASTIC OVERED), SHEET METAL AND WOOD CORE TYPE FIRE DOORS AS INDICATED IN THE INDIVIDUAL LISTINGS*. These products have been tested and meet the requirments of UL 10B and UL 10C, Fire Tests of Door Assemblies, UBC 7-2 Fire Tests, Part 1-1997 and NFPA 252 with the neutral pressure plane at 40

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### **Sentinel Door Controls**



### **IMPORTANT NOTES**

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### **Sentinel Door Controls**

## **Continuous Hinges**



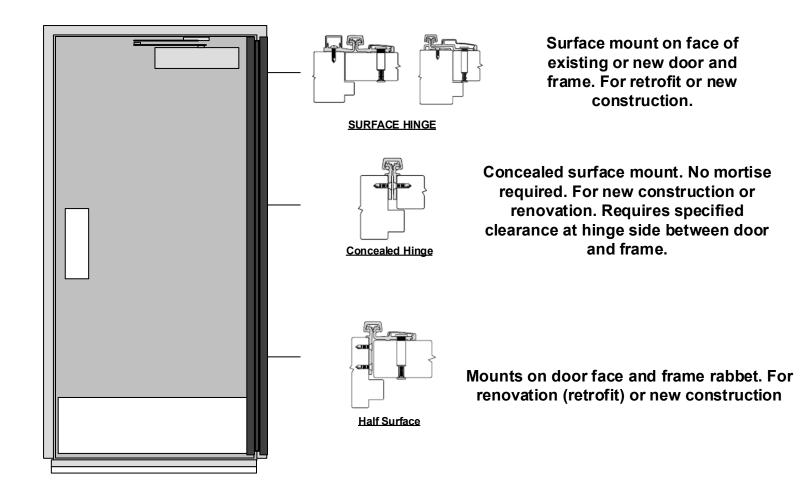
# **Sentinel**Door Controls, LLC.

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#### **ANATOMY OF CONTINUOUS HINGES**



Sentinel carries a wide variety of Continuous Hinge products from industry leading companies. If you can not find the product that you are looking for please give us a call and your local Sentinel representative will be happy to help you find the part you require.

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### **Sentinel Door Controls**



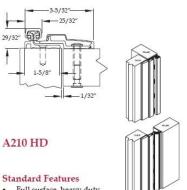
### **Continuous Hinges**





#### Aluminum Continuous Geared Hinges

#### **Full Surface**



- Full surface, heavy duty
- No door inset, flush mount
- Swing clear application
- 48" door width maximum
- 450 lbs. door weight maximum
- Fasteners: 12-24 x 7/8" undercut self-drilling, thread-forming tek machine screws for frame and ¼-20 sex bolts and shoulder bolts for door
- Standard lengths: 79", 83", 85", 95" and 120"
- Finishes: Clear, dark bronze and black anodized
- Fire Rating
  - Approved for use on metal swinging type fire doors rated up to and including 90 minutes (Specify "FR" option for 3 hour rating)
  - Approved for use on wood swinging type fire doors rated up to and including 60 minutes (Specify "FR" option for 90 minute rating)

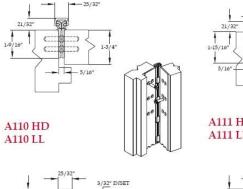
# -23/32" 21/32"

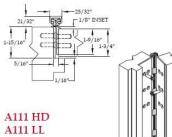
#### A570 HD

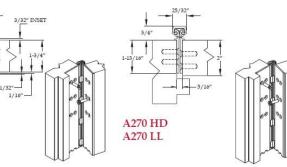
#### Standard Features

- Full surface, heavy duty
- 1/16" door inset
- For narrow-faced frames
- 48" door width maximum
- 450 lbs. door weight maximum
- Fasteners: 12-24 x %" undercut self-drilling, thread-forming tek machine screws for frame and ¼-20 sex bolts and shoulder bolts for door
- Standard lengths: 79", 83", 85", 95" and 120"
- Finishes: Clear, dark bronze and black
- Fire Rating
  - Approved for use on metal swinging type fire doors rated up to and including 90 minutes (Specify "FR" option for 3 hour rating)
  - Approved for use on wood swinging type fire doors rated up to and including 60 minutes (Specify "FR" option for 90 minute rating)

#### **Full Concealed**







#### Full Concealed

Both hinge leaves are concealed between the rabbet of the frame and the door.

• Both door and frame leaves are provided with 12-24 x %" self-drilling, thread forming tek screws (wood screws provided upon request)

#### **Standard Features**

- Continuous hinges alleviate most common alignment problems such as door binding and sagging by evenly distributing the weight throughout the entire door and frame
- Provides extra security by eliminating the gap between the door and the frame; thus, disallowing the ability to pry the opening.
- All hinges are surface applied no mortising of the door or frame required
- ABH hinges are anodized after machining
- Will cover old butt hinge cut-outs
- All hinges are heavy duty at standard duty prices
- Heavy duty 83" hinge has 32 bearings (3" spacing on center)
- Meets or exceeds ANSI 156,26, Grade 1
- Templated hole patterns for standard length hinges keep consistency over time.
- Standard Finishes Clear anodized, dark bronze anodized and black anodized
- Door reinforcement: None required
- Frame reinforcement: None required for doors up to 200 lbs., For doors more than 200 lbs., 16 gauge channel required

ABH provides a limited lifetime warranty on its hinges for the lifetime of the door opening.

All electrified modifications have a five year limited

#### Fire Rating

All ABH aluminum geared hinge models (except A130) have been tested and certified by UL® (U.S.A. and Canada) for up to and including a 3-Hour Fire Listing on all 4'0" x 10'0" doors.

- For use on metal swinging type fire doors rated up to and including 90 minutes (Specify "FR" option
- For use on wood swinging type fire doors rated up to and including 60 minutes (Specify "FR" option for 90 minutes)

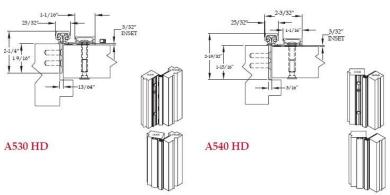
#### Half Surface

1-15/16

5/16

A240 HD

A240 LL



#### Half Surface

Frame leaf is concealed between the rabbet of the frame and the door; and, the door leaf is mounted to the face of the door.

- Door leaf is provided with
  - 1/4-20 sex bolts and shoulder bolts
  - 12-24 x %" pan head self-drilling tek screws (locator holes)
  - Center punches for installation ease
- Frame leaf is provided with 12-24 x %" self-drilling, thread forming tek screws (wood screws provided upon request)

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### **Sentinel Door Controls**

### **Continuous Hinges**







### SELECT Advantages



#### Up to 100% Recycled Content

Made from up to 100% pre-consumer recycled aluminum. Reduces environmental impact and qualifies for LEED points.

An exclusive SELECT benefit.



#### Lifetime Lubrication

Eliminates the need for periodic maintenance. Quiet performance. Fights gear cap wear. An exclusive SELECT benefit.



#### Coated Fasteners

Provide additional corrosion protection with either self-drilling, thread-forming (SDTF) or thread-forming (TF) screws.

An exclusive SELECT benefit.



#### Pair-Matched™ Hinge Leaves

Manufactured together, machined together and anodized together, making SELECT Hinges fit your doors better and last longer. An exclusive SELECT benefit.



#### **Consistent Templating**

Hole pattern is identical on both Standard and Heavy Duty models, so SELECT hinges line up precisely for easier and faster installation.

An exclusive SELECT benefit.



#### **Anodized After Machining**

Delivers superior wear, durability and life. Inhibits corrosion. Few hinge makers follow SELECT's lead in using this superior manufacturing process.

#### Load/Frequency Rating

For 1-3/4" doors except where noted; 48" maximum door width.

#### **GEARED**

#### Standard Duty (SD):

up to 200 lb., medium frequency

#### Heavy Duty (HD):

up to 200 lb., high frequency up to 400 lb., medium frequency

up to 600 lb., low frequency

#### Heavy Duty (LL):

up to 1,000 lb., low frequency

#### **PIN & BARREL**

up to 400 lb., medium frequency up to 600 lb., low frequency

#### Fire Rating

All SELECT Hinges (excluding Toilet Partition models) have been



UL® tested and certified to Fire Rating Standards UL10B, UL10C and UBC 7.2 (positive and negative pressure) in the U.S. and Canada.

#### **GEARED**

SELECT geared hinges have been UL® tested for up to 90 minutes without fire pins or studs.

#### Tipit™ anti-ligature hospital tip increases safety



Make rooms safer and meet legal requirements by retrofitting doors with the new SELECT Tipit™ hospital tip. Deters patients or inmates from harming themselves by hanging objects from the hinge.

#### For use in:

- Hospitals
- Correctional facilities
- Schools
- Other institutions

SELECT ELECTRICALLY MODIFIED GEARED	CONCEALED					WIDE THROW	SWING CLEAR	HA SUR		FULL SURFACE					
CONTINUOUS HINGES	SL11	SL14	SL18	SL24	SL26	SL27	SL31	SL38	SL44	SL48	SL40	SL41	SL53	SL54	SL57
Electric Power Transfer Prep [EPT]	~	~	~	~	~	~	~		~	~			~	~	
Exposed Electric Contacts [EC]	~	~	~	~	~	~					~	~			
Exposed Electric Monitor Switch [EMS]	~	~	~	~	~	~	~	~	~	~	~	~			
Concealed Through-Wire [CTW]	~	~	~	~	~	~									~
Concealed Adjustable Magnetic Monitor Switch [CMG]	~	~	~	~	~	•	~	~	•	~	~	~			





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### **Sentinel Door Controls**

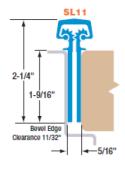




#### CONCEALED

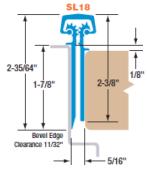
Concealed surface mount. No mortise required. For new construction or renovation.

Requires 5/16" clearance at hinge side between door and frame.



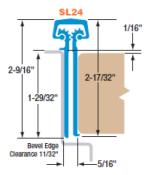
#### SL11 SD/HD/LL

Flush mounted (no door inset). Alignment stop on each leaf.



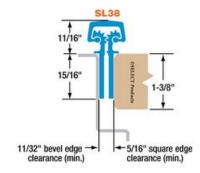
#### SL18 SD/HD/LL

1/8" door inset. Beveled frame leaf allows for weather-stripping. Ideal for storefront applications.



#### SL24 SD/HD/LL

1/16" door inset. Door edge protector. Frame leaf covers previous butt hinge preps.

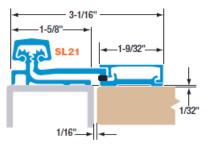


#### SL38 SD

Fits 1" to 1-3/8" doors. Flush mounted (no door inset)

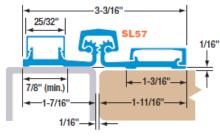
#### **FULL SURFACE**

Surface mount on face of existing or new door and frame. For retrofit or new construction.



#### SL21 SD/HD

1/32" door inset. Swing clear action. Tamper-resistant, removable door leaf cover.

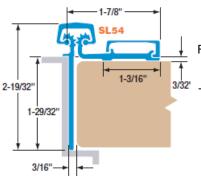


#### SL57 SD/HD

1/16" door inset, center pivot. Fits narrow (7/8") frame face. Tamperresistant, removable door leaf cover.

#### HALF SURFACE

Mounts on door face and frame rabbet. For renovation (retrofit) or new construction.

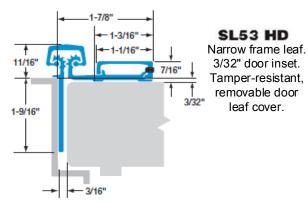


#### SL54 HD

3/32" door inset.
Frame leaf covers
previous butt
hinge preps.
Tamper-resistant,
removable door
leaf cover.

#### **HALF SURFACE**

Mounts on door face and frame rabbet. Yer renovation (retrofit) or new construction.



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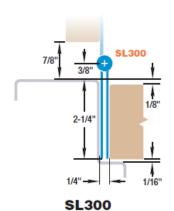
### **Sentinel Door Controls**



### **Continuous Hinges**

#### CONCEALED

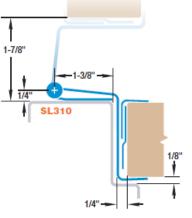
Concealed surface mount.
No mortise required.
For doors up to 600 lb.



Our best selling stainless steel hinge. 1/8" door inset.

#### **SWING CLEAR**

Provides maximum clearance. For doors up to 600 lb.

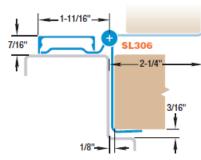


Stainless steel. Door guard protects door at hinge edge. Adjusta-Screw™ fasteners included.\*

**SL310** 

#### HALF SURFACE

Mounts on door face and frame rabbet. For doors up to 600 lb.

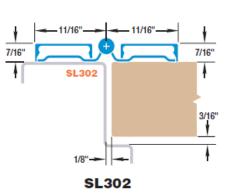


**SL306** 

Stainless steel half mortise hinge. Tamper-resistant door leaf cover. Door guard.

#### **FULL SURFACE**

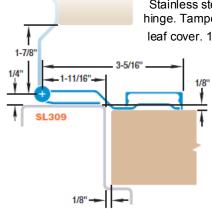
Surface mount on face of existing or new door and frame. Suitable for retrofit or new construction.



Stainless steel flush mount hinge. Tamper-resistant door leaf cover.

### SL309

Stainless steel half mortise hinge. Tamper-resistant door leaf cover. 1/8" Door quard.



Call or visit our Web site for complete hinge specifications.

#### \*ADJUSTA-SCREW™ FASTENERS

Available on SELECT pin & barrel door guard models, Adjusta-Screw<sup>™</sup> fasteners help you square doors accurately and easily in new or retrofit installations by adjusting to correct frame fit variances up to 3/8" along the entire length of the door.





Sweets 6



COMSENSE INC



tectonic





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### **Sentinel Door Controls**



### Roton Continuous Geared Hinges



#### Center Hung Hinges

#### Door of any Material - Heavy Duty

Heavy Duty for high frequency center hung doors or heavy medium frequency center hung doors.

#### 780-300 HD

Clearance: Fasteners: Length Options: Door Reinforcement:

Frame Reinforcement:

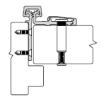
Special Features:

1/32" (1 mm) minimum recommended between door and frame

Dril-Kwik® screws Standard and Custom

None required to 200 lbs. Heavier weight use 16 gauge channel None required to 200 lbs. Heavier weight use 16 gauge channel

- For center hung door application
- 3/4" (19 mm) minimum inset



#### Half Surface Hinges

#### Door of any Material - Standard and **Heavy Duty**

Standard Duty for medium frequency doors. Heavy Duty for high frequency doors or heavy medium frequency doors.



780-053 780-053 HD

Clearance:

5/32" (4 mm) minimum recommended hinge side plus standard

lockside clearance

Fasteners:

Dril-Kwik® screws and Sex bolts

Length Options: Door Reinforcement: Standard and Custom None required

Frame Reinforcement:

None required to 200 lbs. Heavier weight use 16 gauge channel Up to 3 hr. metal and 90 min, wood composite (with studs) Fire Rating:

- Special Features: Frame leaf alignment rib for proper hinge location
  - · Security molding
  - 1/8" (3 mm) inset

#### Full Surface Hinge



#### Door of any Material - Standard and **Heavy Duty**

Standard Duty for medium frequency doors. Heavy Duty for high frequency doors or heavy medium frequency



780-157 780-157 HD

Clearance:

1/32" (1 mm) minimum recommended for hinge side plus

standard lockside clearance

Fasteners: Dril-Kwik® screws and Sex bolts

Length Options: Standard and Custom

Door Reinforcement: None required

Frame Reinforcement: None required to 200 lbs. Heavier weight use 16 gauge channel Fire Rating: Up to 3 hr. metal and 90 min. wood composite (with studs)

Special Features: • For surface applications where frame face dimension is limited

- · Security moldings
- 1/16" (1.5 mm) inset



#### Full Surface Hinge

#### Door of any Material - Standard and **Heavy Duty**

Standard Duty for medium frequency doors. Heavy Duty for high frequency doors or heavy medium frequency doors.



780-210 780-210 HD

1/32" (1 mm) minimum recommended for hinge side plus standard lockside clearance. 15/8" (41 mm) minimum frame face required plus 3/16" (5 mm) rotational clearance

Fasteners:

Dril-Kwik® screws and Sex bolts

Length Options:

Standard and Custom

None required

Door Reinforcement: Frame Reinforcement:

None required to 200 lbs. Heavier weight use 16 gauge channel Up to 3 hr. metal and 90 min. wood composite (with studs)

Fire Rating: Special Features: • Can be used with any door and frame material

- · Security molding
- 1/32" (1 mm) inset

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### **Sentinel Door Controls**



### Roton Continuous Geared Hinges



#### Concealed Hinges



#### Door of any Material - Standard and **Heavy Duty**

Standard Duty for medium frequency doors, Heavy Duty for high frequency doors or heavy medium frequency



#### 780-110 780-110 HD

Length Options:

Fire Rating: Special Features:

5/16" (8 mm) hinge side plus standard lockside clearance

Dril-Kwik® screws Standard and Custom

Door Reinforcement: None required to 200 lbs. Heavier weight use 16 gauge channel Frame Reinforcement: None required to 200 lbs. Heavier weight use 16 gauge channel Up to 3 hr. metal and 90 min. wood composite (with studs) Frame and door leaf alignment ribs for proper hinge and door location





780-112 HD 780-112 LL

Clearance: Fasteners: Length Options: Door Reinforcement: Frame Reinforcement:

5/16" (8 mm) hinge side plus standard lockside clearance Dril-Kwik® screws

Door of any Material - Standard and

Standard Duty for medium frequency doors. Heavy Duty

for high frequency doors or heavy medium frequency

Standard and Custom

Concealed Hinges

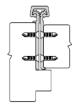
**Heavy Duty** 

780-112\*

None required to 200 lbs. Heavier weight use 16 gauge channel None required to 200 lbs. Heavier weight use 16 gauge channel Fire Rating: Up to 3 hr. metal and 90 min. wood composite (with studs)

- Special Features: Lead lined model for hospital x-ray room doors with double row of screws to straddle lead (Specify "LL")
  - · Frame and door leaf alignment ribs for proper hinge and door location

#### Concealed Hinges



#### Door of any Material - Standard and Heavy Duty - 13/4" Thick Doors

Standard Duty for medium frequency doors. Heavy Duty for high frequency doors or heavy medium frequency doors





Fire Rating:

Clearance: 5/16" (8 mm) hinge side plus standard lockside clearance

Length Options: Standard and Custom

Door Reinforcement: None required to 200 lbs. Heavier weight use 16 gauge channel Frame Reinforcement: None required to 200 lbs. Heavier weight use 16 gauge channel Up to 3 hr. metal and 90 min. wood composite (with studs)

- Special Features: Lead lined model for hospital x-ray room doors with double row of screws to straddle lead (Specify "LL")
  - Door edge protection lip
  - · Frame leaf alignment rib for proper hinge and door location
  - 3/32" (2 mm) inset





#### Concealed Hinges

#### Door of any Material - Standard and **Heavy Duty**

Standard Duty for medium frequency doors. Heavy Duty for high frequency doors or heavy medium frequency doors.

780-111 780-111 HD 780-111 LL

Clearance: Fasteners: Length Options:

5/16" (8 mm) hinge side plus standard lockside clearance Dril-Kwik® screws

Standard and Custom

Door Reinforcement: None required to 200 lbs. Heavier weight use 16 gauge channel Frame Reinforcement: None required to 200 lbs. Heavier weight use 16 gauge channel Fire Rating: Up to 3 hr. metal and 90 min. wood composite (with studs)

- Special Features: Lead lined model for hospital x-ray room doors with double row of screws to straddle lead (Specify "LL")
  - · Frame and door leaf alignment ribs for proper hinge and door location
  - 1/8" (3 mm) inset

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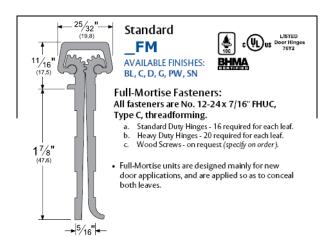
### **Sentinel Door Controls**

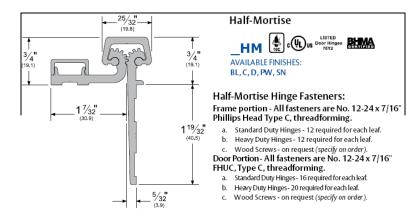


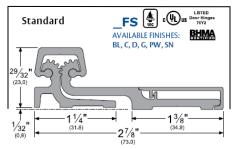
### **Continuous Hinges**

### What is PemkoHinge<sup>™</sup>?

Unlike a conventional hinge, PemkoHinge™ does not have a pin. PemkoHinge is not like a piano hinge, which has 50% of each knuckle cut away, and depends on a thin wire to hold the leaves together. PemkoHinge™ consists of two full-height, paired and geared leaves. Each geared leaf rotates evenly from top to bottom riding on Delrinæ-Teflonæ bearings. The geared leaves and bearings are held together by a full-length channel cap. This assembly retains the smooth, clean lines of the door and frame, while easily supporting heavy vertical loads.







#### Standard Full-Surface Hinge

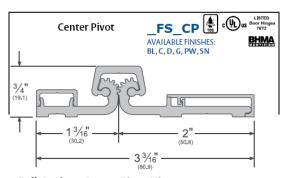
Full-Surface units are designed mainly for retrofit work, and are applied to the exposed surfaces of the door and frame.

#### **Full-Surface Fasteners:** Frame Portion - No. 12-24 x 7/16", FHUC, Type C, threadforming.

- Standard Duty Hinges 10 required for each leaf.
- Heavy Duty Hinges 12 required for each leaf.
- Wood Screws on request (specify on order).

#### Door Portion

- a. Thru-bolt 1/4-20 x 1-5/8".
  - Standard Duty Hinges 4 required.
  - Heavy Duty Hinges 4 required.
- Shoulder Bolt 1/4-20 x 1" PCH. 1) Standard Duty Hinges - 4 required.
- Heavy Duty Hinges 4 required.
- Pan Head Self Drilling No. 12 x 3/4".
- Standard Duty Hinges 6 required.
- 2) Heavy Duty Hinges 6 required.
- SMS 10 x 1-1/2" Truss Head Screw.
- Standard Duty Hinges 6 required.
- 2) Heavy Duty Hinges 6 required.



