Securitron GL1 Electromechanical Gate Lock

Heavy Duty Gate Lock with One Ton of Holding Power

ASSA ABLOY

The global leader in door opening solutions

Works well on electrical and manually operated indoor or outdoor gates where preload is a concern. Ideal for swinging or sliding vehicle, pedestrian, or stock gate access control.

Strength & Durability

- 2,000 lbs holding force
- Operates under preload up to 100 lbs
- Weather and Tamper resistant

Multiple Options Available

- Available in Fail Locked or Fail Safe Mode with optional latch monitoring
- Acommodates a full mortise cylinder including SFIC for higher security
- Available Flex-Mount Gate Lock Bracket Kits (FMK) extend access control to gates and fences

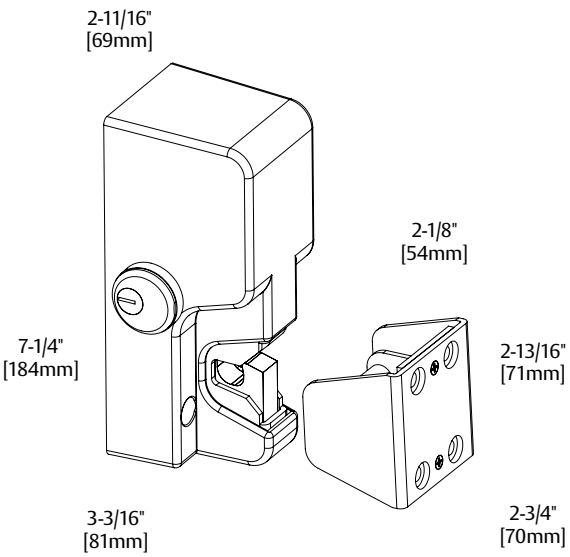
Features & Benefits

- Automatic dual voltage – no field adjustment required
- Self-aligning receiver (+/- ½" horizontally) helps compensate for gate misalignment and sag
- Covered by best-in-class MagnaCare lifetime replacement, no-fault, no questions asked warranty

LIFE
MagnaCare Warranty

12/24
Dual Voltage 12/24

Strong | Preload Capable | Flexible



Specifications

Dimensions
- 2-3/4"L x 7-1/4"W x 3-1/4"D

Electrical
- 12 Volts Initial (Peak): (~1.0 sec.) at 870 mA - Reduced: 290 mA
- 24 Volts Initial (Peak): (~1.0 sec.) at 720 mA - Reduced: 170 mA

Holding Force
- 2,000 lbs [907kg]

Operating Temperature
- -58 to +167F [-50 to +75C]
- Indoor or outdoor use

Shipping Weight
- 6 lbs [2.72kg]

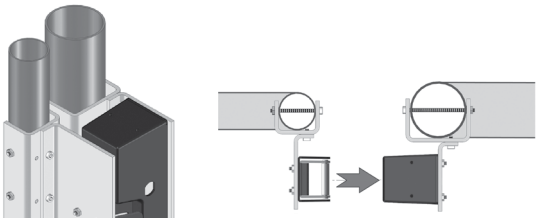
Features

Standard Features
- 2,000 lbs holding force
- Operates under preload up to 100 lbs
- Automatic dual-voltage—no field adjustment required
- Accepts a standard mortise cylinder with Adams Rite MS cam for manual key override (not included, see spacer guide below)
- Self-aligning receiver (+/- 1/2" horizontally) helps compensate for gate misalignment and sag
- Tamper resistant cast housing
- Optional latch status monitor
- Surface mount
- MagnaCare® lifetime replacement, no fault, no questions asked warranty

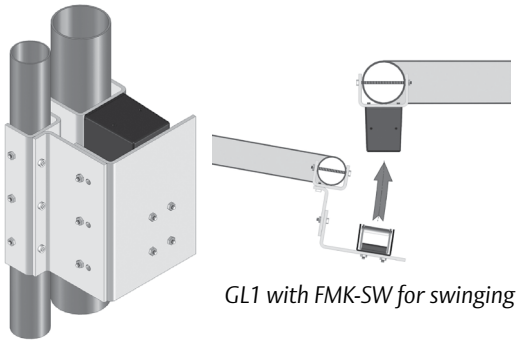
Optional Features
- **FL** Fail locked
- **FS** Fail safe
- **M** Monitoring option

Mortise Spacer Guide

Cylinder Length	Spacer Required
1"	1/4"
1-1/8"	3/8"
1-1/4"	1/2"



GL1 with FMK-SL for sliding gates



GL1 with FMK-SW for swinging gates

How To Order

Model Series	Lock Fail State	Monitoring Options
GL1	– FS	M
GL1	**FL** Fail Locked (Fail Secure)	**(blank)** No Monitoring
	FS Fail Safe	**M** Monitored

ELECTRONIC SECURITY HARDWARE
HES | Securitron
assaabloyesh.com | **800.626.7590** | 10027 S. 51st Street, Ste. 102 Phoenix, AZ 85044 USA

Installation Instructions
5000 Series Electric Strike

HES, Inc.
Phoenix, AZ
800-626-7590
www.hesinnovations.com

Product Components

1. 5000 Electric Strike Body
2. Trim Enhancer (with screws)
3. 12 & 24 Volt Pigtails