#### **Full-Surface Center Pivot Hinge**

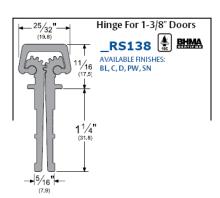
- Full-Service Center Pivot units are designed mainly for retrofit work and are applied to the exposed surfaces of the door and frame
- Full-Service Center Pivot units easily replace butt hinges since no door or frame adjustments are necessary and are more versatile with restricted frame faces

#### **Full-Surface Center Pivot Fasteners:** Frame Portion - No. 12-24 x 7/16", Phillips Head Type C, threadforming.

- Standard Duty Hinges 12 required for each leaf. Heavy Duty Hinges 12 required for each leaf.
- Wood Screws on request (specify on order).

#### Door Portion

- Thru-bolt 1/4-20 x 1-5/8\*
- 1) Standard Duty Hinges 4 required. Heavy Duty Hinges - 4 required.
- Shoulder Bolt 1/4-20 x 1' PCH.
- 1) Standard Duty Hinges 4 required. Heavy Duty Hinges - 4 required.
- Pan Head Self Drilling No. 12 x 3/4"
- 1) Standard Duty Hinges 6 required.
- 2) Heavy Duty Hinges 6 required.



#### Full-Mortise Residential Hinge For 1-3/8" Door Fasteners: All fasteners are No. 12 x 1-1/2", Flat Head SMS.

- a. Standard Duty Hinges -8 required for each leaf - 79' 10 required for each leaf - 83"
- Heavy Duty Hinges not available.
- Wood Screws on request (specify on order).

NOTE: All RS series hinges are excluded from the "Life of the Opening" guarantee, and instead carry a 10 Year Warranty.

PemkoHinge™ products are GUARANTEED FOR THE LIFE OF THE OPENING against defects in material or workmanship with the exception of RS, AL and aluminum Grade 3 hinges which carry a 10 year warranty.

For a complete list of available PemkoHinge<sup>™</sup> products please visit: www.pemko.com



### Best Products! Best Selection! Best Customer Service! **Sentinel Door Controls**

### **Overhead Stops and Holders**



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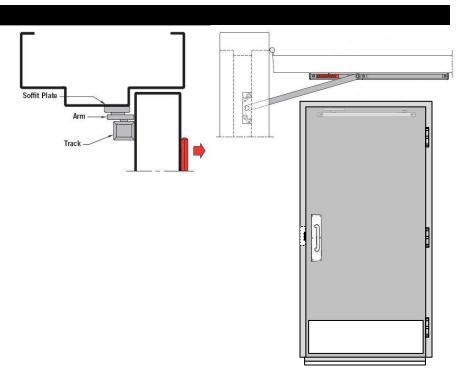




### **Anatomy of Overhead Stops**

#### **Surface Mounted**

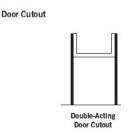
Surface mounted stop/holder installations require preparation of the push side door face and stop. The track is surface applied to the door face and the soffit bracket is secured to the stop. It does not require mortising the door or the frame. Surface mounted stops/holders can only be used on single-acting doors.

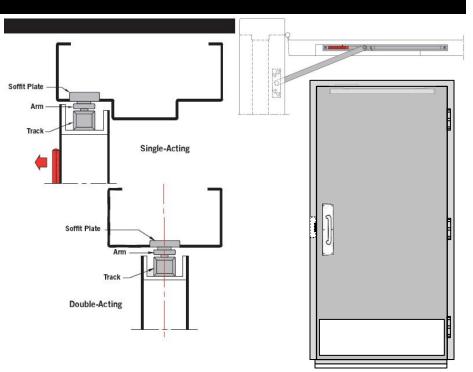


#### **Concealed Mounted**

Concealed mounted stop/holder installation requires mortising the door and frame. The track is installed in the mortise on the top edge of the door. The soffit plate is installed in a mortise in the frame. Concealed mounted stops/holders can be used on single- and double-acting doors. Single-acting doors require a cutout in the push face. Double-acting doors require cutouts in both faces of the door.







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### **Sentinel Door Controls**





Heavy-duty overhead door holder and stop for exterior, vestibule or interior doors, single acting



# 9000 SERIES SURFACE MOUNTED



#### STANDARD FEATURES

- For all Stainless Steel Components Prefix N
- Non-handed/reversible
- Single point hold-open in increments of 5° from 85° to 110°
- Hold-open knob can be disengaged to act as a stop only
- 5° to 7° shock compression following hold-open point
- Steel shock absorbing spring
- Die cast end block and shock block
- Maximum opening 110°, minimum door thickness 1 3/4"
- Wood, machine screws and sex bolts included
- Available in all BHMA plated and sprayed finishes
   SPECIFY ANGLE JAMB BRACKET 90541 FOR HINGE SIDE OR FLUSH TRANSOM MOUNTING

DOOR FRAN	HOLDER NUMBER			
BUTTS OFFSET PIVOTS	CENTER HUNG	HOLD- OPEN	STOP	FRICTION
28" - 29 15/16"	30" - 33 15/16"	9011	9021	9031
30" - 31 15/16"	34" - 35 15/16"	9012	9022	9032
32" - 35 15/16"	36" - 38 15/16"	9013	9023	9033
36" - 39 15/16"	39" - 40 15/16"	9014	9024	9034
40" - 41 15/16"	41" - 44 15/16"	9015	9025	9035
42" - 43 15/16"	45" - 46 15/16"	9016	9026	9036
44" + Greater	47" + Greater	9017	9027	9037
BHMA NUMBER		C02511	C02541	C02531
FED. SPEC TYPE		1161	1161A	-

Contact ABH for special templating or other door opening Average weight/unit 6 lbs.

#### SPECIFICATIONS:

Stop only function to be Warnock Hersey listed as manufactured by ABH.

#### Material:

bronze/steel/stainless steel; channel 3/32" thick and 1 1/8" depth; arm 1/4" thick and 1" wide; jamb bracket 1/4" thick and 1" wide; sliding block shall have easy access for tension adjustment.

#### STAINLESS STEEL SPECIFICATIONS:

All parts stainless steel as manufactured by ABH.



WHEN ORDERING, please list:

#### Model number

Door closer number or other hardware

Mounting means of the door and butt size

Hold-open or dead-stop degree

Door opening and thickness

Finish

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### **Sentinel Door Controls**





Heavy-duty overhead door holder and stop for exterior, vestibule or interior doors, either single or double acting



# 1000 SERIES



#### STANDARD FEATURES

- For All Stainless Steel Components Prefix N
- Non-handed/reversible
- Single point hold-open in increments of 5° from 85° to 110°
- Hold-open knob can be disengaged to act as a stop only
- 5° to 7° shock compression following hold-open point
- Steel shock absorbing spring
- Die cast end block and shock block
- Maximum opening 110°, minimum door thickness 1 3/4"
- Both wood and machine screws included
- Available in all BHMA plated and sprayed finishes

DOOR FRAM	HOLDER NUMBER				
BUTTS OFFSET PIVOTS	CENTER HUNG	HOLD- OPEN	STOP	FRICTION	
27" - 29 15/16"	30" - 32 15/16"	1011	1021	1031	
30" - 35 15/16"	33" - 38 15/16"	1012	1022	1032	
36" - 39 15/16"	39" - 42 15/16"	1013	1023	1033	
40" - 43 15/16"	43" - 46 15/16"	1014	1024	1034	
44" + Greater	47" + Greater	1015	1025	1035	
BHMA NUMBER		C01511	C01541	C01531	
FED. SPEC TYPE		1160	-		

Contact ABH for special templating or other door opening Average weight/unit 6 lbs.



Model number

Door closer number or other hardware

Mounting means of the door and butt size

Hold-open or dead-stop dearee

Door opening and thickness

Finish

#### SPECIFICATIONS:

Stop only function to be Warnock Hersey listed as manufactured by ABH.

Material:

steel or stainless steel channel 3/32" thick and 1 1/8" depth; arm 1/4" thick and 1" wide; jamb bracket 1/4" thick and 1" wide; sliding block shall have easy access for tension adjustment.

#### STAINLESS STEEL SPECIFICATIONS:

All parts stainless steel as manufactured by ABH

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### **Sentinel Door Controls**



### **GLYNN-JOHNSON** - Surface Applied Overhead Stops



#### **Unmatched Convenience:**

- Non-Handed
- Improved Compatibility with Door Closers
- Single-Acting Doors
- Interior/Exterior Applications
- Durable
- Easy to Install
- Improved Corrosion Resistance
- Function Conversion Kits Available

#### 90 Series Heavy-Duty

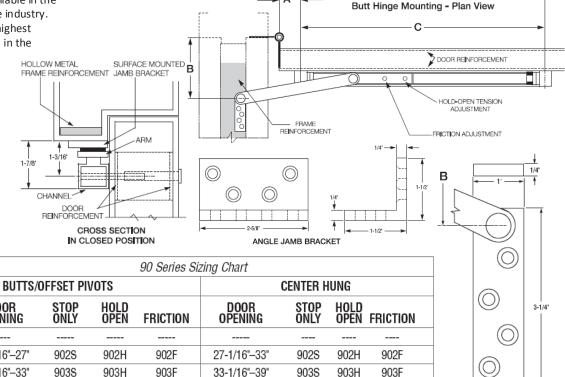
Glynn-Johnson 90 series holders and stops are the most rugged models available for heavy-duty applications. The channel is surface-mounted to the door, most often with sex bolts, and the jamb bracket is surface mounted to the jamb, requiring minimal door and frame preparation. These versatile units can be used in conjunction with most surface-applied door closers. The provided templates allow for variable mounting positions, ranging from 85 degrees to 110 degrees Hold-Open/Stop angle. These templates are designed for installation in almost all types of doors, including doors with conventional butt-type hinges or specialty hinges.

90 Series

#### Materials and Finishes:

In 300 series Stainless Steel, Brass and Steel substrates, these models are available in the largest selection of finishes in the industry. Stainless Steel models offer the highest resistance to corrosion. Available in the following finishes:

**Finish Description US3 Polished Brass US4 Satin Brass** US10 Satin Bronze US10B Oil Rubbed Bronze US32 Polished Stainless Steel US32D Satin Stainless Steel SP4 Powder Coat Brass SP10 Powder Coat Bronze SP28 Powder Coat Aluminum SP313 Powder Coat Dark Bronze SPBLK Powder Coat Black



• Simple Standardized · Each model is available in five sizes 1

Five Sizes:

652 Chrome-like Coating

**DOOR** SIZE **OPENING** 2 23-1/16"-27" 3 27-1/16"-33" 903S 903H 903F 33-1/16"-39" 903S 903H 903F 4 33-1/16"-39" 904S 904H 904F 39-1/16"-45" 904S 904H 904F 5 39-1/16"-45" 905S 905H 905F 45-1/16"-51" 905S 905H 905F 6 45-1/16"-51" 906S 906H 906F 51-1/16"-59" 906S 906H 906F

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### **Sentinel Door Controls**

TEL. 800.327.7848 FAX 888.412.3667 www.sentineldoor.com sales@sentineldoor.com

STANDARD JAMB BRACKET



### **GLYNN-JOHNSON** - Concealed Overhead Stops



#### **Unmatched Convenience:**

- Non-handed
- Improved Compatibility with Door Closers
- Single/Double-Acting Doors
- Interior/Exterior Applications
- Reduced Door Prep
- Durable
- Improved Corrosion Resistance
- Function Conversion Kits are Available.

#### Materials and Finishes:

In Heavy Gauge Brass or 300 Series Stainless Steel, these models offer the broadest range of finishes in the industry, complementing any design and offering the highest resistance to corrosion. Available in the following finishes:

#### **Finishes Description**

**US3 Polished Brass US4 Satin Brass US10 Satin Bronze** US10B Oil Rubbed Bronze US32 Polished Stainless Steel US32D Satin Stainless Steel SP4 Powder Coat Brass SP10 Powder Coat Bronze SP28 Powder Coat Aluminum

SP313 Powder Coat Dark Bronze SPBLK Powder Coat Black

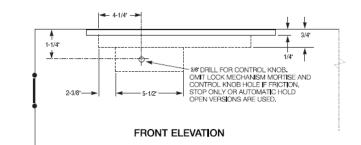
Six Sizes: · Each model comes in six sizes.

• Simple

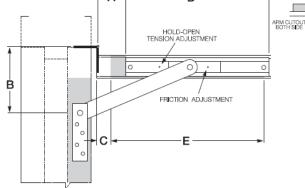
Standardized

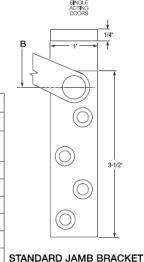
### 100 Series Heavy-Duty

Glynn-Johnson offers a complete line of overhead door holders and stops, accommodating virtually all openings with solutions for even the most complex door control problems. These concealed holders and stops provide the most attractive and reliable heavy-duty door control available. Glynn-Johnson 100 series holders and stops provide the most reliable and versatile concealed overhead door control. They are designed for installation on virtually all types of doors mounted on conventional type butt hinges, pivots, continuous hinges, swing clear hinges and numerous other specialty hinges. When used in conjunction with many surface-applied door closers, 100 series holders and stops provide the most effective control for entrance doors and vestibule doors of all types, as well as heavy or often used interior doors. Templates provided allow for variable mounting positions, ranging from 85 degrees - 110 degrees of opening.



DOUBLE ACTING DOORS





ARM CUTOUT ONE SIDE

	100 Series Sizing Chart							
BUTTS/OFFSET PIVOTS					CENTER HUNG			
SIZE	DOOR OPENING	STOP ONLY	HOLD OPEN	FRICTION	DOOR OPENING	STOP ONLY	HOLD Open	FRICTION
1	18"-23"	101S*	101H*	101F*				
2	23-1/16"-27"	102S*	102H*	102F*				
3	27-1/16"-33"	103S	103H	103F	33-1/16"-39"	103S	103H	103F
4	33-1/16"-39"	104S	104H	104F	39-1/16"-45"	104S	104H	104F
5	39-1/16"-45"	105S	105H	105F	45-1/16"51"	105S	105H	105F
6	45-1/16"-54"	106S	106H	106F	51-1/16"-59"	106S	106H	106F

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### **Sentinel Door Controls**





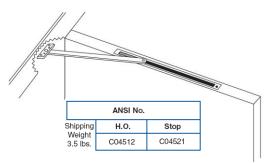
- Concealed Overhead Stops

### Non-Adjustable Standard Duty 5 Series



#### **Product Description & Features**

- Doors may be single or double acting
- Non-handed
- Slide track design
- Recommended for medium-traffic, medium-weight interior doors
- Heavy shock absorber spring provides 5 degree 7degree compression before dead stop
- Complete screw packet allows for installation in wood or metal door and frame
- Torx
   « screws available, but heavy-duty units should be considered for high security applications
- Non-metal slide block and shock block
- 110 degree maximum opening
- Track is 3/4" square tube



#### Door Opening Chart (in inches) Model Number

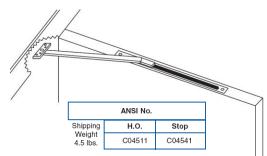
Butts Offset Pivots	Center Hung Pivots	Н.О.	Stop
*18 - 24		5-126	5-136
24-1/16 - 30	27 - 32	5-226	5-236
30-1/16 - 36	32-1/16 - 38-1/2	5-326	5-336
36-1/16 - 42	38-9/16 - 45	5-426	5-436
42-1/16 - 48	45-1/16 - 48	5-526	5-536

\*Butt hung only on this size door.

### Heavy-Duty 6 Series



- Low-profile concealed channel double acting slide track design
- Multi-function unit is shipped as a stop. Can be converted to a hold open in field. 666022-PKG (Adapter kit) included
- Torx « screws available
- Designed for installation in aluminum door webbing
- Non-handed
- Heavy shock absorber spring provides 5 degree 7 degree compression before dead stop
- Complete screw packet allows for wood or metal door and frame
- Standard architectural finishes
- Non-metal slide block
- 110 degree maximum opening
- 1-3/4" minimum door thickness
- For security areas, Torx screws optional
- Track is 1-3/4" wide by 1/2" deep
- ULlisted for stop function



Door Opening Chart (in inches)

Model Number

Butts Offset Pivots	Center Hung Pivots	Н.О.	Stop	Multi
*24 - 28		6-126	6-136	6-146
28-1/16 - 33	30 - 36	6-226	6-236	6-246
33-1/16 - 38	36-1/16 - 41	6-326	6-336	6-346
38-1/16 - 43	41-1/16 - 46	6-426	6-436	6-446
43-1/16 - 48	46-1/16 - 50	6-526	6-536	6-546

\*Butt hung only on this size door.

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### **Sentinel Door Controls**





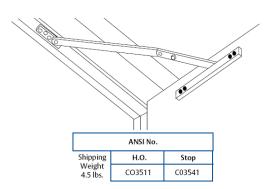
### Surface Applied Overhead Stops

#### Checkmate Stops and Holders Extra Heavy-Duty 8HD Series



#### **Product Description & Features**

- Single acting doors push side mounting (only)
- Non-handed
- Double lever design
- Recommended for high traffic, heavy abuse installations
- Extra heavy shock absorber spring provides 6° compression before deadstop
- Available with stop function or thum bturn hold open
- Complete screw packet with thru-bolts for door, wood and machine screws for frame.
- Torx® screws optional for security applications
- Standard architectural finishes
- 110° maximum opening
- 1-3/4" minimum door thickness
- For flush mounting on the push side of the door use angle jamb bracket adapter 5458 LH 5459RH
- Cannot be mounted on pull side of door
- Stop function UL listed for fire door assemblies
- Hanging means other than standard butts or offset pivots require special templating and pricing. Consult factory



#### Door Opening Chart (in inches)

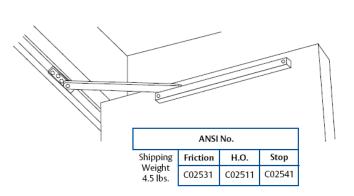
Butts Offset	Center	Model Number			
Pivots	Hung Pivots	H.O.	Stop		
*24 - 27	26 - 29-1/2	8-126	8-136		
27-1/16 - 32-1/2	29-6/16 - 35	8-226	8-236		
32-9/16 - 38-3/4	35-1/16 - 42-1/2	8-326	8-336		
38-13/16 - 42-1/2	41-9/16 - 45	8-426	8-436		
42-9/16 - 48	45-1/16 - 48	8-526	8-536		

### Checkmate Stops and Holders Heavy-Duty 9 Series



#### **Product Description & Features**

- Doors are single acting
- Non-handed
- Slide track design
- Recommended for high traffic, heavy abuse installations
- Heavy shock absorber spring provides 5-7° compression before deadstop
- LS option omits spring for special application
- On/off knob on hold open models
- Stop, friction stay or hold open function
- Complete screw packet with thru-bolts for door, wood and machine screws for frame
- Torx® screws optional for security applications
- Standard architectural finishes
- Durable slider cam and shock block
- 110° maximum opening
- 1-3/4" minimum door thickness
- 1-3/16" square channel
- Stop function UL listed for fire door assemblies
- $\bullet$  For pull side mounting or flush mounting on push side or for rabbeted push side use angle jamb bracket adapter 5458LH or 5459RH
- Hanging means other than standard butts or offset pivots require special templating and pricing. Consult factory



#### Door Opening Chart (in inches)

Butts Offset	Center	Model Number				
Pivots	Hung Pivots	Friction	H.O.	Stop		
*24 - 28	25-1/2 - 30	9-116	9-126	9-136		
28-1/16 - 33	30-1/16 - 36	9-216	9-226	9-236		
33-1/16 - 38	36-1/16 - 41	9-316	9-326	9-336		
38-1/16 - 43	41-1/16 - 46	9-416	9-426	9-436		
43-1/16 - 48	46-1/16 - 50	9-516	9-526	9-536		

 $<sup>^*</sup>$ Butt hung only on this size door. No swing clear hinges.

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### **Sentinel Door Controls**



### Overhead Stops

# ROCKWOOD - Concealed and Surface Applied Overhead Stops

#### **Heavy Duty Concealed 11000 Series**



Material: Stainless Steel

Finishes: US32D (other BHMA finishes are available upon

request)

Fastener: Wood Door Jamb: 4 ea. #14 x 11/2 FH WS

Wood Door: 2 ea. #18 x 21/2 FH WS Metal Door Jamb: 4 ea. 1/4-20 x 3/4 FH MS Metal Door: 2 ea. 5/16 -18 x 11/2 FH MS

Ordering: • Indicate model number, finish, conflicting

hardware, mounting

means of the door, door opening, and thickness.

• All stainless steel components add Prefix N.

**Other:** • For exterior, verstibule or interior single or double acting doors.

• Maximum opening 110 degrees, minimum door thickness 13/4".

**Features:** Hold-open knob can be disengaged to act as a stop only(applies to hold-open function only).

		Door Open	ing			
No.	Function	Butts/Offset Pivots	Center Hung	Weight	ANSI A156.8	
11011	hold open	27" - 29 <sup>15</sup> /16"	30" - 32 <sup>15</sup> / <sub>16</sub> "	5.5 lbs.	CO1511	
11012	hold open	30" - 355/16"	33" - 38 <sup>15</sup> / <sub>16</sub> "	5.7 lbs.	CO1511	
11013	hold open	36" - 39 <sup>15</sup> ⁄16"	39" - 42 <sup>15</sup> / <sub>16</sub> "	5.8 lbs.	CO1511	
11014	hold open	40" - 43 <sup>15</sup> ⁄16"	43" - 4615/16"	6.0 lbs.	CO1511	
11015	hold open	44" + Greater	47" + Greater	6.0 lbs.	CO1511	
11021*	stop only	27" - 29 <sup>15</sup> /16"	30" - 32 <sup>15</sup> / <sub>16</sub> "	5.5 lbs.	CO1541	
11022*	stop only	30" - 355/16"	33" - 38 <sup>15</sup> / <sub>16</sub> "	5.7 lbs.	CO1541	
11023*	stop only	36" - 39 <sup>15</sup> ⁄16"	39" - 42 <sup>15</sup> / <sub>16</sub> "	5.8 lbs.	CO1541	
11024*	stop only	40" - 43 <sup>15</sup> ⁄16"	43" - 4615/16"	6.0 lbs.	CO1541	
11025*	stop only	44" + Greater	47" + Greater	6.0 lbs.	CO1541	
11031	friction	27" - 29 <sup>15</sup> / <sub>16</sub> "	30" - 3215/16"	5.5 lbs.	CO1531	
11032	friction	30" - 35½6"	33" - 38¹⁵⁄₁6"	5.7 lbs.	CO1531	
11033	friction	36" - 39 <sup>15</sup> / <sub>16</sub> "	39" - 42 <sup>15</sup> / <sub>16</sub> "	5.8 lbs.	CO1531	
11034	friction	40" - 43 <sup>15</sup> ⁄16"	43" - 4615/16"	6.0 lbs.	C01531	
11035	friction	44" + Greater	47" + Greater	6.0 lbs.	CO1531	

 $<sup>{}^*\, {\</sup>sf AII}\, concealed\, and\, surface\, mounted\, {\sf STOP}\, {\sf ONLY}\, function\, are\, {\sf Warnock}\, {\sf Hersey}\, listed\, for\, fire\, doors\, .$ 

## Heavy Duty Surface Mounted 19000 Series



Material: Stainless Steel

**Finishes:** US32D (other BHMA finishes are available) **Ordering:** • Indicate model number, finish, conflicting hardware, mounting means of the door, door opening, and

thickness.

• All stainless steel components add Prefix N.

**Other:** • For exterior, vestibule and interior single acting doors.

• Maximum door opening 110th, minimum door thickness 13/4".

\* All concealed and surface mounted STOP ONLY function are Warnock Hersey listed for fire doors.

		Door Open	ing			
No.	Function	Butts/Offset Pivots	Center Hung	Weight	ANSI A156.8	
19011	hold open	28" - 29 <sup>15</sup> / <sub>16</sub> "	30" - 3315/16"	5.5 lbs.	CO2511	
19012	hold open	30" - 31 <sup>15</sup> / <sub>16</sub> "	34" - 3515/16"	5.7 lbs.	CO2511	
19013	hold open	32" - 35 <sup>15</sup> / <sub>16</sub> "	36" - 38 <sup>15</sup> / <sub>16</sub> "	6.0 lbs.	CO2511	
19014	hold open	36" - 39 <sup>15</sup> / <sub>16</sub> "	39" - 4015/16"	6.4 lbs.	CO2511	
19015	hold open	40" - 4115/16"	41" - 44 <sup>15</sup> / <sub>16</sub> "	6.6 lbs.	CO2511	
19016	hold open	42" - 43 <sup>15</sup> / <sub>16</sub> "	45" - 46 <sup>15</sup> / <sub>16</sub> "	6.7 lbs.	CO2511	
19017	hold open	44" + Greater	47" + Greater	6.8 lbs.	CO2511	
19021*	stop only	28" - 2915/16"	30" - 3315/16"	5.5 lbs.	CO2541	
19022*	stop only	30" - 3115/16"	34" - 35 <sup>15</sup> / <sub>16</sub> "	5.7 lbs.	CO2541	
19023*	stop only	32" - 3515/16"	36" - 3815/16"	6.0 lbs.	CO2541	
19024*	stop only	36" - 39 <sup>15</sup> / <sub>16</sub> "	39" - 4015/16"	6.4 lbs.	CO2541	
19025*	stop only	40" - 4115/16"	41" - 4415/16"	6.6 lbs.	CO2541	
19026*	stop only	42" - 4315/16"	45" - 4615/16"	6.7 lbs.	CO2541	
19027*	stop only	44" + Greater	47" + Greater	6.8 lbs.	CO2541	
19031	friction	28" - 2915/16"	30" - 3315/16"	5.5 lbs.	CO2531	
19032	friction	30" - 3115/16"	34" - 3515/16"	5.7 lbs.	CO2531	
19033	friction	32" - 3515/16"	36" - 3815/16"	6.0 lbs.	CO2531	
19034	friction	36" - 39 <sup>15</sup> / <sub>16</sub> "	39" - 4015/16"	6.4 lbs.	CO2531	
19035	friction	40" - 41 <sup>15</sup> / <sub>16</sub> "	41" - 44 <sup>15</sup> / <sub>16</sub> "	6.6 lbs.	CO2531	
19036	friction	42" - 43 <sup>15</sup> / <sub>16</sub> "	45" - 46 <sup>15</sup> / <sub>16</sub> "	6.7 lbs.	CO2531	
19037	friction	44" + Greater	47" + Greater	6.8 lbs.	CO2531	

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### **Sentinel Door Controls**

# **Electric Strikes & Magnetic Locks**

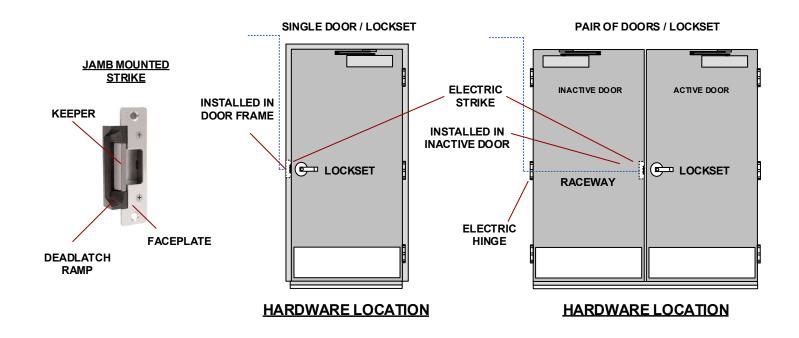


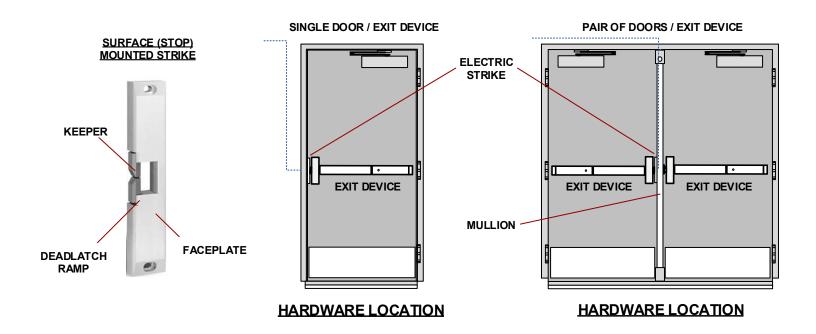
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### **Anatomy of Electric Strikes**





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### **Sentinel Door Controls**

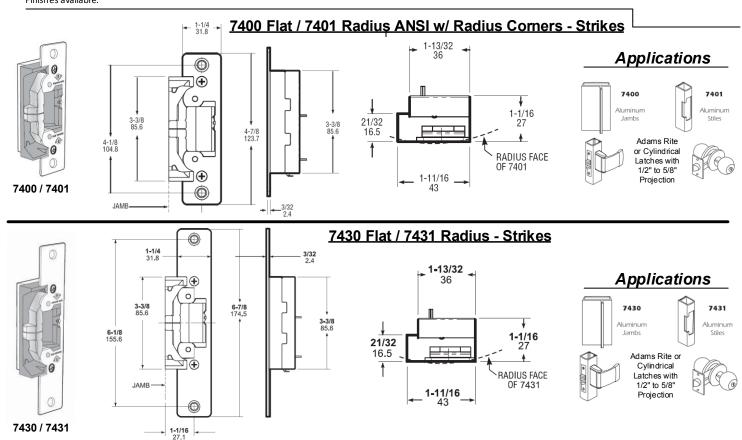




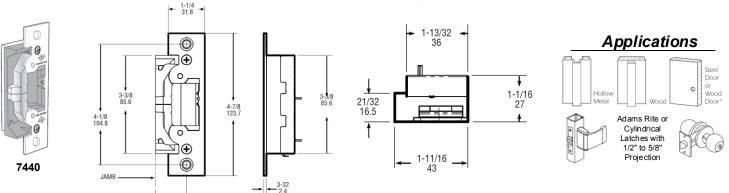
### 7400 Series Electric Strikes - Designed to be Compatible

#### Standard Features

Remote electrical control of any door equipped with an Adams Rite Series 4500/4700/4900 (or similar) deadlatch or "key-in-lever/cylindrical" sets. Electrical actuation unlocks strike jaw, releasing latchbolt so door can be opened without operating latch itself. Extremely compact mechanism fits into aluminum jamb (or opposing door) sections as shallow as 1-1/16". Direct replacement for 7500/7800/7000/7100 series. This non-handed strike features an ultra-compact design and an adjustable stainless steel split-jaw with over 2400lbs. of holding force. The strike releases electrically with up to 35lbs. of door "preload" (pressure exerted on doors by air conditioning systems, warping or misaligned hardware which can disable common electric strikes). Single solenoid operates on 12, 16, or 24 volt AC/DC power. Strikes are equipped with a quick connect plug-in type connector. 130 (628) Clear, 121 (313) Dark Bronze & 119 (335) Black Anodized Finishes available.



#### 7440 Flat ANSI w/ Square Corners - Strike



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### **Sentinel Door Controls**

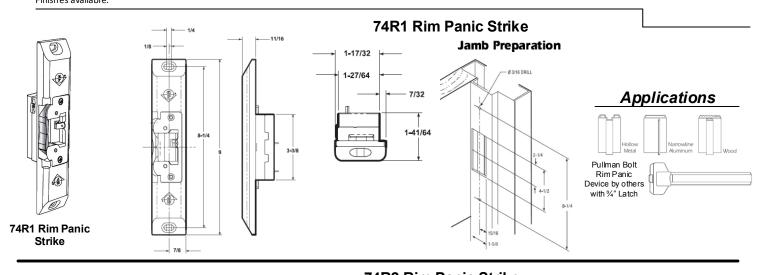


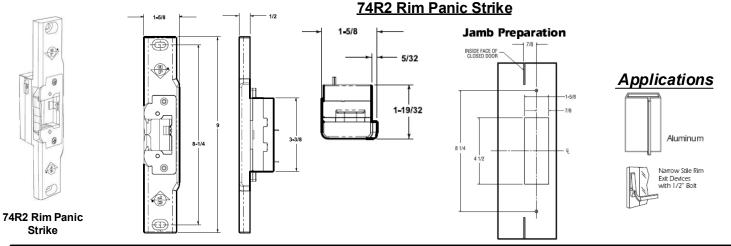


### 7400 Series Electric Strikes - Designed to be Compatible

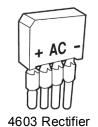
#### Standard Features

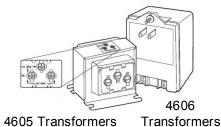
Remote electrical control of any door equipped with an Adams Rite Series 4500/4700/4900 (or similar) deadlatch or "key-in-lever/cylindrical" sets. Electrical actuation unlocks strike jaw, releasing latchbolt so door can be opened without operating latch itself. Extremely compact mechanism fits into aluminum jamb (or opposing door) sections as shallow as 1-1/16". Direct replacement for 7500/7800/7000/7100 series. This non-handed strike features an ultra-compact design and an adjustable stainless steel split-jaw with over 2400lbs. of holding force. The strike releases electrically with up to 35lbs. of door "preload" (pressure exerted on doors by air conditioning systems, warping or misaligned hardware which can disable common electric strikes). Single solenoid operates on 12, 16, or 24 volt AC/DC power. Strikes are equipped with a quick connect plug-in type connector. 130 (628) Clear, 121 (313) Dark Bronze & 119 (335) Black Anodized Finishes available.





#### Options and Accessories for Adams Rite Strikes







**PS-1 Power Supply** 

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### **Sentinel Door Controls**



### **FOLGER ADAM®**

**FLECTRIC DOOR CONTROLS** 

### Heavy Duty, Grade 1, Most Durable Electric Strikes Made



#### Folger Adam History

The Folger Adam Electric Strike design is where it all started. It has proved to be the most durable design made for over 40 years. With a CNC milled faceplate that's part of the electric strikes structure and an investment cast stainless steel mechanism that you can repair, this strike is an investment to insure your investments against external threats. This electric strike was designed originally by the same company that manufactured prison hardware and at one time and was seen as the world leader in commercial / industrial door security products.

#### 700 Series Strike Features

#### Applications

- Model 712 Hollow metal doors & frames used with cylindrical locks having up to 5/8" latch.
- Model 712-75 Hollow metal doors & frames used with cylindrical locks having up to 3/4" latch.
- Model 732 Wood doors & frames OR concrete filled frames with cylindrical locks having up to 5/8" latch.
- Model 732-75 Wood doors & frames OR concrete filled frames with cylindrical locks having up to 3/4" latch.
- Model 742-75 Hollow metal doors & frames used with mortise locks having up to 3/4" latch & no deadbolt.

#### Specifications

- UL 10C, 3 hour single-door fire-rated (fail secure only)
- UL 10C, 3 hour double-door fire-rated (fail secure only)
- CAN4-S104 (ULC-S104) fire door conformant
- UL1034, burglary-resistant listed
- ANSI/BHM A A156.31, Grade 1
- DOD approved
- New York City accepted
- NFPA-252 fire door conformant (NFS Only)
- ASTM-E152 fire door conformant (NFS Only)

#### Electrical

- .29 Amps @ 12VDC continuous duty
- .15 Amps @ 24VDC continuous duty

#### Standard Features

- Tamper resistant, heavy-duty construction
- Constructed entirely of stainless steel for strength and corrosion resistance
- Static strength 1,500 lbs.
- Dynamic strength 70 ft-lbs.
- Endurance 500,000 cycles (742-75)
- Horizontally adjustable keeper to allow for door and

#### frame misa lignment

• Deadlatch tabs included (742-75)

#### Standard Features (continued)

- 1/2" keeper depth (712 and 732)
- 3/4" keeper depth (712-75, 732-75 & 742-75)
- Non-handed
- Fail Secure (standard)
- Plug-in connector
- Five year limited warranty

#### **Optional Features**

- Fail Safe
- LBMLCM Latchbolt & Locking Cam Monitor

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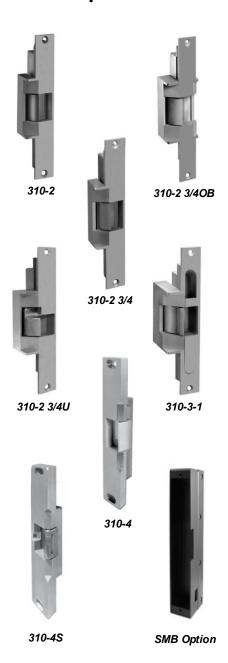
### **Sentinel Door Controls**



### FOLGER ADAM®

### Heavy Duty, Grade 1, Most Durable Electric Strikes Made

### Specialized Strikes for Special Door Hardware Applications



#### 300 Series Strike Features

#### **Applications**

- Model 310-2 Hollow metal doors & frames used with cylindrical locks having up to 5/8" latch.
- Model 310-2 3/4 Hollow metal doors & frames used with mortise locks having up to 3/4" latch.
- Model 310-2 % OB Active wood & metal door on pairs of doors for cylindrical & mortise locks having up to 3/4" latch allowing the strike door to be closed before the door with the lock.
- Model 310-2U Wood & metal doors & frames on single & pair of doors for Unit/Mono Locks.
- Model 310-3-1 Wood or metal doors & frames OR concrete filled frames with mortise locks having a deadbolt up to 3/4" latch & 1" throw deadbolt.
- Model 310-4 Wood & hollow metal frames used with Rim Exit Devices having a 3/4" Pullman Latch.
- Model 310-4S Wood & hollow metal frames used with Rim Exit Devices having a Yale or Corbin Russwin Square Bolt latch.
- Model SMB Option 310-4 & 310-4S mounting bracket for wood & hollow metal pairs of doors used with Yale or Corbin Russwin Rim & Square Bolt latches.

#### Specifications

- UL 10C, 3 hour fire-rated (fail secure only)
- CAN4-S104 (ULC-S104) fire door conformant
- UL1034, burglary-resistant listed
- ANSI/BHM A A156.31, Grade 1
- NFPA-252 fire door conformant
- ASTM-E152 fire door conformant

#### Electrical

- .51 Amps @ 12VDC continuous duty
- .25 Amps @ 24VDC continuous duty

#### Standard Features

- Tamper resistant, heavy-duty construction
- Constructed entirely of stainless steel for strength and corrosion resistance
- Static strength 1,500 lbs.
- Dynamic strength 70 ft-lbs.
- Endurance rating 500,000 cycles
- Integrated shim for quick customization of faceplate thickness (3/4" to 1/2")
- Milled ramps to better accomodate deadlatches
- Set screws for horizontal lockdown
- In-frame horizontal adjustability
- Wider faceplate (1-3/4") for greater versatility
- Non-handed
- Fail Secure (standard)
- Plug-in connector
- Five year limited warranty

#### **Optional Features**

- Fail Safe
- LCBMA Latchbolt & Locking Cam Monitor w/ Auxiliary Switch

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### **Sentinel Door Controls**





### Specialized Strikes for CVR & SVR Exit Devices

#### Specifications

- UL1034, burglary-resistant listed
- ANSI/BHMA A156.31, Grade 1
- DOD approved
- New York City accepted

#### Electrica

- .51 Amps @ 12VDC continuous duty
- .25 Amps @ 24VDC continuous duty

#### Standard Features

- Tamper resistant, heavy-duty construction
- Constructed entirely of stainless steel for strength and corrosion resistance
- Static strength 1,500 lbs.
- Dynamic strength 70 ft-lbs.
- Endurance 500,000 cycles

Fail SafeLCBMA -

frame misalignment

Plug-in connectorFive year limited warranty

**Optional Features** 

• Fail Secure (standard)

Non-handed

• LCBMA - Latchbolt & Locking Cam Monitor with Auxiliary Switch

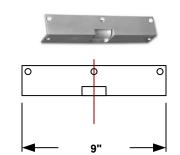
• Horizontally adjustable keeper to allow for door and

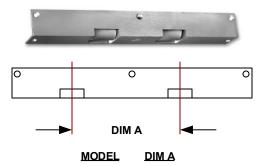
#### Accessories

- 2001 Plug-in bridge rectifier
- 2001-1 Wire-in bridge rectifier
- 2004 ElectroLynxª adapter
- 2005 SMART Pac IITM
- 2006P Plug-in buzzer

#### For CVR Devices

These industrial grade electric strikes are used on a pair of doors (without mullion) which are equipped with concealed, vertical-rod exit devices having a 1/2" or 5/8" throw latchbolt.

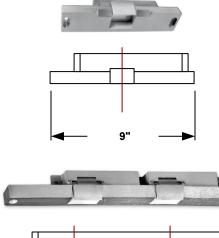




310-6-1 = 4 3/8" 310-6-2 = 5" 310-6-3 = 5 5/8" 310-6-30 = 3"

#### For SVR Devices

These industrial grade electric strikes are used on a pair of doors (without mullion) which are equipped with surface vertical-rod exit devices having a swinging, pullman style latchbolt.



DIM A

MODEL DIM A

310-4-1 = 4 3/8"

310-4-2 = 5" 310-4-3 = 5 5/8" 310-4-30 = 3"

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### **Sentinel Door Controls**





### Grade 1 Electric Strikes for Cylindrical, Mortise & Deadlatch Locksets

#### Specifications & Features

#### Specifications

- UL 10C, 3 hour fire-rated (fail secure only)
- ANSI A250.13-2003 windstorm listed
- UL 1034, burglary-resistant listed
- ANSI/BHM A A156.31, Grade 1
- NFPA-252 fire door conformant
- ASTM-E152 fire door conformant
- MEA New York City accepted
- Florida Building Code approved
- · Patented design

#### Frame application

- Steel
- Aluminum
- Wood

#### Electrical

1006

Series

4500 Series

- .45 Amps @ 12VDC continuous duty
- .25 Amps @ 24VDC continuous duty

#### Standard Features

- Stainless steel construction
- Tamper resistant
- Static strength 3070 lbs. (fail secure)

#### Standard Features (continued)

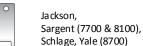
- Dynamic strength 350 ft-lbs. (fail secure)
- Endurance 1,000,000 cycles
- Fail secure (standard)
- Dual voltage 12 or 24VDC continuous duty
- Non-handed
- · Internally mounted solenoid
- Accommodates up to 1" deadbolt
- · Plug-in connector
- Full keeper shims
- Trim enhancer
- · Five year limited warranty

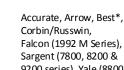
#### **Optional Features**

- Fail Safe
- · LBM Latchbolt monitor
- · LBSM Latchbolt strike monitor
- 27 interchangeable faceplate options Monitor switches may not work with all options

### **Options** Compatible Locks ets:







Corbin/Russwin, Falcon (1992 M Series), Sargent (7800, 8200 & 9200 series), Yale (8800)

#### **Specifications & Features**

#### Specifications

- UL 10C 3 hour fire-rated (fail secure only)
- CAN4-S104 (ULC-S104) fire door conformant
- WHI fire door listed
- ANSI/BHM A A156.31, Grade 1 (#E09321, #E09322, #E09323)
- NFPA-252 fire door conformant
- ASTM-E152 fire door conformant
- California Fire Marshall Listed
- UBC-7-2-94, Uniform Building Code
- Patented design

#### Frame application

- Steel
- Aluminum
- Wood

#### Electrical

- .24 Amps @ 12VDC/AC
- .12 Amps @ 24VDC/AC
- DC continuous duty/AC intermittant duty

#### Standard Features

- Stainless steel construction
- Tamper resistant
- Static strength 3,000 lbs.
- Dynamic strength 70 ft-lbs.
- Endurance 500,000 cycles
- Fail secure (standard)
- Dual voltage 12 or 24 VAC/VDC
- Horizontal adjustment
- Non-handed
- Internally mounted solenoid
- Accommodates up to a 3/4" latchbolt
- Strike body depth 1-3/8"
- · Plug-in connector
- Trim enhancer
- Five year limited warranty

#### **Optional Features**

- LBM Latchbolt monitor
- LBSM Latchbolt strike monitor

#### Accessories

4-7/8" x 1-1/4"

- 4500-105 Trim enhancer BLK
- 4500-110 Replacement strike plate
- 4500-131 Filler block 7/16"
- 2004 ElectroLynx adapter
- 2005 SMART Pac IITM • 2006P - Plug-in buzzer
- 2009P Plug-in LED

NOTE: Relocation of the strike prep may be required for Schlage L Series and Yale 8700 mortise locks. Consult HES customer support regarding use with Best 40 Series.

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### **Sentinel Door Controls**



5200 Series

5900 Series



### Grade 1 Electric Strikes for Cylindrical, Mortise & Deadlatch Locksets

Non-handed

#### **Specifications & Features**

#### Specifications

- UL 1034, burglary-resistant listed
- ANSI/BHMA A156.31, Grade 1
- Patented design

#### Frame application

- Steel
- Aluminum
- Wood

#### Electrical

- .24 Amp @ 12VDC/AC
- .12 Amp @ 24VDC/AC
- DC continuous duty/AC intermittant duty

#### Standard Features

- Tamper resistant
- Static strength 1,500 lbs.
- Dynamic strength 70 ft-lbs.
- Endurance rating 500,000 cycles
- Field selectable fail secure/fail safe
- Dual voltage 12 or 24 VAC/VDC

- 5200-500 Filler block for retro-fit applications
- 2001 Plug-in bridge rectifier

• LBSM - Latchbolt strike monitor

Standard Features (continued)

• Internally mounted solenoid

(3/4" with 1/8" door gap)

• Trim enhancer included

• LBM - Latchbolt monitor

• Five year limited warranty

• Plug-in connector

**Optional Features** 

Accessories

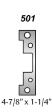
• Strike body depth 1-3/16"

• In-frame horizontal adjustment

• Accommodates 5/8" - 3/4" latchbolt

- 2004 ElectroLynx connector
- 2005 SMART Pac IITM

#### **Options**





radius corners & radius faceplate 503

501B



0 6-7/8" x 1-1/4" radius corners & flat faceplate

### **Specifications & Features**

#### Specifications

- ANSI/BHM A A156.31, Grade 1
- UL 1034, burglary-resistant listed
- · Patented and patent pending

#### Frame application

- Steel
- Aluminum
- Wood

#### Electrical

- .24 Amp @ 12VDC/AC
- .12 Amp @ 24VDC/AC
- DC continuous duty/AC intermittant duty

#### Standard Features

- · No cutting on frame required
- Vertical adjustability to accommodate door sag and misalignment
- Tamper resistant
- Static strength 1,500 lbs.
- Dynamic strength 70 ft-lbs.
- Endurance 500,000 cycles

#### Standard Features (continued)

- Field selectable fail safe/fail secure
- Dual voltage 12 or 24 VAC/VDC
- Non-handed
- · Internally mounted solenoid
- Accommodates 1/2"-5/8" latchbolt (5/8" with 1/8" door gap)
- Strike body depth 1-1/16"
- · Plug-in connector
- · Five year limited warranty

#### **Optional Features**

· LBM - Latchbolt monitor

#### Accessories

- 2001 Plug-in bridge rectifier
- 2004 ElectroLynx<sup>a</sup> adapter
- 2005 SMART Pac II™
- 2006P Plug-in buzzer
- 2009P Plug-in LED

### **Options**





591A

4-7/8" x 1-1/4" radius corners & flat faceplate

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### **Sentinel Door Controls**





### Grade 1 Electric Strikes for Rim Type Exit Devices Specifications & Features



9600 Series 9500 Series

The 9600 series Genesis™ continues to set the standard for surface mounted electric strikes. The 9600 accommodates rim exit devices in metal or wood jambs. The 9600 features an internally mounted solenoid and two stainless steel, independently-operating locking mechanisms. The 9600 is easy to install, with all components encased in the 3/4" thick stainless steel housing, requiring no cuts to the jamb for installation.

#### **Specifications** UL1034 burglary-

- resistant rated • ANSI/BHMA A156.31 Grade 1 (#E09731, #E09732)
- · Patented design

#### **Electrical** (continuous duty)

- .45 Amps @ 12VDC
- .25 Amps @ 24VDC

#### Frame application

- Steel
- Aluminum\*
- Wood



9400

Series

The HES 9400 electric strike is completely surface-mounted with a unique 1/2" slim-line form that is ideal for 1/2" throw rim exit devices in steel, aluminum or wood frames. The product is UL 1034 listed and exceeds ANSI/ BHMA Grade 1 standards. Designed with a smooth new profile, the 9400 series features a cover that conceals the mounting screws and offers a sleek surface for superior looks and added strength.

#### Specifications

- UL1034 burglaryresistant
- ANSI/BHMA, A156.31 Grade 1 (#E09371, #E09372, #E09373)
- Patented design

#### Electrical

- .45 Amps @ 12VDC continuous duty
- .25 Amps @ 24VDC continuous duty

#### Frame Application

- Metal
- Wood

#### **Standard Features**

- · Completely surface mounted
- Stainless steel construction
- Tamper resistant
- · Static strength 1,500 lbs.
- Dynamic strength 70 ft-lbs.
- Endurance 500,000 cycles
- Field selectable fail safe/fail secure
- Dual voltage 12 or 24 VDC
- Horizontal adjustment
- Non-handed
- · Internally mounted solenoid
- Accommodates up to 3/4" pullman latch
- · Five year limited warranty

#### **Optional Features**

- LBM Latchbolt monitor
- · LBSM Latchbolt strike monitor

#### Accessories

- 9500/9600-108 Spacer plate
- 154 MTK Metal Template Kit
- 2001 Plug-in bridge rectifier
- 2004 ElectroLynx<sup>a</sup> adapter
- 2005 SMART Pac IITM
- 2006P Plug-in buzzer
- 2009P Plug-in LED

#### **Finishes**

- 630 Satin stainless steel

- 612 Satin bronze
- 613 Bronze toned

- 605 Bright brass
- 606 Satin brass
- 629 Bright stainless steel

#### Standard Features

- · Completely surface mounted
- One 1/8" spacer plate included
- · Decorative cover for sleek new look
- · Stainless steel construction
- Tamper resistant
- Static strength 1,500 lbs.
- Dynamic strength 70 ft-lbs.
- Endurance 500.000 cycles
- · Field selectable fail safe/fail secure
- Dual voltage 12 or 24 VDC
- · Horizontal adjustment
- Non-handed
- Internally mounted solenoid
- Accommodates up to ½" pullman latch 606 Satin brass
- Five-year limited warranty

#### **Optional Features**

- LBM Latchbolt monitor
- LBSM Latchbolt strike monitor

#### Accessories

9400/9500/9600-108 - Spacer plate

**SMB** - Surface mounting box

2001M - Plug-in bridge rectifier

2004M - ElectroLynx adapter

2005M3 - SMART Pac III™

2006M - Plug-in buzzer

#### **Finishes**

630 - Satin stainless steel

605 - Bright brass

612 - Satin bronze

613 - Bronze toned

629 - Bright stainless steel

For fool-proof installations, add the 2005M3 -SMART Pac III

The 2005M3 SMART Pac III™ is an in-line power control that is able to receive input voltages from 12 to 32V AC or DC. Built-in bridge rectifier. Continuous duty timer reduces initial voltage by 25% to extend the life of the electric strike. Includes built-in resettable fuse, MOV, voltage regulation and input status LED.



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### **Sentinel Door Controls**







15 Series



25 Series



Model 45-4R



Model 45-4S





Model 45-6R



Model 45-A

SDC's lineup of electric strikes is the answer to an economical solution for access control integrators needing an adaptable strike to door hardware with monitoring built in.

### 15 Series Strikes - Features

- For 5/8" latch or 3/4" latch with 1/8" gap
- · Choice of failsafe or fails ecure
- 4.875" (124mm) radius corner
- · All stainless steel parts

**MODELS** 

**15-4F12U** - Failsafe, 12VDC 15-4F24U - Failsafe, 24VDC

• 630 Satin stainless steel face plate

• ANSI A156.31 compliant

Input: 200mA @ 12VDC

Dimensions: 1-1/4" W x 4-7/8" H x 1-1/2" D

15-4S12U - Failsecure, 12VDC 15-4S24U - Failsecure, 24VDC

### 25 Series Strikes - Features

- For 1/2" latch or 5/8" latch with 1/8" door gap
- Latch bolt monitor standard
- Failsecure
- Field reversible for failsafe operation
- Compatible with 5/8" latchbolts
- All stainless steel parts
- 630 stainless steel standard finish
- ANSI A156.31 compliant

**Dual Voltage:** 300/150 mA @ 12/24VDC Latch Status: SPDT, 3 Amp @ 30VDC Dimensions: 1-1/4" W x 4-7/8" H x 1-1/2" D

**MODEL** 

25-4U 4.875" (124mm) Square corner

### 45 Series Strikes - Features

- For 5/8" latch or 3/4" latch with 1/8" gap
- Latch bolt monitor standard
- Keeper closed and deadlocked standard
- Field selectable failsafe fail secure
- Field selectable voltage, 12/24V AC/DC
- 1/4" Horizontal alignment adjustment
- Low profile, 1-1/8" deep

- Plug-in wire connectors
- Mounting tabs
- All stainless steel parts with durable die cast body for corrosion resistance
- Fewer moving parts for maximum life
- 630 stainless steel standard
- ANSI A156.31 compliant

Dual Voltage: 280/140mA @ 12/24V DC Latch Status: SPDT, Dry 3Amp @ 30V (standard) 170/85mA @ 12/24V AC Keeper Closed / deadlocked SPDT, Dry 3Amp @ 30V (standard) Keeper Open Closed Status: SPDT, Dry 3Amp @ 30V

MODEL

45-4S 4.875" x 1.25" (124x32mm) square corner faceplate. Stainless steel finish standard\*

45-4R 4.875" x 1.25" (124x32mm) radius corner faceplate. Aluminum finish standard\*

45-6R 6.875" x 1.25" (175x32mm) radius corner faceplate. Aluminum finish standard\*

**45-7R** 7.937" x 1.25" (202x32mm) radius corner faceplate. Aluminum finish  $standard^*$ 

45-A Included: One 4.875" square corner faceplate. Stainless steel finish standard\*

One 4.875" radius corner faceplate. Aluminum finish standard\* One 7.9375" radius corner faceplate. Aluminum finish standard\*

**Finishes** 

\*Square Corner Stainless Steel Finish N/C \*Radius Corner Faceplates Aluminum Finish N/C 45-4, 45-6, 45-7 Special Finish

U 630 Dull Stainless Steel Y 335 Black Anodized V 628 Dull Aluminum 25.00 H 613 Oil Rubbed Bronze D 606 Dull brass 25.00

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# **Sentinel Door Controls**





# EN 400 Series Electric Strike Pricing

### 400



### **Applications:**

For new or replacement installations in wood or metal jambs. Use with mortise exit devices, mortise locks without dead bolts and cylindrical locksets with up to 7/8" throw, based on 1/8" door gap.

### **Specifications:**

- Face Plate 4-7/8" x 1-1/4"
- Mortise Backset 1-11/16"
- Cavity Depth 7/8"
- · Cavity Width 3/4"

### (Latch Shim Kit Provided)

Cavity Height 1-1/2"

### 430



### Applications:

For new or replacement installations in metal jambs. Use with mortise lock latchbolts with up to 7/8" throw without relocating centerline. Based on 1/8" door gap.

### Specification:

- Face Plate 4-7/8" x 1-1/4"
- Cavity Centerline Offset 1"
- Mortise Backset 1-3/4"
- · Cavity Depth 7/8"
- · Cavity Width 1"

### (Latch Shim Kit Provided)

• Cavity Height 1-1/2"

### 435



### Applications:

For new or replacement installations in metal jambs. Use with mortise lock latchbolts with up to 7/8" throw without relocating the centerline. Based on 1/8" door gap.

### **Specifications:**

- Face Plate 4-7/8" x 1-1/4"
- Cavity Centerline Offset 1"
- Mortise Backset 1-3/4"
- · Cavity Depth 7/8"
- · Cavity Width 1"

(Latch Shim Kit Provided)

• Cavity Height 1-1/2"

### **FEATURES**

- Only one locking mechanism
- Only eight parts
- Fail Secure/fail safe field reversible
- on DC Units\*
- Durability 1,000,000 Life Cycles
- Holding Force 2000 lbs UL Tested
- All Stainless Steel Construction
- Field Adjustable Left or Right Handing\*
- Units install flush with face of the frame

### **STANDARDS**

- UL Listed 10C Fire-rated
- (Class A, 3-hour, single swing door)\*\*
- UL Listed 1034 -
- Indoor/Outdoor Burglary Resistant
- BHMA 156.31 2001, Grade 1
- NYC MFA 79-01-F

### Finishes Available:

Satin Stainless Steel US32D/BHMA630

Bright Brass US3/BHMA632 Satin Brass US4/BHMA667

Satin Bronze US10/BHMA612 US10B/BHMA640 Dark Bronze

Bright Chrome US26/BHMA651

Fail Safe Requests: Add \$15 to List

\*\*Except EN800 & EN 850 \*Except EN430 & EN435

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# **Sentinel Door Contorls**





# **EN 800 & 900 Series Electric Strike Pricing**



800



### **Applications:**

For new or replacement installations in wood or metal single door jambs. Use with surface mounted rim exit devices with up to 1" throw. 3/4" thick face plate.

### **Specifications:**

- Face Plate 9" x 1-11/16 x 3/4"
- Semi-Mortise Backset 1-9/16"
- 45° Beveled Face Plate
- Auxiliary Ramp 3-3/8"
- 1/8" Horizontal Adjustment on Mechanism
- 1/4" Horizontal Adjustment on Face Plate Mounting Holes
- Cavity Depth 1-1/8"
- · Cavity Width 3/4"
- · Cavity Height 1-1/2"

850



### **Applications:**

For new or replacement installations in wood or metal single door jambs. Use with surface mounted rim exit devices with up to 1" throw. 1/2" thick face plate.

### **Specification:**

- Face Plate 9" x 1-11/16 x 1/2"
- Semi-Mortise Backset 1-1/4"
- 45° Beveled Face Plate
- Auxiliary Ramp 3-3/8"
- 1/8" Horizontal Adjustment on Mechanism
- 1/4" Horizontal Adjustment on Face Plate Mounting Holes
- Cavity Depth 1-1/8"
- Cavity Width 3/4"
- Cavity Height 1-1/2"

900 900W



### **Applications:**

For new or replacement installations in metal or wood (900W) jambs. Use with mortise exit devices, mortise locks without deadbolts and cylindrical locksets with up to 7/8" throw. Based on 1/8" door gap.

### **Specifications:**

- Face Plate 9" x 1-3/8"
- · Mortise Backset 2"
- Auxiliary Ramp 3-3/8"
- Cavity Depth 7/8"
- Cavity Width 3/4"
   (Latch Shim Kit Provided)
- Cavity Height 1-1/2"
- 9" Stiffener Plate provided for laminated reinforcement

	ELECTRICAL CHARACTERISTICS				WIRE LEAD	COLOR CODES
Voltage	Current/Amps	Ohms	Sound	Duty	Voltage	Wire Colors
12VAC	.70	4.5	Buzz	Intm	12VAC	(1) Blue, (1) Orange/White
24VAC	.37	18.0	Buzz	Intm	24VAC	(1) Blue, (1) Black/White
12VDC	.28	43.0	Silent	Intm/Cont	12VDC	(2) Orange/White
24VDC	.15	164.0	Silent	Intm/Cont	24VDC	(2) Black/White

### **Finishes Available:**

Dark Bronze

**Bright Chrome** 

Satin Stainless Steel
 Bright Brass
 Satin Brass
 Satin Bronze
 US3/BHMA632
 US4/BHMA667
 US10/BHMA612

Fail Safe Requests: Add \$15 to List

\*\*Except EN800 & EN 850 \*Except EN430 & EN435

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US10B/BHMA640

US26/BHMA651

# **Sentinel Door Controls**





# EN 900 Series Electric Strike Pricing

950



### **Applications:**

For new or replacement installations in metal or wood jambs. Use with mortise exit devices, mortise locks without dead bolts and cylindrical locksets with up to 7/8" throw. Based on 1/8" door gap.

### **Specifications:**

- Face Plate 9" x 1-3/8"
- Mortise Backset 1-11/16"
- Auxiliary Ramp 3-3/4"
- Cavity Depth 7/8"
- Cavity Width 3/4"

### (Latch Shim Kit Provided)

- Cavity Height 1-1/2"
- 9" Stiffener Plate

provided for laminated reinforcement

960



### **Applications:**

For new or replacement installations in metal or wood jambs. Use with mortise exit devices, mortise locks without deadbolts and cylindrical locksets with up to 7/8" throw. Based on 1/8" door gap.

### **Specification:**

- Face Plate 9" x 1-3/8"
- · Mortise Backset 2"
- · Auxiliary Ramp 3-3/4"
- · Cavity Depth 7/8"
- · Cavity Width 3/4"

### (Latch Shim Kit Provided)

- Cavity Height 1-1/2"
- 9" Stiffener Plate provided for laminated reinforcement

**EN-LB** 



FACTORY INSTALLED

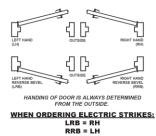
### **Applications:**

- Remote Central station notification
- Local alarm monitoring relay
- Triggering video surveillance & recording systems
- · Active Relay for trap door systems

### **Specifications:**

- Honeywell IR optical sensor
- 4 sensitivity settings for various latch bolt configurations
- Single pole, double throw, Form "C" relay, rated at 1-amp at 12-24 AC/DC
- N/O and N/C relay contacts
- Module power source rating of 12-24VDC
- Current consumption is 0.034 amps at 12VDC & 0.045 amps at 24VDC

DOOR HANDING GUIDE:



How to Order:

Model - Voltage - Finish - Hand EN400 - 12DC - 32D - RH

When Ordering Strikes: LRB=RH RRB=LH

### Finishes Available:

Satin Stainless Steel
 Bright Brass
 Satin Brass
 Satin Bronze
 Dark Bronze
 Bright Chrome
 US32D/BHMA630
 US3/BHMA632
 US4/BHMA667
 US10/BHMA612
 US10B/BHMA640
 US26/BHMA651

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# **Sentinel Door Controls**





# 3000 Series Electric Strike Pricing

The Smallest Strike - 1" Total Backset

3234



### **Applications:**

Smallest Electric Strike in the World

For new or replacement installations in **metal frames**. Use with cylindrical locksets having up to **5/8" throw**, based on 1/8" door gap.

### **Specifications:**

- \* Face Plate 2-3/4" x 1-1/8"
- \* Mortise Backset 1"
- \* Cavity Depth 1/2"
- \* Cavity Width 5/8"
- \* Cavity Height 1 1/8"
- \* ANSI 2 3/4" Standard

### Finish/Function:

- \* LC Models
- \* RS (Fail Safe) Models
- \* Bright Brass
- US3/BHMA605
- \* Satin Brass
- US4/BHMA606
  \* Dark Bronze
- US10B/BHMA640
- \* Satin Chrome
- US26D/BHMA652

3234W



### **Applications:**

For new or replacement installations in wood frames. Use with cylindrical locksets with up to 5/8" throw, based on 1/8" door gap.

### Specification:

- \* Face Plate 3-3/4" x 1-1/4"
- \* Mortise Backset 1"
- \* Cavity Depth 1/2"
- \* Cavity Width 5/8"
- \* Cavity Height 1 1/8"

### Finish/Function:

- \* LC Models
- \* RS (Fail Safe) Models
- \* Bright Brass
- US3/BHMA605
  \* Satin Brass
- US4/BHMA606
- \* Satin Chrome
- US26D/BHMA652

3258



### **Applications:**

80% LESS FRAME CUTTING when compared to typical 4 7/8" electric strike installations.

For new or replacement installations in **aluminum frames**. Use with 4510, 4710 & 4750 Adams Rite dead latches. Replaces 4502 strike plate with slight frame modification.

### **Specifications:**

- \* Face Plate 2-3/4" x 1-1/8"
- \* Mortise Backset 1"
- \* Cavity Depth 1/2"
- \* Cavity Width 5/8"
- \* Cavity Height 1 1/8"

### Finish/Function:

- \* LC Models
- \* RS (Fail Safe) Models
- \* Satin Chrome

US26D/BHMA652

\* Dark Bronze US10B/BHMA640

3458



### **Applications:**

80% LESS FRAME CUTTING. Fills the frame preparation of Adams Rite MS Locks without relocating tabs for 6 5/8" or 6 7/8" electric strikes

For new or replacement installations in **aluminum frames**. Replaces Adams Rite 4730/4501 strike plate with slight frame modification.

### Specifications:

- \* Face Plate 4-5/8" x 1-9/16"
- \* Mortise Backset 1"
- \* Cavity Depth 1/2"
- \* Cavity Width 5/8"
- \* Cavity Height 1 1/8"

MUST SPECIFY LEFT OR RIGHT HAND

### Finish/Function:

- \* LC Models
- \* RS (Fail Safe) Models
- \* Satin Stainless Steel US32D/BHMA630
- \* Dark Bronze US10B/BHMA640

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# **Sentinel Door Controls**





# 3000 Series Electric Strike Pricing

### The Smallest Strike - 1" Total Backset

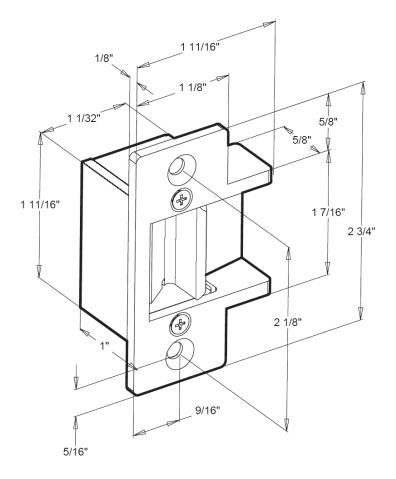
Product	Application	Specifications	Finishes/Function
3478 GRADE 1	60% LESS FRAME CUTTING of Frame Face for ANSI 4 7/8" pre-prep frames. For new or replacement installation in wood, metal or aluminum frames. Use with cylindrical locksets having up to 5/8" throw, based on 1/8" door gap.	* Face Plate 4-7/8" x 1-1/4"  * Mortise Backset 1"  * Cavity Depth 1/2"  * Cavity Width 5/8"  * Cavity Height 1 1/8"  * ANSI A115.1 slight frame modification	* LC Models * RS (Fail Safe) Models * Satin Stainless Steel US32D/BHMA630 * Bright Brass US3/BHMA605 * Satin Brass US4/BHMA606 * Dark Bronze US10B/BHMA640 * Bright Chrome US26D/BHMA652

### **HOW TO ORDER**

Model - Voltage - Finish 3234LC - 12DC - 26D

\*Handing required for 3458 and 3478LO/RO

# 3234 3D Template Cavity Depth 1/2" Cavity Width 5/8" Cavity Height 1-1/8"



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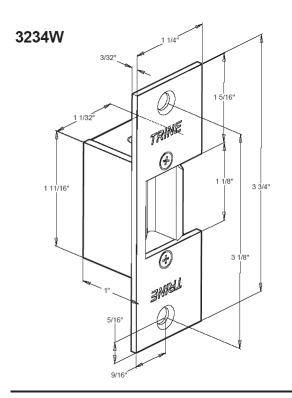


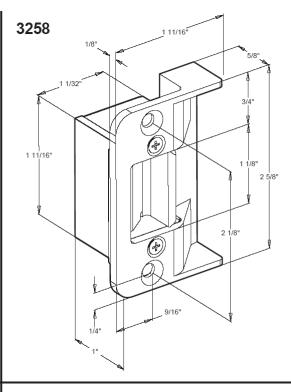
# **Sentinel Door Controls**

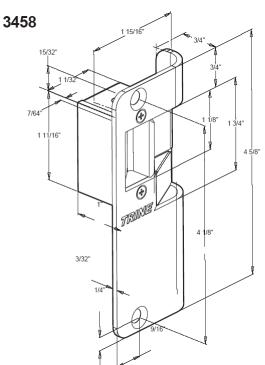


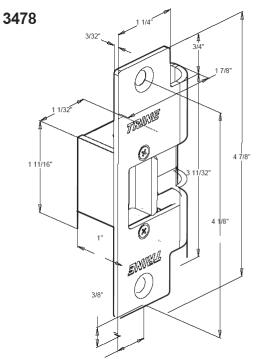


# 3000 Series Templates









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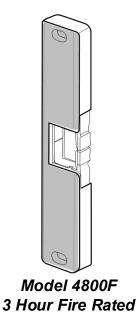


# **Sentinel Door Controls**





## Surface Mounted Electric Strikes for Rim Exit Devices

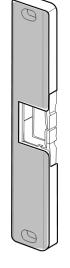


Rim Exit Devices New Applications

(3/4" Thick Faceplate)

### 4800F & 4850 Standard Features

- **FULL SURFACE MOUNT**
- AUTO SENSING 12-24 AC/DC VOLTAGE INPUT
- FIELD SELECTABLE FAIL SAFE/FAIL SECURE
- ANTI-SURGE & KICKBACK STANDARD
- TEMPLATE SPACER
- ADDITIONAL 4 PIN ANCHOR
- 3000 LBS HOLDING FORCE
- 1.5 MILLION CYCLE TESTED
- NON-HANDED
- 1/8" STEEL SPACER INCLUDED
- HORIZONTAL LOCKING PINS
- PLUG-IN CONNECTORS STANDARD
- BHMA GRADE 1



Existing Rim Exit Devices Retro-Fit Applications

(1/2" Thick Faceplate)

Model 4850

### The Retrofit Solution

The NEW Model 4850 for retro-fit applications eliminates the need for repositioning an existing exit device & trim already installed on a door. Most pre-existing hardware conditions will not allow a 3/4" thick electric strike to fit between the device and the frame due to the narrow backset distance. The Model 4850 is only 1/2" thick & has a 1/8" spacer plate to adapt the strike to work in this reduced area between the device & frame with virtually all exit devices.

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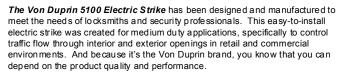
# **Sentinel Door Controls**



# **VON DUPRIN**



JOB SITE VERSATILITY
The Von Duprin 5100 Electric Strike can meet
the application needs of six or more
competitive models for standard installation,
which saves time, money, and labor.



### Versatility:

Fewer products to inventory and more value for your money.

- Three face plates included for hollow metal, wood or aluminum frames.
- Internal 12/24 dual-voltage solenoid.
- · Adjustable keeper.
- Fail-safe/fail-secure selectability.

### Convenience:

The right parts in the box means getting the job done right the first time, every time.

- · Reduce labor expense.
- Fewer return trips to the job site.
- Reduces SKU's.

### Durability:

Developed with Von Duprin's high standards and engineering expertise.

- Heavy-duty construction.
- · Tamper resistant design.
- Tested to over one million cycles.
- 1300 lbs. holding strength.



Von Duprin 6000 Series Electric Strikes are known for their reliability, durability and security.

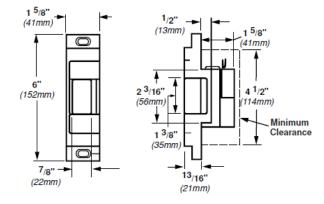
The Von Duprin 6111 Electric Strike was designed for use with rim exit devices on single doors or double doors with mullion applications (hollow metal, aluminum or wood). Designed to replace Von Duprin 3031. Specify if using with 55 rim devices.

### FEATURES:

- Stainless Steel Construction
- · Accepts 3/4" (19mm) Throw Latchbolt
- Six Finishes
- Non-handed
- Fail Secure
- · Horizontally Adjustable
- Plug Connectors

### **OPTIONS:**

- FS (Fail Safe)
- DS or DS-LC (Dual Monitor Switches)
- EB (Entry Buzzer)





Each electric strike kit comes standard with three faceplates, a 12/24 dualvoltage solenoid, fail safe/fail secure selectability and an adjustable keeper.

### Standard Features Benefits

Three faceplates standard No matter the frame type - wood, aluminum or hollow metal - the installer has what's needed in every box to finish the job right - the first time.

12/24 dual-voltage Easily answers the question of 12 or 24 volts DC.

Fail-safe/fail-secure Easily changed in the field in less than thirty seconds. No additional parts are required.

Adjustable keeper Provides a snug fit and reduces pressure from the door on the strike.

Non-handed Can be used for doors opening in either direction.

Backbox depth of 111/16" Reduces the need for additional cutting of the frame and other prep work.

**Keeper depth of 1/2"** Sufficient to accommodate all cylindrical locks up to 5/8" throw and most aluminum narrow stile deadlatches.

**Mounting tabs** For applications where mounting brackets are not provided on the frame.

Retrofit kit Neoprene filler provides a clean finish.

Illustrated installation instructions Increases ease of use and installation.

Tamper resistant design Minimizes unauthorized access.

Warranty Standard Von Duprin 1 year electrical product warranty

warranty Standard von Duprin 1 year electrical product warranty.

Continuous duty operation Solenoid can be continuously powered

Security & Safety



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# **Sentinel Door Controls**





### **UL Listed Electromagnetic Locks**

### BEA's Maglocks offer the ultimate protection for most access control applications.

- Lock status sensor (bond sensor) and visual LED on 600 and 1200 lb models
- Includes adjustable relock time delay (0 90 secs)
- Field selectable 12/24 VDC
- Installation hardware included for typical applications
- Convenient plug-in wire terminals
- Available for single doors and double doors without center mullion



### MAGLOCK TECHNICAL SPECS

10MAGLOCK3UL Single 10MAGLOCK6UL Double





10MAGLOCK1UL Single 10MAGLOCK5UL Double





**HOLDING FORCE** 

**HOLDING FORCE** 

1200 lbs

600 lbs

Note: This product is recommended to be used with a UL-Listed Power Supply

**INPUT VOLTAGE** 

12 or 24 VDC

**INPUT VOLTAGE** 12 or 24 VDC

Note: This product is recommended to be used with a UL-Listed Power Supply

**CURRENT DRAW** 

Single

0.50A @ 12VDC 0.25A @ 24VDC

Dual

1.00A @ 12VDC 0.50A @ 24VDC

Single

0.50A @ 12VDC

0.25A @ 24VDC

Dual

1.03A @ 12VDC

0.52A @ 24VDC

**DIMENSIONS** 

Single

9.84" x 1.85" x 1.02" (250mm x 47mm x 26mm)

Dual

19.76" x 1.85" x 1.02" (502mm x 47mm x 26mm)

**CURRENT DRAW DIMENSIONS** 

Single

10.47" x 2.91" x 1.58" (266mm x 74mm x 40mm)

Dual

20.94" x 2.91" x 1.58" (532mm x 74mm x 40mm) **HOLD TIMER** 0-90 sec

**HOLD TIMER** 

0-90 sec

### Brackets and Accessories for BEA UL Listed Electromagnetic locks



10LZBRMAG3UL (1) 'L' and (1) 'Z' use with 10MAGLOCK3UL



10LZBRMAG1UL (1) 'L' and (1) 'Z'



MAG5LZUL MAG6LZUL (2) 'L' and (2) 'Z'



10FILLER12UL 10FILLER34UL FILLER BAR



Armature Housing

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# **Sentinel Door Controls**





### - Electromagnetic Locks Accessories

### THE FLY



FLY / FLY FRT WITH BLACK HOUSING

FLY WITH WHITE HOUSING



**FLY WITH BLACK** CEILING ADAPTER



**FLY WITH WHITE** CEILING ADAPTER



FLY WITH BLACK SURFACE ADAPTER



**FLY WITH WHITE** SURFACE ADAPTER

### Description

STANDARD FLY - Passive infrared detector for Request to Exit applications - Black or white housing

FLY ERT - Passive infrared detector with Extended Relay Time - Black housing

FLY CEILING ADAPTER - Flush Mounted ceiling adapter - Black or white

FLY SURFACE ADAPTER - Surface Adapter -Black or white

**NOTE: Individual Fly products** are not sold separately

### PART NUMBER KEY

BLK - Standard Fly - Black

WHT - Standard Fly - White

**BLKERT** - Extended Relay Time - Black

FCA - Fly Ceiling Adapter

FSA - Fly Surface Adapter

# **KEYPADS / KEYSWITCHES**



10KEYPADWR



10KEYPAD



10KEYSWITCHMOM 10KEYSWITCHONE



10JAMBSWITCHMOM 10JAMBSWITCHONF

Description

10KEYPADWR - 120 user outdoor, weather resistant, command & control keypad

10KEYPAD - 120 user Indoor command & control keypad

10KEYSWITCHMOM - Momentary Keyswitch -Single Gang (3" x 4¾" x ½")

10KEYSWITCHONF - On / Off Keyswitch -Single Gang (3" x 4¾" x ½")

10JAMBSWITCHMOM - Momentary Keyswitch -Jamb Style (134" x 434" x 1/2")

10JAMBSWITCHONF - On / Off Keyswitch -Jamb Style (1¾" x 4¾" x ½")

# **POWER SUPPLIES**



10PS12-24

10PS12-24D

# **PUSH TO EXIT & PIEZO BUTTONS**



PUSH TO EXIT - TEXT / HANDICAP LOGO

10ACPBSS1 - Push Button - Green Illuminated,

10ACPBSSL - Push Button - Blue Illuminated,

10PIEZO241 - Piezoelectric push button,



10ACPBSS1



10ACPBSSL

10PIEZO241

### Description

10PS12-24 - Altronix power supply 12 VDC / 24 VDC

10PS12-24D - Altronix power supply 12 VDC / 24 VDC

with backup circuit - battery not included

### Best Products! Best Selection! Best Customer Service!



# **Sentinel Door Controls**

Description

"Push to Exit" single gang

single gang - Push to Exit text

Logo only single gang





# **Magnetic Door Holders**

### Model 980



### Model 981



### Model 990



### Model 996



Model 997



Model 993



Model 991



Model 999

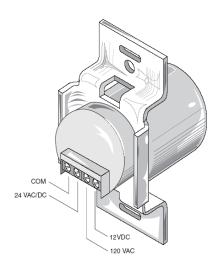


Model 989



Model 998





**Rixson Electromagnets** are designed for virtually any remote door release application. They are primarily used to hold fire and smoke barrier doors open until released by a remote smoke detector or other switching device. The complete assembly consists of an armature contact plate with adjustable pivot mounting for installation on the door, and a heavy-duty electromagnet mounted on the wall or floor behind the door. A separate closing device is required.

### **Features**

- 25 to 40 pounds holding power
- Fail-safe operation; power failure releases door to close
- · Positive Release Button initiates closing motion
- Two-year warranty
- · Multi-voltage on specific coil models
- Magnet protected against transients and surges up to 600 volts (AC models)

### **Code Listings**

- Underwriters' Laboratories, Inc.
- Underwriters' Laboratories of Canada
- California State Fire Marshal
- ANSI/BHMA 156.15

### Installation

- Install where required by code, where doors may be used to confine smoke or fire, or wherever remote control or automatic closing doors are required.
- Be sure door hardware and trim projections are compatible with total projection of door release.
- Anchor the electromagnet firmly since the wall portion will function as a door stop.
- Locate magnet approximately 6 inches in from lock edge of door. Wall magnets should be mounted approximately 2 to 4 feet above the floor for optimum performance.
- Door-mounted contact plate includes hardware for through-bolting or concealed mounting.
- Spotting template included with unit ensures correct alignment.
- 14AWG. Max. Wire Size.

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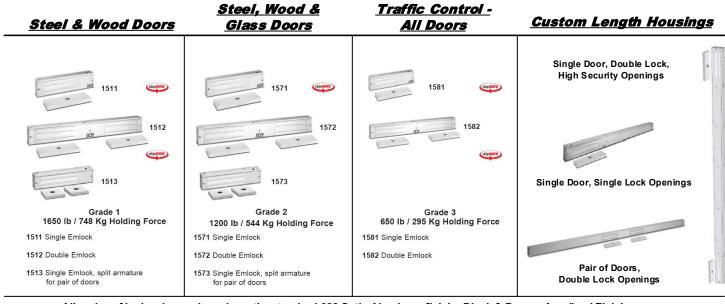


# **Sentinel Door Controls**





# EMLock Series of Electromagnetic Locks



All series of locks shown above have the standard 628 Satin Aluminum finish. Black & Bronze Anodized Finishes, as well as Plated finishes, are also available upon request.

### <u>Options – Internal Monitoring Capability for Security System Connections</u>

NOTE: See Modular Program price list when ordering separately for field upgrades. Different part numbers and pricing apply.

**AT Adjustable Timer** - Built in field adj. 0-30 sec. relock delay. **Specify one for single or double EmLocks** (not available with 1580 series).

DPS Door Position Sensor - Indicates door open and door closed. SPDT Dry, 250 mA @ 30VDC. Specify (2) for double EmLocks.

**BA Magnetic Bond Sensor -** Indicates locked with full holding power and unlocked, low holding power, low voltage, tampering and obstruction between armature and magnetic core.

### Specify (2) for double EmLocks

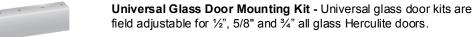
- 1510 & 1570 Series: SPDT Dry, 250 mA @ 30VDC.
- 1580 Series: SPST N.O., Dry, 250 mA @ 30VDC.

L3 Tri-color status LED indicator - Field selectable Red, Green, Amber - Indicates lock energized when wired to lock input. Indicates de-energized/unlocked or "Enter/Go" when wired to built-in TD Module. Indicates energized and de-energized or "Enter/Go" when wired to access control auxiliary output. Indicates door is closed and locked and door is unlocked when wired to BA.

ATS Anti-Tamper Sensor - Indicates access cover removal. SPDT Dry, 1 Amp @ 30VDC



**Top Jamb Mounting Brackets** – Top Jamb Kits available for in-swing door applications.



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# **Sentinel Door Controls**





# Hi/Shear Magnetic Door Locks

Concealed

Semi-Concealed

### Hi/Shear® Magnetic Door Locks

SDC Hi/Shear® magnetic lock utilizes several of the most innovative and unique design attributes. The Hi/Shear is the magnetic lock that gives those who want a better shear lock all the latest features.

The SDC Hi/Shear® is a totally concealed, high security, failsafe locking mechanism with superior appearance. The patented Hi/Shear® electromagnetic lock design incorporates a "floating" armature assembly and special alloy steel locking "tabs" on both the lock and armature assemblies, that may be adjusted both vertically and laterally to compensate for wide door gaps and warped or misaligned doors.

Hi/Shear® magnetic locks are ideal for use on commercial grade hollow metal and wood doors and frames and Herculite doors with top rails.

Hi/Shear® Magnetic Lock Features



The door static sensor ensures that the door is at rest and aligned, before the magnet is permitted to energize, eliminating potential for lock misalignment.

### Lateral Alignment Adjustment



Lateral adjustment of shear tabs to compensate for warped or misaligned doors, permitting accurate locking.

### · Vertical Alignment Adjustment

Vertical adjustment of both the armature and the adjustable delay relock sensor compensates for wide door gaps.

### · "Floating" Assembly

A unique "floating" action makes for easier armature lift when the magnet is energized and provides the ability to overcome wide door gaps.

### 2000 or 2700 Lbs Holding Force

2000 or 2700lbs. of holding force without current inrush or high operating temperature normally associated with shear locks.

### · Alloy Steel Shear "Tabs" on Lock and Armature

Alloy shear tabs are used on both the lock and the armature to ensure continued high holding force. There is no profiling of the soft armature steel that may be prone to wear and reduced holding force.

### Advanced Electronic Circuitry

Surface Mount

Advanced electronic circuitry that incorporates door static, positioning and timed relock sensor and automatic voltage sensing for 12/24VDC input.

### · Quieter Operation

Noise dampeners greatly reduce the noise associated with locking and unlocking of other shear locks on the market.



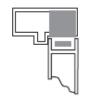




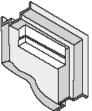
UL10C Positive Pressure Compliant UBC Classified in accordance with Uniform Building Code standard 7-2 "Fire Test for Door Assemblies"

### Models 1561, 1565, 1562, 1566

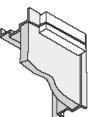




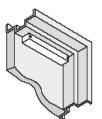
Model 1561S



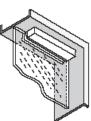
Model 1561TJ



Model 1562SC



Model 1562SCHBD





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# **Sentinel Door Controls**





# Electromagnetic Gate Locks

SDC Gate EmLocks provide 1200 lbs. holding force and enable the access and egress control of pedestrian and vehicle gates. Access controls such as card readers, digital keypads and remote control stations provide gate and lock control.

Gate EmLocks are compatible with manual and automatic, swinging and sliding, tubular and iron gates. The floating armature design compensates for gate misalignment with the electromagnet.

### Weatherized

SDC Gate EmLocks are totally sealed in an epoxy filled stainless steel case. A threaded conduit fitting ensures weather resistant protection of the wiring.

### Safetu or Securitu Application

With no moving parts to bind or wear, Gate EmLocks are inherently failsafe and will unlock automatically during a power outage. For Security applications, the SDC 600 series power supplies with battery backup capability, provide continuous operation for up to 48 hours with just two 12VDC, 7 Amp Hour batteries.

### <u>Features</u>

- Stainless Steel Case
- · Epoxy filled for weather resistance
- Threaded conduit fitting
- Built-in voltage kickback protection
- Low Power consumption

### **Specifications**

Holding Force: 1200 lbs.

Voltage: 250mA @ 12VDC

250mA @ 24VDC 18 AWG 20" long

Conduit Fitting: Length .5"

Outside Thread .75" Inside Thread .5"

Lock: 9.75" L x 2.5"H x 1.5" T Armature: 7.375" L x 2.375" H x .5" T

Case: Stainless Steel



Wire Leads:





### Orderina Information

1 - MODEL:

1575 Standard Mounting Holes 1576 Face Drilled Mounting Holes

2 - SPECIFY VOLTAGE:

12 12VDC 24 24VDC

3 - FINISH:

N Nickel (standard)

4 - OPTIONS

BR64 Full Wave Bridge Rectifier for AC Operation

### **Example**

1	2	3	4
1575	24	N	BR64



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# **Sentinel Door Controls**





# Delayed Egress Magnetic Locks

### Exit Check Integrated Delayed Egress Locks

### Exit Check Delayed Egress Lock Proprietary Features:

- Field selectable voice notification or tone
- Field selectable male voice with security message or female voice with safety message
- Digital countdown display
- Selectable 15 or 30 second exit delay may be permanently field fixed
- Custom exit delay time and voice notification available in English or Spanish or alternating English and Spanish (optional)

### **Application**

### Airport & Public Facility Security & Safety

Control pedestrian traffic in government and public facilities and transportation facilities, including airport jetways and tarmacs.

### **Loss Prevention**

Provide theft protection of merchandise, technology and other valuables such as, art and museum artifacts.

### **Patient and Infant Protection**

Restrict the egress of psychiatric and drug rehab patients, elderly patients in assisted living facilities and restrict the movement of nursery infants for their own safety and security. Typically used on exit doors, when unauthorized egress is initiated, SDC Exit Checket delays egress through the door for 15 or 30 seconds. Meanwhile, the person exiting must wait while personnel or security respond. The door unlocks after 15 seconds have elapsed, permitting egress. A signal from the fire life safety system will release the lock for uninhibited egress in an emergency. 30 second delay available where approved.

### Facility Applications

- Airports
- Convention Halls
- Wholesale Stores
- Retail Stores
- Long Term Care
- Drug Rehab

- Psychiatric Care
- Infant Nurseries
- Museums
- Art Galleries
- Warehouses
- Technology Facility









### <u>Patient Trackina Sustems</u>

The SDC Exit Check is compatible with patient tracking systems, like those used for protection against infant abduction from hospital nurseries, and for the protection of patients in long term care facilities who may be endangered if they leave their care facility without supervision.

### <u> Access Control</u>

Access controls may be utilized for authorized egress or access. Access from the exterior of latching doors requires an additional means of mechanical lock release, such as a mechanical key or electric strike.

### <u>Local Approval</u>

All installations must be approved by the Authority Having Jurisdiction (AHJ).

### Code Compliance

Exit Check models comply with today's building and fire life safety codes.

IBC, International Building Code 1003.3.1.8.2 Delayed Egress Locks

IFC, International Fire Code 1003.3.1.8.2 Delayed Egress Locks

NFPA 101, Life Safety Code 7-2.1.6.1 Delayed Egress Lock

NFPA 1, UFC - Uniform Fire Code

14.5.3.1 Delayed Egress Locks

UBC, Uniform Building Code

1003.3.1.10 Special Egress Control Devices

CBC, California Building Code

1003.3.1.10 Special Egress Control Devices

SBC, Standard Building Code 1012.6 Special Locking Arrangements

**BOCA, National Building Code** 

1017.4.1.2 Special Locking Arrangements

Chicago Building Code

10 (13-160-269) Electro-Magnetic Locking Devices. Certificate of approval available

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# **Sentinel Door Controls**



# **SECURITRON** M-32 600LB Holding Force Magnalock



M-32 Magnalock

Holding Force: 600 lbs. [272 Kg.]

300mA at 12VDC; 150mA at 24VDC

**Current Draw and Voltage:** 

Operating Temperature:

-40 to +140F [-40 to +60] Warranty: MagnaCare Lifetime Replacement Warranty

**Specification Data** 

### **Application**

600 lb. holding force Magnalock with automatic dual voltage. Recommended for applications where physical assault on the door is not expected, like access controlled interior rooms and secure areas within buildings.

### Features and Benefits

- Patented instant release circuit no residual magnetism
- Surface mounts easily with a minimum of tools
- Fully sealed electronics tamper proof and weatherproof
- Mounted using steel machine screws into blind finishing nuts
- Architectural brushed stainless steel finish (US32D/630)
- All ferrous metal surfaces plated to MIL specification
- Hardware accessories available to configure any opening type include mounting brackets, housings and dress covers
- Ten feet [3.05m] of jacketed, stranded conductor
- Also available in Senstat and Face Mount models
- **Dual Voltage**
- **UL Listed**



# M-62 1200LB Holding Force Magnalock



M-62 Magnalock

**Application** 

1200 lb. holding force Magnalock with automatic dual voltage. Recommended for exterior and perimeter doors through which criminals could gain entrance to cause substantial economic loss.

### Features and Benefits

- Patented instant release circuit no residual magnetism
- Fully sealed electronics tamper proof and weatherproof
- Mounted using steel machine screws into blind finishing nuts
- Architectural brushed stainless steel finish (US32D/630)
- All ferrous metal surfaces plated to MIL specification
- Hardware accessories available to configure any opening type include mounting brackets, housings and dress covers
- Ten feet [3.05m] of jacketed, stranded conductor
- Automatic dual voltage no field adjustment required
- Also available in Senstat, Conduit, Double and Face Mount models
- Universal threaded conduit fitting is 1/2" female-3/4" male
- **UL Listed**



**Specification Data** Holding Force: 1,200 lbs. [544 Kg.] **Current Draw and Voltage:** 250mA at 12VDC; 125mA at 24VDC Operating Temperature: -40 to +140F [-40 to +60C] Warranty: MagnaCare Lifetime

Replacement Warranty

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# **Sentinel Door Controls**

# **Controls and Power Supplies**

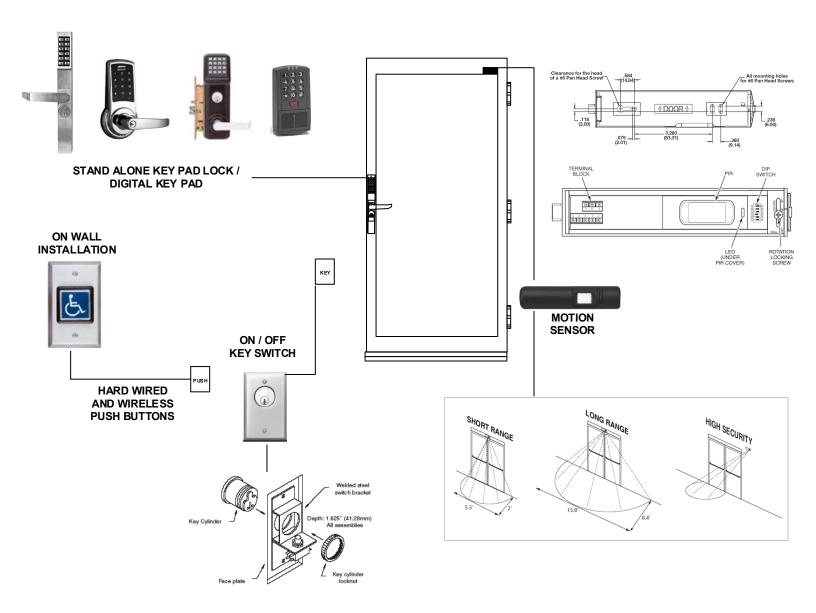


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# **Anatomy of Controls and Power Supplies**



Additional Types of Hardware Found in this Section:



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# **Sentinel Door Controls**



# Alarm Lock

# Alarm Lock's Family of Trilogy Locks & Keypads







**DL3000**Digital Keypad w/ Audit Trail



**DL4100**PIN w/ Privacy
Button Lock



**DL4500**PIN, Prox & Audit
Trail w/ Privacy
Button Lock



PDL3000 PIN, Prox & Audit Trail



PL3000 Prox Only w/ Audit Trail



**DL1200 & PDL1300** 

Narrow Stile Units

w/ PIN, Prox & Audit Trail

DK3000
PIN 12/24 VDC,
Weatherproof,
w/ Audit Trail



PIN & Prox, 12/24 VDC, Weatherproof, w/ Audit Trail



**DL3500**Mortise Lock w/ PIN & Audit Trail



PDL3500 Mortise Lock w/ PIN, Prox & Audit Trail





PIN, Prox & Audit Trail

PIN, Prox & Audit Trail w/ Privacy Button Lock

The complete line of Alarm Lock Trilogy Series is now offered by Sentinel Door Controls. From the basic **DL2700** with PIN Only unit to the combination **DL4500** with PIN/Prox & Audit Trail, the Trilogy line of Stand Alone Access Control is one of the most versatile products on the market today. Select units are also available with REX & External Power connection options. We also stock the **NEW DL1200 & PDL1300** for Narrow Style aluminum door applications. These units are available in several versions that work with virtually all deadbolts, hookbolts and deadlatches. Contact your Sentinel sales representative for information and pricing on the Trilogy line of products.

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# **Sentinel Door Controls**





# **Trilogy Narrow Stile Access Locks**

# Models DL1200, DL1300, PDL1300 PIN and PIN/prox for New & Retrofit aluminum door trim applications



- Field-proven, familiar Trilogy® programming & electronics.
- PIN code and PIN/Prox Models support 100 to 2000 users.
- 40,000 event audit trail in 1300 Series models, provides door usage activity reports at wireless handheld printer, laptop or PC.
- All-metal, vandal-resistant 12-button keypad supports 3-6 digit PIN codes, and multilevel user hierarchy (master, manager, supervisor, basic users).
- Keypad or PC programmable. Quickly and easily add or delete users and enter "passage mode", service codes, group lock-out & group-enable.
- HID Prox ID cards, keyfobs and prox tags supported in PDL-1300 Series models featuring built in Prox reader.
   (High security applications can require use of both PIN code plus Prox ID for access.)
- Real time clock and PC programmable automatic lock/unlock scheduling for 500 events (1300 Series models)
- Wide weatherproof operating range from -31 to 151ºF (-35 to 66C).
- Wireless standalone locks: Long-life, battery- operated; Includes audible and visual low battery alert. (Uses standard off-the-shelf batteries.)
- Non-handed; fully field-reversible.
- Key override; interchangeable cores supported (Corbin/Russwin, Yale, Schlage, Medeco.)
- Mortise Cylinder, 1-1/4" supplied. (Supports 1-1/8, 1-1/4 and 1-3/8").
- Compact styling 14-3/8"H x 1-5/8"D x 1-3/4"W.
- Backsets 31/32",1-1/8" and 1-1/2"; Stile thickness 1-3/4".
- Four attractive standard finishes US26D Satin Chrome, US10B Duronodic, MS Metallic Silver and MB Metallic Bronze.

### Narrow Stile Trilogy Lock models:

- DL1200 Series supports 100 users, fingertip/keypad programmable. (Includes 2 Lithium 3V batteries). Works with
  existing Adams-Rite door hardware.
- DL1300 Series supports 2000 users and includes 40,000 event audit trail and 500 event schedule. Keypad or PC programmable. (Includes 2 Lithium 3V batteries).
- PDL1300 Series supports 2000 PIN or Prox users and includes 40,000 event audit trail and 500 event schedule.
   Keypad or PC programmable. (Includes 2 Lithium 3V batteries).
- KIT ALSO AVAILABLE: Complete electronic and mechanical access retrofit kit including Trilogy electronic narrow stile trim and mechanical Adams Rite 4900 Series dead latch lock (specify either 1 1/8" or 1 1/2" backset for mechanical lock required).

 PRODUCT	STANDARD MORTISE CAMS
HW1344	Corbin-Russwin
HW1346	Marks
HW1348	Arrow& Sargent
HW1349	Schlage

PRODUCT	IC MORTISE CAMS		
HW1345	Corbin-Russwin		
HW1347	Medeco		
HW1350	Schlage		
HW1343	Best		
HW1352	Best housing w/ Cam Attached		

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# **Sentinel Door Controls**





The new **Arrow Revolution** stand-alone touchpad lock combines the functional elements of a cylindrical lockset with the latest technological designed for electronic aesthetic. Dealers will benefit by providing an up to date technological solution that is also quick and easy to install.

Users benefit from a simple interaction with the lock through a voice guided touch keypad, making day-to-day use and programming easy. The **Revolution** is recommended for healthcare facilities, offices, retail environments, multifamily, hospitality, government facilities, as well as K-12 school environments. The **Revolution** provides a traffic control solution for areas requiring restricted access. If necessary, both users and user groups can be easily locked out by the administrator. This feature provides a quick lockout option in case of a security concern.





### Certification:

All Arrow Revolution Stand-alone Touchpad Locks are U.I. and c.U.L listed for use on 3 hour. A label or lesser doors.

- Federal Specification FF-H-106C
- ANSI A117.1 Accessibility Code
- ANSI Series 4000 grade 2, U.L. listed for 2 hour
- California State Reference Code for levers returning to within ½" (12.7mm) of door surface
- Certified ANSI/BHMA A156.2, Series 4000, Grade 2.

### ADA/ Americans with Disabilities Act:

The Arrow Revolution is ADA compatible under the Acceptable Door Hardware: Section 4.13.9

### **Electronic Elements:**

- Stand-alone touchpad access locking device
- Interactive voice-guided programming
- 4 AA batteries
- Optional hardwire input for 9VDC external power
- Request to enter (REX) input allows remote access capability
- 9VDC battery connections for emergency access
- Silent mode option
- Visual verification of pin code programming
- Two operational modes EX mode (9 users) or Advanced Mode (1000 users)
- Lockout Mode
- Passage Mode
- Auto Re-Lock

# 2.81" 71.37 mm OverDrive™ will allow a locked lever to rotate freely without retracting the latch, improving the life and performance of Arrow locksets. 7.63" 183.08 mm 3.65" 92.71 mm

### **Mechanical Components:**

- · UL listed for use on fire doors
- Install locks and latch with only 5 screws
- Optional Key Override Uses standard Arrow cylinders available in AR and CS keyways.
- Also available in small format interchangeable core prep
- Weather resistant
- Field reversible
- Door Prep: Standard 161 prep with one additional ½" hole
- Standard 3 year warranty

### Finish:

Satin Chrome 26D

### **Functions:**

V1-50 Non-Key Override V1-51 Key Override

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# **Sentinel Door Controls**





# MARKSUSA



### No-Nonsense Access Controls Right Out of the Box

### IQ1 Cylindrical Lockset Specifications:

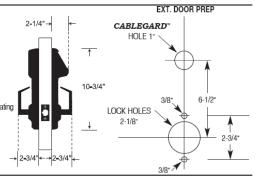
Door Thickness: 1-3/4" standard Handing: Non-handed

Key Override: Marks "G", 6 pin, 2 keys, IC core optional

Lock Body: Cylindrical "Survivor" featuring the "Clutch" for trouble free service

Latch: Grade 2, 2-3/4" backset, 1/2" throw, 3 hr UL fire rating

Strike Plate: 4-7/8" ASA strike



### **Available Finishes**



BLK - Black 26D - Silver

### IQ2 Mortise Lockset Specifications:

Door Thickness: 1-3/4" standard Handing: Field reversible

Key Override: 1-1/8" mortise cylinder, 6 pin, 2 keys

Lock Body: Grade 1, Series 5, 2-3/4" backset,

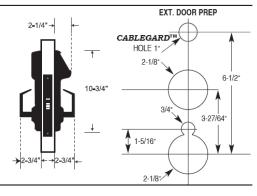
3/4" anti-friction latch, 3 hr UL fire rating

Auxiliary Latch: 1/2" throw

Bolt Throw: 1" with optional function

Clutch: "The Clutch" for trouble-free service

Strike Plate: 4-7/8" ASA std.



### **Exit Device Adaptor Kits**

(Adaptor Kit Required for IQ7)

3800 Series Arrow

**ED5200 Series** Corbin

**Detex** 10 Series

9300 Series Dorma

18R Series Monarch -

Percision - 21 & 2100 Series

8800 Series Sargent -

Von Duprin -88 Series

> Yale 2100 & 7100

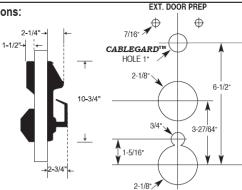
> > **Series**

### IQ7 Rim Exit Device Interface Specifications:

Door Thickness: 1-3/4" standard Handing: Non-handed

Key Override: 1-1/8" mortise cylinder, 6 pin, 2 keys Clutch: "The Clutch" for trouble-free service

Adapter plates operate most manufacturers Rim Exit Devices. Adapter plates for Mounting Exit Devices are sold separately.



### Standard Features

- CableGard™ protects wires for easy installation
- Standard ANSI door prep with one additional hole
- · Pre-programmed code
- 160 User codes
- · Temporary user codes

- · Pin only mode
- Double code entry for maximum security
- 16 Digit tactile metal keypad
- Audible & visible entry indicator
- · Audible low battery alert
- 4 "AA" batteries, 95,000 operations
- Easy installation
- Lifetime Mechanical Warranty; 2 Year Electronic Warranty

- Keypad programmable

- Passage mode
- · Two wire remote release
- · Weatherproof standard

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# **Sentinel Door Controls**





# inTouch® Stand-alone Touchscreen Access Lock ANSI/BHMA Grade 1

### features



### additional features

- · Menu access to voice guided programming available through touchscreen. See page 11 for more information.
- · Pre-programmed voice options: English (default), Spanish or French.
- Visual and tone playback confirmation provides positive reassurance while operating.
- Silent mode available to disable tone playback for use in quiet areas.
- Auto re-lock time default of 5 seconds.
- Keypad Shutdown Deters tampering by disabling the keypad for a default of 180 seconds after five successive wrong code entries.
- · Hardwire capable for external power using remote 9VDC power supply and plug-in wall transformer.
- Remote unlock available for allowing access through switch.
- Weather resistant. Operational in temperatures ranging from -40°F to +140°F (-40°C to +60°C) at 95% relative humidity when used with an external power supply.

### Best Products! Best Selection! Best Customer Service!



# **Sentinel Door Controls**





# E-Plex® 2000



Electronic pushbutton lock eliminates problems and costs associated with issuing, controlling and collecting keys and cards. Verifies exterior access while allowing free egress.

E-Plex 2000 locks are powered by three AA batteries that load into a slide-up battery tray in the outside housing, which eliminates wires through the door and allows for continuous operation up to 100,000 cycles.

Requires no wiring to or through the door-eliminates risk of damage from pinched wires that can result in costly callbacks

### Locking Device Options

- Cylindrical: Cylindrical latch with 3-hour UL/ULC fire
- Rim Exit Device: Compatible with most leading brands of Exit Devices (Exit Device and mounting hardware not included)

### Number of Codes Multiple Users-100 Codes

### Handing

Non-handed; pre-assembled for left-hand door installationseasily changed in the field

### **Audit Trail**

The most recent 1,000 Events are recorded in memory, including the use of mechanical key override. Software is required to view audit Events

### **Programming**

Lock is easily programmed via keypad without removing lock from the door or with optional Microsoft® Excel®-based software

### Key Override (Optional)

- Optional Key-in-Lever cylinder in Schlage "C" Keyway with black Kaba cap
- Small format—Best and equivalent (6 or 7-pin length)

### Operation Modes

- PIN access
- Passage—can be toggled on/off or can be preprogrammed to re-lock after a certain number of hours
- Lockout

### **Authority Levels**

Five different levels allow who has access to specific lock functions, including: Service Codes-programmed for onetime access or "come-and-go" access for 1 to 24 hours

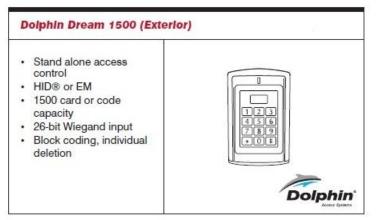
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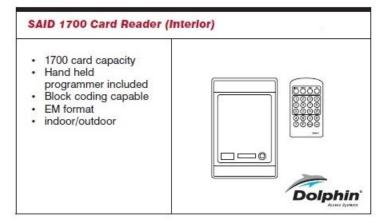


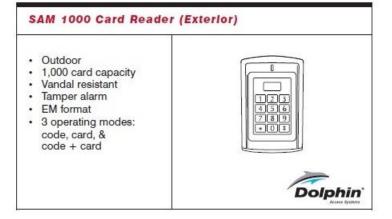
# **Sentinel Door Controls**

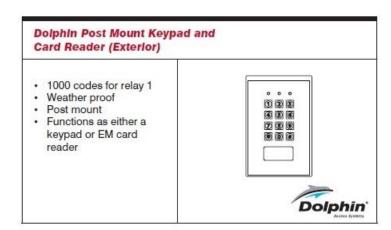


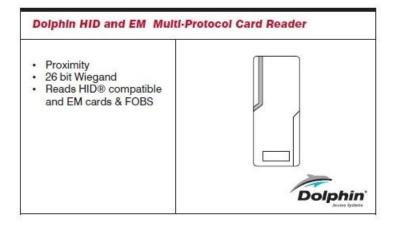


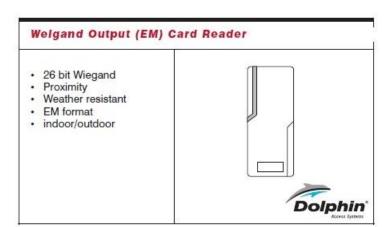












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# **Sentinel Door Controls**







Prox.pad

IEI prox.pad is a stand-alone proximity reader and keypad. In addition to operating as a self-contained single door access control system, it now operates as a reader with all IEI Secured Series Hub control products and with most 26-bit wiegand access control panels – as a proximity reader only, keypad with PIN only, or proximity an keypad (works with 2 man rule – check each access control system manufacturer's instructions to verify prox.pad's compatibility in these applications.

### **Prox.Pad Plus**

Fully integrated single door access control system, RS 485 communication, includes software – network capacity 32 doors per site, built in proximity and keypad readers, requires 12 – 15 VDC operating power, and requires interface for direct PC connection or SEG-1 TCP/IP to serial interface for LAN/WAN connection.

### Benefits:

- HID Compatible
- Compatible with all HID Proximity Cards up to 37-bit
- Card & Code operation in IEI Hub systems
- Works with most Wiegand access controls systems as a keypad and/or proximity reader
- Perfect for single-door access control applications
- Accountability of access event at the door
- Assures security and integrity of controller

### Features:

- HID Compatible
  - Reader module can remote for added security
- Indoor/outdoor/glass mount
- 2000 users (stand alone)
- 1000 event audit trail (stand alone)
- Works with all IEI Secured Series Hub products
- Wiegand panel front-end



iL Style Keypad

Designed for basic access control, the iL keypad has a single relay and chrome plated metal trim with hardened backlit keys. There are LED's shown through the face plate to indicate operation status and provide the user confirmation of PIN number entry. Designed for indoor use only, the iL keypad mounts to any standard backbox and provides superior durability.

### **Specifications:**

Operating Voltage: 10-30 VDC: 12-24

VAC auto-adjusting

Dimensions: 3.47" x 5.14" x 0.71"
Temperature tolerance: -20F to 130F

### Features

- Single gang flush mount design
- Hardened backlit keys
- Heavy chrome plated trim ring
- Key press feedback via sounder and vellow LED
- Red and Green LED indicates relay status
- Indoor use only
- Keypad Programmable
- Functionality mode: 212

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# **Sentinel Door Controls**





# Stand-Alone Digital Keypads and Key Access



10KEYPAD



10KEYPADWR



10JAMBSWITCHMOM 10JAMBSWITCHONF



10KEYSWITCHMOM 10KEYSWITCHONF

DOOR GARD COMMAND AND CONTROL SERIES – keypads offer field proven reliability and cost effective solutions anywhere limited control or access is desired. Design for individual control of up to four devices. Door Gard Command and Control Series keypads are the perfect choice for controlling electric looking devices, security systems, automatic operators or machinery. Door Gard keypads accept power for a 12 or 24 Volt AC/DC supply

### Features:

- 4 Independent Outputs
- 4 Independent Timers
- All outputs assignable by code
- On board Main Relay
- 120 Users
- · Remote triggering input
- Keypad programmable

# Description

**10KEYPADWR** - 120 user outdoor, weather resistant, command & control keypad

**10KEYPAD** - 120 user Indoor command & control keypad

**10KEYSWITCHMOM** - Momentary Keyswitch – Single Gang (3"x 4¾"x ½")

**10KEYSWITCHONF** - On / Off Keyswitch – Single Gang (3"x 4¾"x ½")

**10JAMBSWITCHMOM** - Momentary Keyswitch – Jamb Style (1¾" x 4¾" x ½")

**10JAMBSWITCHONF** - On / Off Keyswitch – Jamb Style (1¾" x 4¾" x ½")

NOTE: Mortise cylinder is not included

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# **Sentinel Door Controls**





# Stand-Alone Digital Keypads



### 925 EntryCheck™ Outdoor/Indoor Keypad for Gates and Doors

The SDC **925** EntryCheck<sub>TM</sub> is a stand alone digital keypad designed to control access of a single entry point for facilities with up to 480 users. Each user is assigned a personal identification number (PIN). Keypad entry of a valid one to six digit code activates one or both of the output relays which releases an electric door lock or triggers a gate operator.



### 928 EntryCheck™ Outdoor/Indoor Keypad

The SDC **928** Entry Check<sub>TM</sub> is a stand alone digital keypad designed to control access of a single entry point for facilities with up to 480 users. Each user is assigned a personal identification number (PIN). Keypad entry of a valid one to six digit code activates one or both of the output relays which releases an electric door lock.



### 950 EntryCheck™ Outdoor/Indoor Proximity/PIN Reader

The SDC 950 EntryCheck™ is a self-contained, stand alone proximity reader and PIN pad. Designed for the most basic access control applications, the 950 EntryCheck™ is easy to install, program and operate. Capable of up to 500 User Card and/or PIN Codes, the basic operation and simplicity makes the 950 EntryCheck™ ideal for entry level applications at a reasonable cost. All that is required for your installation is an SDC lock and power supply that meet your application needs. Combine several units for a multi-door prox system where each door operates independently. (950K EntryCheck includes 10 each K10 Fobs \$350.00 LIST / 950C EntryCheck includes 10 each C10 Cards / Additional Cards \$35.00 LIST & Fobs \$65.00 LIST are sold in packs of 10 each)



### 917 EntryCheck™ Indoor Electronic Digital Keypad



The easy-to-operate SDC 917 EntryCheck™ incorporates four separate outputs that are controlled by 120 PIN codes. When a valid code is entered, the self-contained electronics will direct it to its programmed output(s). For access control applications, a Request-To-Exit button can be added and programmed to activate any output(s). Should an employee be terminated, that individual's code may be deleted, eliminating the need to distribute a new code to all employees. For alarm control applications, enter a valid user code to arm or disarm, or use a different code to shunt or bypass an alarm zone. If enabled, you can press the # and \* keys to trigger a panic condition which can be programmed to any output(s). When enabled, the keypad Active output turns on when the first key is pressed. Unit is shown in the standard US32D Finish. Check with your Sentinel sales representative for price & availability on other architectural finishes.

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# **Sentinel Door Controls**



# **Stand-Alone Digital Keypads**

### DK-26 Series Digital Keypad

**Application** - The DK-26 Series Keypad is a digital keypad system designed for medium/high security control of electric locks. It consists of two components: the narrow stile keypad and the CPU board. The rugged stainless steel keypad may be mounted outdoors in any environment as it is fully weatherproof.

### Features and Benefits

- Cast stainless steel with 11 EPDM rubber keys
- Weather proof and vandal resistant
- · Mounts on a narrow mullion
- True 10 digit operation (keys are not paired)
- Wiegand output available
- Digital Keypad System circuit board mounts in a metal enclosure and provides for 59 multiple users, expandable to 119
- · User code and/or hard code disable feature
- 5 Amp DPDT relay output for lock control and alarm shunt, camera call-up or other device interface, REX input
- 16 ft. [4.8m], 12 conductor, 22 guage keypad cable
- 3 LEDs and a bell button

### How To Order

DK-26SSDigital Keypad System Narrow Stile Stainless (59 users)DK-26BKDigital Keypad System Narrow Stile Black (59 users)DK-26SXBDK-26 w/Expansion Circuit Board Stainless (119 users)DK-26 w/Expansion Circuit Board Black (119 users)

### **DK-11 Series Digital Keypad**

**Application -** The DK-11 is a one piece unit designed for lower security requirements. While primarily intended for indoor operation, an optional rain cover (WCC) and gasketed back box (WBB) allow reliable use for exterior areas not exposed to direct rain.

### Features and Benefits

- Stainless steel backplate with 12 keys (10 digits plus "\*" and "#" keys)
- · One piece digital keypad specifically designed for control of electric locks
- · Single gang, stainless steel plate with plastic backbox
- Includes 4 user code capability which is programmable from the keypad
- 5 Amp SPDT timed, control relay output
- Two LEDs are furnished
- Both LEDs also provide programming prompt
- Red and Green LEDs are visible indicators
- · Optional weather cover available
- Request to Exit (REX) input

### **Specification Data**

Current Draw: 70mA Voltage: 12 or 24 VDC

Operating Temperature: +32 to +110F [0 to +43C] Warranty: MagnaCare Lifetime Replacement Warranty





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# **Sentinel Door Controls**





# 700 – 800 Series Key Switches

### **Application**

SDC key switch assemblies provide an economical method of providing authorized control for a variety of applications. A choice of several contact configurations ensure compatibility with virtually any system. Applications include:

- Access Control
- Automatic Gate Operation
- Roll Up Door Operation
- Alarm Shunt
- Alarm Reset
- Machine Operation

### **New Construction or Retrofit**

SDC key switch assemblies are compatible with U.S. standard, 1.125" and 1.25" mortise key cylinders and interchangeable core cylinders (not included). Compatibility with a new or existing facility mechanical key system is maintained. Standard switch assemblies are single gang box mounted. Assemblies equipped with narrow faceplates are mounted directly to the door frame.

### **Functions**

- Momentary
- Timed Actuation (1-60 seconds)
- Alternate Action (On-Off)

### **Features**

- Tamper resistant, recessed cylinder (all except 700N)
- Tamper resistant spanner screws
- Heavy duty all steel assembly
- Stainless steel faceplates of 20 gauge or 0.25" thickness.
- Large actuator for positive and consistent activation
- Choice of 6 Amp @ 30 VDC or 10 Amp @ 30VDC
- 7", 22 gauge wire leads

### 700 Series

- 20 gauge, stainless steel faceplate
- Spanner security screws and tool
- Plated finishes optional

### 700

- · Single gang, wall mounted
- Anti-tamper recessed key cylinder
   700N
- Narrow 1.75" wide, frame mounted

### 800 Series High Security

- 0.25" thick face plate
- · Spanner security screws and tool
- Anti-tamper plugs for mounting screws
- Anti-tamper, recessed key cylinder
- Plated and dark bronze anodized finishes optional

### **Base Material**

0.25" thick stainless steel is standard when dull stainless steel and plated finishes are specified. 0.25" thick aluminum is standard when anodized finishes are specified for matching aluminum frames.

### 800

- Single gang, wall mounted **800N**
- Narrow, 1.75" wide, frame mounted
- Four mounting screws provide increased integrity

### FR High Security Architectural Series

- No exposed faceplate for intruders or vandals to tamper with.
- Only the key cylinder is exposed through the frame face.
- The switch assembly is mounted through a preparation in the rabbet of the frame.
- Access to the assembly is concealed when the door is closed.
- For 1.75" or larger frames.





700

**700N** 





800

800N





FR

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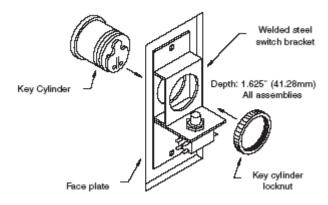
# **Sentinel Door Controls**



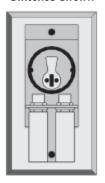


# Key Switches Details

### Assembly Details



2 - SPDT - 2 Single Pole, Double Through Switches Shown



**Dual Switch** Assembly

Switch Shown

Double Through

702/802, 10Amp Assembly

SPDT - 1 Single Pole, SPDT - 1 Single Pole. Double Through Switch Shown



Single Switch Assembly

### Faceplate Dimensions

700: 2.875"H x 4.5"W x 20 Ga. (73 x 114 x 0.912mm) 700N: 1.75"H x 4.5"W x 20 Ga. (45 x 114 x 0.912mm) 700T: 4.5"H x 4.5"W x 20 Ga. (112 x 112 x 0.912mm) 800: 3.25"H x 5"W x 0.25"D (83 x 127 x 6.35mm) 800N: 1.75"H x 5"W x 0.25"D (45 x 127 x 6.35mm) 800T: 5"H x 5"W x 0.25"D (127 x 127 x 6.35mm)

### Assembly Tools

For convenience, a small spanner tool is provided with the assembly for fastening of spanner security screws.

Part # SS632, a standard spanner screwdriver, may be ordered separately.

### Tailpiece Shapes

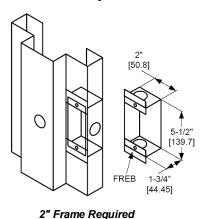


Compatible with all dual switch assemblies and 10A configuration of 702/802.

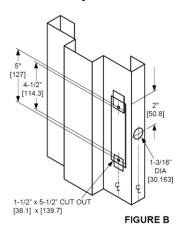


Compatible with all single and dual switch assemblies except 10A 702/802 configuration.

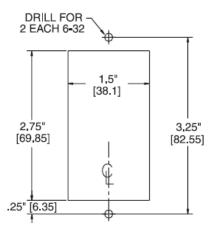
### FR Series with FREB **Box Preparation**



FR Series Frame Preparation



700N / 800N Frame Preparation



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# **Sentinel Door Controls**





# Key Switch Models and Operating Descriptions

MODEL	CONTACT	DESCRIPTION	MODEL	CON	TACT	DESCRIPTION
FR01 701 701N 801 801N	NC O O NO	ALTERNATE ACTION SPDT  ON-OFF switch will make or break a circuit for extended periods of time, until key is inserted and turned again.	FR09 709 709N 809 809N	NC O O O NO	NC O O O NO	#1 ALTERNATE ACTION SPDT #2 ALTERNATE ACTION SPDT Key operates two separate switches. Turning key to the left makes or breaks circuit #1 for extended periods of time. Turning key to the right makes or breaks circuit #2 for extended periods of time.
FR02 702 702N 802 802N	NC O O NO	MOMENTARY SPDT  Switch will momentarily make or break a circuit.	710D 810D	NC O O O O	NC O O O NO	#1 SOLID STATE TIME DELAY SPDT ADJ. 1-60 SECONDS #2 ALTERNATE ACTION SPDT Turning key left activates time delay. Turning key right makes or breaks circuit #2 for extended periods of time. Two gang
704D	NC O O NO	SOLID STATE TIME DELAY SPDT ADJUSTABLE 1-60 SECONDS		I	1	box mounted.
FRO5 705 705N	C NO	Momentary turn of the key activates timer. Two gang box mounted.  ALTERNATE ACTION DPDT ON-OFF Switch will either make or break two separate circuits for extended periods	FR11 711 711N 811 811N	NC O O NO O NO	NO O O O O O O O O O O O O O O O O O O	#1 MOMENTARY DPDT  #2 MOMENTARY DPDT  Key operates two separate switches.  Turning key to the left momentarily makes or breaks circuit #1. Turning key to the right momentarily makes or breaks circuit #2 for extended periods of time.
805 805N FRO6 706	o no	of time until key is inserted and turned again.  MOMENTARY DPDT	FR12 712 712N 812 812N	NC	NO 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	#1 MOMENTARY DPDT  #2 ALTERNATE ACTION DPDT  Key operates two separate switches.  Turning key to the left momentarily makes or breaks circuit #1. Turning key to the right makes or breaks circuit #2 for
706N 806 806N	NC O	Switch will momentarily make or break two separate circuits.		C NO	NC NO	extended periods of time. #1 ALTERNATE ACTION DPDT
FR07 707 707N 807 807N	C NO	#1 MOMENTARY SPDT #2 MOMENTARY SPDT Key operates two separate switches. Turning key to the left momentarily makes or breaks circuit #1. Turning key to the right momentarily makes or breaks circuit #2.	FR13 713 713N 813 813N		O NO O O NO	#2 ALTERNATE ACTION DPDT Key operates two separate switches. Turning key to the left momentarily makes or breaks circuit #1. Turning key to the right makes or breaks circuit #2 for extended periods of time.
FR08 708 708N 808	NC O NC O O O O NO	#1 MOMENTARY SPDT #2 ALTERNATE ACTION SPDT Key operates two separate switches. Turning key to the left momentarily makes or breaks circuit #1. Turning key to the right makes or breaks circuit #2 for extended periods of time.				<b>WIRING</b> WHITE – Common ORANGE Normally Closed YELLOW Normally Open

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# **Sentinel Door Controls**





# Push Buttons, Emergency Door Release and REX PIRs







422U & 423U

412U & 413U















1 Gang	Narrow	Contact	Sign
401U	401NU	AA (On/Off) SPDT	none
402U	402NU	Momentary SPDT	EXIT
403U	403NU	With Timer Module 1-60 sec .	EXIT
		12/24V AC/DC, 2A SPDT Contact	
404U	404NU	Momentary DPDT	EXIT
405U	405NU	AA (On/Off) DPDT	none

2 Bullon, Gree	2 Button, Green illuminated Lens – Duli Stamless Steel Finish, Specify R for Optional Red Len					
1 Gang	Narrow	Contact	Sign			
	412NU 413NU	Momentary SPDT Integrated 1-60 sec Timer 12/24VDC, 2A SPDT Contact	PUSH TO EXIT PUSH TO EXIT			
422U 423U		Momentary SPDT Integrated 1-60 Sec. Timer	PUSH TO EXIT			
		12/24 VDC 2A SPDT Contact				

2" Button – Blue Illuminated Lens Only 422AU 423AU	Momentary SPDT Integrated 1-60 Sec. Timer 12/24 VDC, 2A SPDT Contact	<u>წ</u>	SYMBOL SYMBOL
430 Series	All Momentary, AA, Single Gang & Narrow Configurations		
2 5/9" Muchroom Dod Dutton Standar	ed LISSON Finish Specify C for Option	anal	Croon Long

1 Gang	2 Gang	Contact	Sign	
	441U	AA (On/Off) DPST	None	
	442U	Momentary DPST	EXIT	
	443U	with Timer Module 1-60 Sec. 12/24V AC/DC SPDT 2A Contact	EXIT	
	444U	Momentary 2-DPST	EXIT	
446U		Momentary DPST	FXIT	

1.5" Mushroom, Red Button Standard, Dull Stainless Steel

1 Gang	Narrow	2 Gang	Contact	Sign
432KUR	432KNUR		Latching/ key reset DPST	None
451V	451NV		AA (On/Off) SPDT	None
452V	452NV		Momentary SPDT	None
452VPTD	452NVPTD		Integrated Pneumatic Timer	None

Emergency Door Release	
491	Break Glass Emergency Door Release with Siren
491-GL	4 Each Replacement Glass
491-BB	Surface Mount Back Box
Model Color	
MD-31DW	White PIR Egress Sensor
MD-31DB	Black PIR Egress Sensor
	9

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# **Sentinel Door Controls**





# MD31D Request-To-Exit PIR Sensor

### **Features**

- Adjustable relay time (0.5 64 seconds)
- · Micro-based signal processing
- Adjustable "tamper proof" shutters to enable precise target area detection
- Two "Form C" outputs
- Swivel optics allow for offset mounting
- Patented black bug guard
- · Available in white or black



SDC's Request-to-Exit (RTE) sensors offer basic and full-featured models to suit every access control application. The quick-install sensors are extremely flexible, provide a generous amount of wiring room and contain built-in internal "tamper proof" shutters to enable precise target area detection.

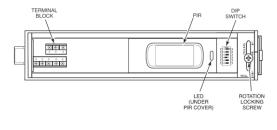
The SDC MD31D passive infrared detector is specifically designed for request-to-exit applications. It has an adjustable 1-60 second time delay. The coverage field is internally pointable. When angled 14<sup>‡</sup> down, coverage may be 5 x 6 feet at 7 feet high to 10 x 12 feet at 15 feet high. The MD31D projects a wrap around "U" pattern down and away from the door to inhibit tampering. The MD31D may be mounted to the frame header, wall or ceiling. Complies with NFPA applications.

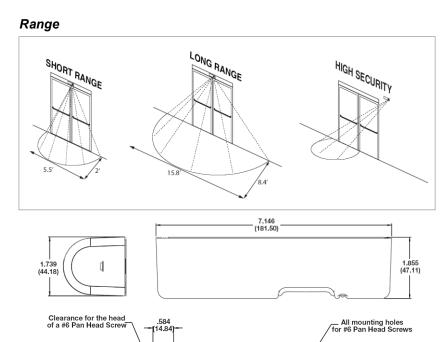
### **Specifications**

**MD31D-W** PIR motion detector, white **MD31D-B** PIR motion detector, black

• Range: From 5.5' x 2' ( 1.67m x 0.6m) up to 15.8' x 8.4' (4.8 x 2.5m) depending on mounting height

- Mounting Height: 7' to 15' (2.13m x4.51m)
- Detectable Walk Rate: 0.5'-10'/sec
- Signal Processing: RTE and Security modes
- Temperature Compensation: Advanced dual-slope
- Alarm Relay: Two "Form C" outputs
  Input Voltage: 12-24 volts AC or DC
- Standby Current: 35mA
- Indicators: Green (ready) LED
- Operating Temperature:
- 14°F to 122°F (-10°C to 50°C)
- Dimensions: 7" L x 2" H x 2" D
- (17.7cm x 5cm x 5cm)





↓ DOOR ↓

- 3.280 (83.31) 1

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# **Sentinel Door Controls**



# **SECURITRON** Keyswitch Selection Guide













MKN

MK

MKC

KP1N

KP1

	Single Gang	Narrow Stile	Dbl Gang	Lock # 2 Keys	MOM (MOMENTARY)	MA (ALTERNATE)	SPDT	DPDT	Bi-Color LED	Add On
MK	•				•		•			
MK2	•				•			•	•	
MKA	•					•	•		•	
MKA2	•					•		•	•	
MKAN		•				•	•		•	
MKAN2		•				•		•	•	
MKN		•			•		•			
MKN2		•			•			•	•	
MKPZ			•		•		•			
MKAPZ			•			•	•		•	
MKS					•		•			•
MKS2					•			•		•
MKSA						•	•			•
MKSA2						•		•		•
MKC										•
MKC-KA										•
KP1	•				•		•			
KP1A	•			•		•	•		•	
KP1AN				•		•	•			
KP1N		•		•	•		•		•	

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# **Sentinel Door Controls**



# JECURITRON Push Buttons Features Chart

		/	- ot /	no/	'Me /		won/	or /	or /	on /	<u>o</u> d /	AT ART	MATE		7	
		Waterp	single s	Alaron e	Surfac	Green Bi	Red But	She But	steel Bu	Hurring	ROM MONT	MARLE	DPS	ded	. इर्ग	AuxiliaryLED
PB																
PBA	•	•			•				•		•				•	
PBR	•															
PBRA	•										•					
PB2															•	
PB22																
PB2E																
PB2EH		•								•				•		
PB2H										•				•		
PB3									•			•	$\Rightarrow$			
PB3A											•		$\stackrel{\sim}{\Rightarrow}$			
PB3AN											•	•	$\stackrel{\sim}{\Rightarrow}$			
PB3E													$\stackrel{\sim}{\Longrightarrow}$			
PB3EA					•						•	•	$\stackrel{\sim}{\boxtimes}$			
PB3EAN					•						•	•	$\stackrel{\sim}{\boxtimes}$			
PB3EN													☆			
PB3N													$\stackrel{\sim}{\Longrightarrow}$			
PB3EAR				•	•						•	•	$\stackrel{\sim}{\Longrightarrow}$			
PB3ER				•	•							•	$\stackrel{\sim}{\boxtimes}$			
PB4		•						•		•				•	•	
PB4-2		•						•		•			•		•	
PB4A-2		•						•			•		•		•	
PB4AN-2			•					•			•		•		•	
PB4N			•					•						•	•	
PB4N-2			•					•					•		•	
PB5						•			•				•			
PB5E						•							•			
EEB2		•			•					30 Se	econd	Re	lease H	Hold		
EEB3N			•		•						ned		Timer			

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# **Sentinel Door Controls**



# JECURITRON Push Button Specifications



<u>ITEM</u>	<u>DESCRIPTION</u>
РВ	1-1/2" Round Momentary, DPST, Green Button, Illuminated
PBA	1-1/2" Round Alternate, DPST, Green Button, Illuminated
PBR	1-1/2" Round Momentary, DPST, Red Button, Illuminated
PBRA	1-1/2" Round Alternate, DPST, Red Button, Illuminated

### 7 Amp Rated Contacts



PB5

PB5	2" Round Momentary Red Button, DPDT, Illuminated
PB5E	2" Round Momentary Red Button, DPDT
WCC	Weather Cover Single Gang
WBB	Gasketed Back Box Single Gang
	10 Amp Rated Contacts



PB<sub>2</sub>

PB2EH

PB2	2" Square Momentary, SPDT, Green, Illuminated
PB22	2" Square Momentary, DPDT, Green, Illuminated
PB2H	2" Square Momentary, SPDT, Blue Button, Illuminated, Handicap
PB2E	2" Square Momentary, SPDT, Green Button
PB2EH	2" Square Momentary, SPDT Blue Button, Handicap

10 Amp Rated Contacts



PB3



PB3E

PB3	1" x 3/4" Rectangle Momentary, DPST, Illuminated
PB3A	1" x 3/4" Rectangle Alternate, DPST, Illuminated
PB3E	1" x 3/4" Rectangle Momentary, DPST
PB3EA	1" x 3/4" Rectangle Alternate, DPST
	A A see Both of October

1" x 3/4" Rectangle Momentary, DPST, Green Button, Illuminated,

1" x 3/4" Rectangle Momentary, DPST, Green Button, Narrow Stile

1" x 3/4" Rectangle Alternate, DPST, Green Button, Illuminated,

3 Amp Rated Contacts

Narrow Stile

Narrow Stile





PB3N







PB4





PB4 1" Stainless Momentary, SPDT, bi-color LED PB4-2 1" Stainless Momentary, DPDT, bi-color LED PB4A-2 1" Stainless Alternate, DPDT, bi-color LED PB4AN-2 1" Stainless Alternate, DPDT, bi-color LED, Narrow Stile PB4N 1" Stainless Momentary, SPDT, bi-color LED, Narrow Stile 1" Stainless Momentary, DPDT, bi-color LED, Narrow Stile

PB3EAN 1" x 3/4" Rectangle Alternate, DPST, Green Button Narrow Stile

3 Amp Rated Contacts

4 Amp Rated Contacts

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PB3N

PB3AN

# **Sentinel Door Controls**



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**XMS** 

# **SECURITRON** Request To Exit Devices

### XMS - Exit Motion Sensor

Application - The XMS Passive Infrared Request-to-Exit Device is a motion detector specifically designed to reliably release magnetic locks. A person approaching the door is "seen" by the motion detector just before reaching the door.

### Features and Benefits

- Passive Infrared Request-to-Exit Device
- Designed to reliably release magnetic locks
- Automatically cuts power to the lock, allowing the individual to exit without even realizing that the door is secured
- UL Listed

**Specification Data** 

Input voltage:

12 or 24 VDC

Power draw:

20-50mA, depending on switching status

**Environment:** Indoor use only

Warranty: MagnaCare Lifetime Replacement Warranty

# Touch Sense Bar (TSB-3)

Application - The Touch Sense Bar is for use on magnetically locked, non firerated doors. Touching the bar, even through light gloves or clothing, trips an electronic sensor which releases the lock. For indoor use only, the TSB-3 can be installed on metal, aluminum, or wood frame doors of all types. Meets "no special tools or knowledge" code requirements.

### **Features and Benefits**

- 3 standard lengths: 36", 42" or 48"
- Can be field cut to accommodate non-standard openings up to 48"
- Activates a DPST 2 Amp rated relay when touched (no mechanical movement) which will allow free egress or initiate the delay on an exit delay timer
- Backup push button
- 16 ft. [4.8m] 22AWG 6 conductor cable and stainless steel armored door cord are included
- · Operates on either 12 or 24 VDC
- UL Listed

TSB-3CL **EL-TSB-3CL** TSB-3CL-42 EL-TSB-3CL-42 TSB-3CL-48 EL-TSB-3CL-48

Touch Sense Bar Clear 36" ElectroLynx TSB Clear 36" Touch Sense Bar Clear 42" ElectroLynx TSB Clear 42" Touch Sense TSB Clear 48" ElectroLynx TSB Clear 48"

TSB-3BK EL-TSB-3BK **TSB-3BK-42** EL-TSB-3BK-42 **TSB-3BK-48** 

Touch Sense Bar Black 36" ElectroLynx TSB Black 36" Touch Sense Bar Black 42" ElectroLynx TSB Black 42" Touch Sense Bar Black 48" EL-TSB-3BK-48 ElectroLynx TSB Black 48"

DTSB-3CL Dummy TSB Clear 36" Dummy TSB Clear 42" DTSB-3CL-42 Dummy TSB Clear 48" DTSB-3CL-48 Dummy TSB Black 36" DTSB-3BK Dummy TSB Black 42" DTSB-3BK-42 DTSB-3BK-48 Dummy TSB Black 48"

TCP-BK Touch Sense Cover Plate Black, set of 2

TCP-CL Touch Sense Cover Plate Clear, set of 2

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# **Sentinel Door Controls**



# **JECURITRON** Power Transfers



TSB-C





### TSB Power Transfer Cord

### Door Cord (TSB-C)

- · Simplest and most economical solution for power transfer
- 18" cord is standard with *Touch Sense Bar, Touch Sense Handle and MGL* but may also be purchased separately
- Consists of an 18" [460mm] or 36" [920mm] armored stainless steel cable and plastic end pieces in light gray and black
- · Cable has an interior diameter of .25" [6mm]
- Supports interior wire cables up to .2" [5mm] thick

### **How To Order**

Part # Description

**TSB-C**Door Cord With Gray/Black Caps 18" Cord **TSB-CXL**Door Cord With Gray/Black Caps 36" Cord

### Power Transfer Hinge

### Electric Hinge (EH)

- · Transfers power with the highest level of concealment
- · Produces the most aesthetically pleasing installation
- · Manufactured by McKinney Hinge

### **Specification Data**

500mA current carrying capability 6 conductor, 28 gauge wire

### **How To Order**

**EH-40** Electrified Hinge 4.5" x 4" Stainless 6 Wire **EH-45** Electrified Hinge 4.5" x 4.5" Stainless 6 Wire

### EPT / EPTL Power Transfer Device

### **Electrical Power Transfer (EPT & EPTL)**

- · Installs in the door and frame edges
- · Accepts a thick cable and protects it within a flexible steel shield
- Near universal device that will work on any type of door hung using butt hinges, continuous hinges or pivots
- · Will not function on a center pivot door
- · Manufactured by Abloy Oy for Securitron

### **How to Order**

**EPT** Electrical Power Transfer

**EL-EPT** ElectroLynx EPT

**EPTL** Electrical Power Transfer, Long

**EL-EPTL** ElectroLynx EPTL

### **Approvals and Listings**

EPT - Underwriter's Laboratories: File R21028 (UL 10B & UL 10C)

All prices shown are manufacturer's LIST Prices. Please call your Sentinel Sales Representative for NET Prices & Availability.

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# **Sentinel Door Controls**





# 600 Series Power Supplies

Available in 1.0, 1.5, 2.0, 4.0 & 6.0 Amp Outputs

All SDC power supplies are equipped with a high performance transformer and highly reliable electronic components. Filtering and output voltage regulation provide protection and ensure the longevity of all system components. With the addition of SDC programmable controllers or relay modules, the user-friendly modular designs ensure versatility, interface capability and easy installation of electric locking devices, access controls and related safety equipment.

### Class 2 Outputs

To simplify installations that do not require conduit, a Class 2 output is standard and a 6-foot power cord is optional for the 115VAC input where permitted by code.

### Modular Design

Door control relay modules are available to meet virtually any application need. All wiring for lock hardware, access controls remote control and monitoring is terminated at one central location. Installation and troubleshooting is simplified. Modules may be factory installed or ordered separately for field installation as needed. All modules are individually fused for protection of multiple station systems.

### Features 5

### Fire/Life Safety

A fire alarm input provides simultaneous release of all fail safe locks and door holders in case of an emergency.

### Field Selectable Output

The output is field selectable to provide 12VDC or 24VDC. One power supply is stocked for both 12 and 24VDC applications.

### Input and Output Protection

The AC input voltage is circuit breaker protected and the secondary output is PTC protected.

### System Status

LED status indicators provide information regarding the AC input, DC output, and battery back up status. Outputs for emote annunciation are available.

### **Battery Charging Output**

A separate PTC protected charging output provides 13.5 or 27 volts to fully charge the batteries. The secondary output is always precisely maintained at 12 or 24VDC to protect locking devices and components from over voltage while the batteries are charging. The specified secondary output current is also maintained while batteries are charging. De-rating of the secondary output current is not required when charging batteries.

### Low Battery Disconnect

Batteries are disconnected from the output circuit when discharged below 70%, preventing battery destruction.

### **Door Control Modules**

SDC relay modules may be incorporated in the power supplies to meet virtually any application requirement, for single or multiple door control.







### **Electrical Specifications**

Input: 115VAC, 600 mA, 50/60 Hz

(230VAC optional)

Output: 12/24VDC, 1 Amp

Battery Charger: 13.5/27VDC, 500 mA

### Mechanical Specifications

**Cabinet**: 11.5" x 11.5" x 3.5", 18 GA 292mm x 292mm x 89mm

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# **Sentinel Door Controls**



# **SECURITRON** Boxed Power Supply (BPS, BPSH)

Application - Recommended where an interface with a fire alarm system or battery backup is needed. The BPS linear power supply delivers more current than PSPs or PMs, and all BPS models are UL Class 2 listed, operates with 110VAC and allows for wire runs without the use of conduit from power supply to door. The BPSH series operates with 220VAC.



### Features and Benefits

- 1, 4 or 8 separate output circuit breakers based on model
- LEDs monitor zone status (voltage, no voltage)
- Slide switches connect or disconnect load from power
- Internal capability of charging optional 12 or 24 VDC sealed lead acid backup batteries while operating the DC load (battery not included)
- Requires only 110VAC to the fused input (BPS)
- Rugged steel enclosure
- Provided with terminals for fire alarm relay connection, allowing release of all devices upon fire alarm activation
- Clean linear power for flawless operation with all sensitive active electronic components
- **BPS UL listed**

Output Voltage 12 VDC	Capacity (AMPS)	Output Voltage 24 VDC	Capacity (AMPS)	Cabinet Size	Outputs
BPS-12-1	1	BPS-24-1	1	12" x 9" x 4"	1
BPS-12-3	3	BPS-24-2	2	14" x 14" x 4"	4
BPS-12-45	4.5	BPS-24-3	3	14" x 14" x 4"	4
BPS-12-6	6	BPS-24-4	4	15" x 18" x 6"	8
BPS-12-9	9	BPS-24-6	6	15" x 18" x 6"	8
BPS-12-15	15	BPS-24-10	10	15" x 18" x 6"	8

### **How To Order - BPS**

### How To Order - BPSH

Part #	Description	Part #	Description
BPS-12-1	Power Supply 12VDC-1 Amp	BPSH-12-1	Power Supply 12VDC-1 Amp 220VAC
BPS-12-3	Power Supply 12VDC-3 Amp	BPSH-12-3	Power Supply 12VDC-3 Amp 220VAC
BPS-12-45	Power Supply 12VDC-4.5 Amp	BPSH-12-45	Power Supply 12VDC-4.5 Amp 220VAC
BPS-12-6	Power Supply 12VDC-6 Amp	BPSH-12-6	Power Supply 12VDC-6 Amp 220VAC
BPS-12-9	Power Supply 12VDC-9 Amp	BPSH-12-9	Power Supply 12VDC-9 Amp 220VAC
BPS-12-15	Power Supply 12VDC-15 Amp	BPSH-12-15	Power Supply 12VDC-15 Amp 220VAC
BPS-24-1	Power Supply 24VDC-1 Amp	BPSH-24-1	Power Supply 24VDC-1 Amp 220VAC
BPS-24-2	Power Supply 24VDC-2 Amp	BPSH-24-2	Power Supply 24VDC-2 Amp 220VAC
BPS-24-3	Power Supply 24VDC-3 Amp	BPSH-24-3	Power Supply 24VDC-3 Amp 220VAC
BPS-24-4	Power Supply 24VDC-4 Amp	BPSH-24-4	Power Supply 24VDC-4 Amp 220VAC
BPS-24-6	Power Supply 24VDC-6 Amp	BPSH-24-6	Power Supply 24VDC-6 Amp 220VAC
BPS-24-10	Power Supply 24VDC-10 Amp	BPSH-24-10	Power Supply 24VDC-10 Amp 220VAC

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# **Sentinel Door Controls**





For electric strikes, bells, buzzers, chimes, and other low voltage devices. A complete line of U.L. listed step down transformers. Easy to install, low voltage, 120AC primary for residential, commercial and industrial uses. Transformers will safely take themselves off line when they overheat. Transformers can be either base mounted or attached to standard knockouts on boxes or cabinets (except plug-in types.) All primary leads are pre stripped for quick connection.

Illustration	#	Part No.	Description	Specs
<b>\$</b>	2	521	CLAMP ON TYPE/TRI VOLT(AC)  • Equipped with convenient screw-bracket mounting clamp for standard 1/2" knockouts  • 120 volt primary AC  • 1-7/8"D x 2-3/16"H x 2-3/8"W 10oz	16VAC 15VA .93 AMPS
1	1	522	LOCKNUT TYPE (AC) • For standard 1/2" knockouts • 120 volt primary AC • 2-5/32"D x 2-1/2"H x 2"W 8oz	16VAC 10VA .625 AMPS
) (N)	2	525	CLAMP ON TYPE/TRI VOLT (AC)  • Equipped with convenient screw-bracket mounting clamp for standard 1/2" knockouts  • 120 volt primary AC  • 2-1/4"D x 2-3/16"H x 2-5/16"W 13oz	8VAC 16VAC 24VAC 10VA 10VA 20VA 1.25 AMPS .62 AMPS .83 AMPS
(h) (g)	2	598	CLAMP ON TYPE/TRI VOLT (AC)  • Equi pped with convenient screw-bracket mounting clamp for standard 1/2" knockouts  • 120 volt primary AC  • 2-15/16"D x 2-7/32"H x 2-11/32"W 1lb 6oz	8VAC       16VAC       24VAC         20VA       30VA       30VA         2.5 AMPS       1.88 AMPS       1.25 AMPS
3	2	599	CLAMP ON TYPE (AC)  • Equipped with convenient screw-bracket mounting clamp for standard 1/2" knockouts  • 120 volt primary AC  • 2-15/16"D x 2-3/16"H x 2-11/32"W 1lb 6oz	24VAC 40VA 1.65 AMPS
	3	5201	PLUG-IN TYPE (AC)  • 120 volt primary AC  • 2"D x 3"H x 2-1/2"W 7oz	24VAC 20VA .834 AMPS
(h)	3	5203	PLUG-IN TYPE (AC)  • 120 volt primary AC  • 2"D x 3"H x 2-1/2"W 7oz	16VAC 20VA 1.250AMPS
4	3	5204	PLUG-IN TYPE (AC)  • 120 volt primary AC  • 2"D x 3"H x 2-1/2"W 7oz	12VAC 20VA 1.667 AMPS
Ū,	4	5205	PLUG-IN TYPE /TRI VOLT (AC) • 120 volt primary AC • 2"D x 3"H x 2-1/2"W 1lb	8VAC 16VAC 24VAC 10VA 10VA 20VA 1.25 AMPS .62 AMPS .83 AMPS
5	5	5208	PLUG-IN TYPE (DC)  • Corded output leads  • 120 volt primary AC  • 2"D x 3-1/4" H x 2-3/8"W 1lb 12oz	12VDC 12VA 1.0 AMPS
	5	5209	PLUG-IN TYPE (DC)  • Corded output leads  • 120 volt primary AC  • 2"D x 3-1/4"H x 2-3/8"W 1lb 2oz	24VDC 12VA .5 AMPS
6	6	SR1	SILICON RECTIFIER (SR-1)  • For silent operation on AC/D Celectric strikes  • For AC power supplies up to 27 volt AC 1 amp. Use for normally locked, fail securetype electric strikes  • Size 1" x 1/2" x 1"	12-27VAC 1 AMP

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# **Sentinel Door Controls**





### TRANSMITTERS

### Firefly 300MCD21K

- Gray
- One-Button
- Key chain model
- 10 dip switches
- 300MHz



### Firefly 300MCD22K

- Gray
- Two-Button
- Key chain model
- 10 dip switches
- 300MHz



### Stinger 310LID21V

- Black
- Two-Button
- Visor model
- 8 dip switches
- 310MHz



### Stinger 310LID22V

- Black
- Two-Button
- Visor model
- 8 dip switches
- 310MHz



### RECEIVERS

### Dual Frequency 300/310 MHz Receiver

### Hive 300-310 Dip Switch

- 2 channel
- With coax antenna

Compatible with Multicode 300MHz and Linear 310 MHz



### Single Frequency 433 MHz Receiver

### **Hive 433 Dip Switch**

- 2 channel
- With coax antenna
- 10 dip switches



### Programmable with Display-Stand Alone

- 2 channel
- 800 and 1600 memory capacity
- 433 MHz



### Stand Alone 85 Memory Capacity

- 2 channel
- Interior Model or
- Exterior Model
- 433 MHz



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# **Sentinel Door Controls**



# **IMPORTANT NOTES**

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# **Sentinel Door Controls**



	Multiply number of	by	To obtain equivalant number of	Multiply number of	by	To obtain equivalant number of
	Inches (in)	<b>{</b> 25.4 2.54	Milimeters (mm) Centimeters (cm)	Millimeters	0.03937	inches
	Feet (ft)	30.48 0.3048	Centimeters	Centimeters	0.3937	inches
Length	Yard (yd) Fathoms (6ft)	0.9144	Meters  Meters	Metres	39.3701 3.2808 1.0936 0.54681	inches feet yards fathoms
	Miles (land: 5,280 ft) Miles (UK sea: 6,080 ft) Miles, Intl. Nautical	1.609344 1.853184 1.852	Kilometers (km)	Kilometres	0.62137 0.53961 0.53996	miles (land) miles (UK sea) miles, international nautica
	Square Inches (ini)	<b>{</b> 645.160000 6.451600	Sq. Millimeters (mm <sup>a</sup> ) Sq. Centimeters (cm <sup>a</sup> )	Square Millimeters	0.00155	square inches
	Square Feet (ft <sup>±</sup> )	{ 929.030400 0.092903	Sq. Centimeters Sq. Meters (sm <sup>B</sup> )	Square Centimeters	0.1550	square inches
Area	Square Yards (ydl)	0.836127	Sq. Meters	Square Meters	{ 10.7639 1.19599	square feet square yards
Area	Acres	{ 4,046.86 0.4046.86 0.004047	Sq. Meters Hectares (ha) Sq. Kilometers (km <sup>a</sup> )	Hectares	2.47105	acres
	Square Miles	{ 258.999 2.58999	Hectares Sq. Kilometers	Square Kilometers	<b>2</b> 47.105 0.3861	acres square miles
	Cubic Inches (in₩)	16.387064	Cubic Centimeters (cm <sup>18</sup> )	Cubic Centimeters	0.06102	cubic inches
	UK Pints	34.6114	Cubic Inches		61.024 0.0353	cubic inches cubic feet
Volume & Capacity	UK Pints UK Gallons US Gallons Cubic Feet (ft≅)	0.5683 4.54609 3.785 28.317	Litres (I)	Litres	2.1134 1.7598 0.2642 0.21997	US pints UK pints US gallons UK gallons
	Cubic Feet 0.028317		Cubic Metres	Hectolitres	26.417 21.997	US gallons UK gallons
	UK Bushels US Bushels	0.3637 0.3524	Hectolitres	TIOLOIRIGS	2.838 2.750	US bushels UK bushels
	UK Gallons US Gallons	{ 1.20095 0.832674	US Gallons UK Gallons	Cubic Metres	35.3147 1.30795 264.172	cubic feet cubic yards US gallons
	UK Bulk Barrels	36 43.2342 0.1637	UK Gallons US Gallons Cubic Metres		219.969 6.11026	UK gallons UK bulk barrels
	Grains (gr)	64.79891	Milligrams (mg)	Milligrams	0.01543	grains
	Ounces, avoirdupois (oz) Ounces, troy (oz tr)	28.3495 31.1035	grams (g)	Grams	{ 0.03527 0.03215	ounces, avoirdupois ounces, troy
	Ounces, avoirdupois	0.9115	ounces, troy	Kilograms	35.274 32.151	ounces, avoirdupois
Weight (mass)		<b>{</b> 453.59237 0.45359	grams kilograms (kg)		2.20462	pounds, avoirdupois
(111033)	Hundredweights (cwt) (112 lb)	{ 0.05 0.508023	long tons metric quintals (q)	Metric quintals	220.462	pounds, avoirdupois
	Short Tons (2000 lbs.	0.892857 0.907185	long tons tonnes (t)	Tonnes	2204.62 1.10231 0.984207	pounds, avoirdupoi short tons long tons
	Long Tons	{ 1016.05 (2240 lbs) 1.01605	kilograms 1.12 short tons tonnes			
	Miles/Hour	<b>1</b> .609344 0.868976	kilometers/hour international knots	Kilometers/Hour	0.62137 0.53996	miles/hour international knots
elocity & Fuel onsumption	Miles/UK Miles/US Gallon	0.35401 0.42514	Kilometres/litre	Kilometers/Litre	2.82481 2.35215	miles/UK gallor miles/US gallon
	UK Gallons/Mile US Gallons/Mile	282.481 <b>}</b> 235.215 <b>}</b>	Litres/100 kilometers	Litres/100 Kilometers	0.00354 0.00425	UK gallons/mile US gallons/mile
	Degrees Fahrenheit	5/0 after	Degrees Celsius (centigrade)	Degrees Celsius (centigrade)	9/5, and add 32	Degrees Fahrenhe
Temperature	-40%F 32%F 59%F	equals equals	-40 &C 0 &C	37 %C 50 %C	equals equals	98.6≈F 122≈F

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# **Sentinel Door Controls**



### **Unit-of-Measure Equivalents**

Unit		Equivalent	
Kilowatt (kW)	1,000	(One Thousand)	Watts
Megawatt (MW)	1,000,000	(One Million)	Watts
Gigawatt (GW)	1,000,000,000	(One Billion)	Watts
Terawatt (TW)	1,000,000,000,000	(One Trillion)	Watts
Gigawatt	1,000,000	(One Million)	Kilowatts
Thousand Gigawatts	1,000,000,000	(One Billion)	Kilowatts
Kilowatthours(kWh)	1,000	(One Thousand)	Watthours
Megawatthours (MWh)	1,000,000	(One Million)	Watthours
Gigawatthours (GWh)	1,000,000,000	(One Billion)	Watthours
Terawatthours (TWh)	1,000,000,000,000	(One Trillion)	Watthours
Gigawatthours	1,000,000	(One Million)	Kilowatthours
Thousand Gigawatthours	1,000,000,000	(One Billion)	Kilowatthours
U.S. Dollar	1,000	(One Thousand)	Mills
U.S. Cent	10	(Ten)	Mills

In order to convert from U.S. units to metric units using the conversion factors shown in the following table, multiply the number of U.S. units (e.g., 2 pounds) times the conversion factor shown (0.45359237) to obtain the equivalent number in metric units (2 pounds times 0.45359237 pounds/kilograms = 0.90718474 kilograms).

### **Metric Conversion**

Гуре of Unit	U.S. Unit Times	Conversion	on Factor		Equals		Metric Unit
Mass	short tons (2,000 lb)	X	0.907 184	<del>1</del> 7	=		metric tons (t)
	pounds (lb)		Χ	0.453 592	2 37a	=	kilograms (kg)
Volume	barrels of oil (bbl)	Х	0.158 987	7 3	=		cubic meters (m3)
	cubic feet (ft3)	X	0.028 316	85	=		cubic meters (m3)
	U.S. gallons (gal)	Х	3.785 412	2		=	liters (L)
Energy	British thermal units	(Btu) x	1,055.055	5 852 62ab	)	=	joules (J)

### aExact conversion.

bThe Btu used in this table is the International Table Btu adopted by the Fifth International Conference on Properties of Ste am, London, 1956.

Notes: Spaces have been inserted after every third digit to the right of the decimal for ease of reading. Most metric units belong to the International System of Units (SI), and the liter and metric ton are acceptable for use with the SI units. Sources: General Services Administration, Federal Standard 376B, *Preferred Metric Units for General Use by the Federal Government* (Washington, DC January 27, 1993), pp. 9-11, 13, and 16. National Institute of Standards and Technology, Special Publications 330, 811, and 814. American National Standards Institute/Institute of Electrical and Electronic Engineers, SVIEEE Std 268-1992, pp. 28 and 29.

### **Useful Definitions**

- An ampere is the unit of measurement of electric current produced in a circuit by 1 volt acting through a resistance of 1 ohm.
- A **Btu** or British Thermal Unit is a standard unit for measuring the quantity of heat energy equal to the quantity of heat required to raise the temperature of 1 pound (16 ounces) of water by 1 degree Fahrenheit.
- The Capacity Factor of a generating unit is the ratio of "the electrical energy produced by a generating unit for a given period of time" to "the electrical energy that could have been produced at continuous full-power operation during the same period."
- A circuit is a conductor or a system of conductors through which electric current flows.
- A current is a flow of electrons in an electrical conductor. The strength or rate of movement of the electricity is measured in amperes.
- **Efficiency** is derived by dividing the heat content of 1 kilowatthour of electricity (3,412 Btu per kilowatthour) by the number of Btu contained in the input used to produce 1 kilowatthour.
- Energy is the capacity for doing work--as measured by the capability of doing work (potential energy) or the conversion of this capability to motion (kinetic energy). Energy has several forms, some of which can be converted into another form useful for work. Most of the world's convertible energy comes from fossil fuels that are burned to produce heat thatis then used as a transfer medium to mechanical or other means in order accomplish tasks
- Electrical energy is usually measured in watthours, while heat energy is usually measured in Btu.
- **Heat Rate** is a measure of generating station thermal efficiency--generally expressed in Btu per net kilowatthour. It is computed by dividing the total Btu content of fuel burned for electricity generation by the resulting net kilowatthour generation
- An **ohm** is the unit of measurement of electrical resistance. It is the resistance of a circuit in which a potential difference of 1 volt produces a current of 1 ampere.
- A watt is the electrical unit of power: that is, the rate of energy transer equivalent to 1 ampere flowing under a pressure of 1 volt at unit power factor.
- A watthour is an electric energy unit of measure equal to 1 watt of power supplied to (or taken from)

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**Sentinel Door Controls**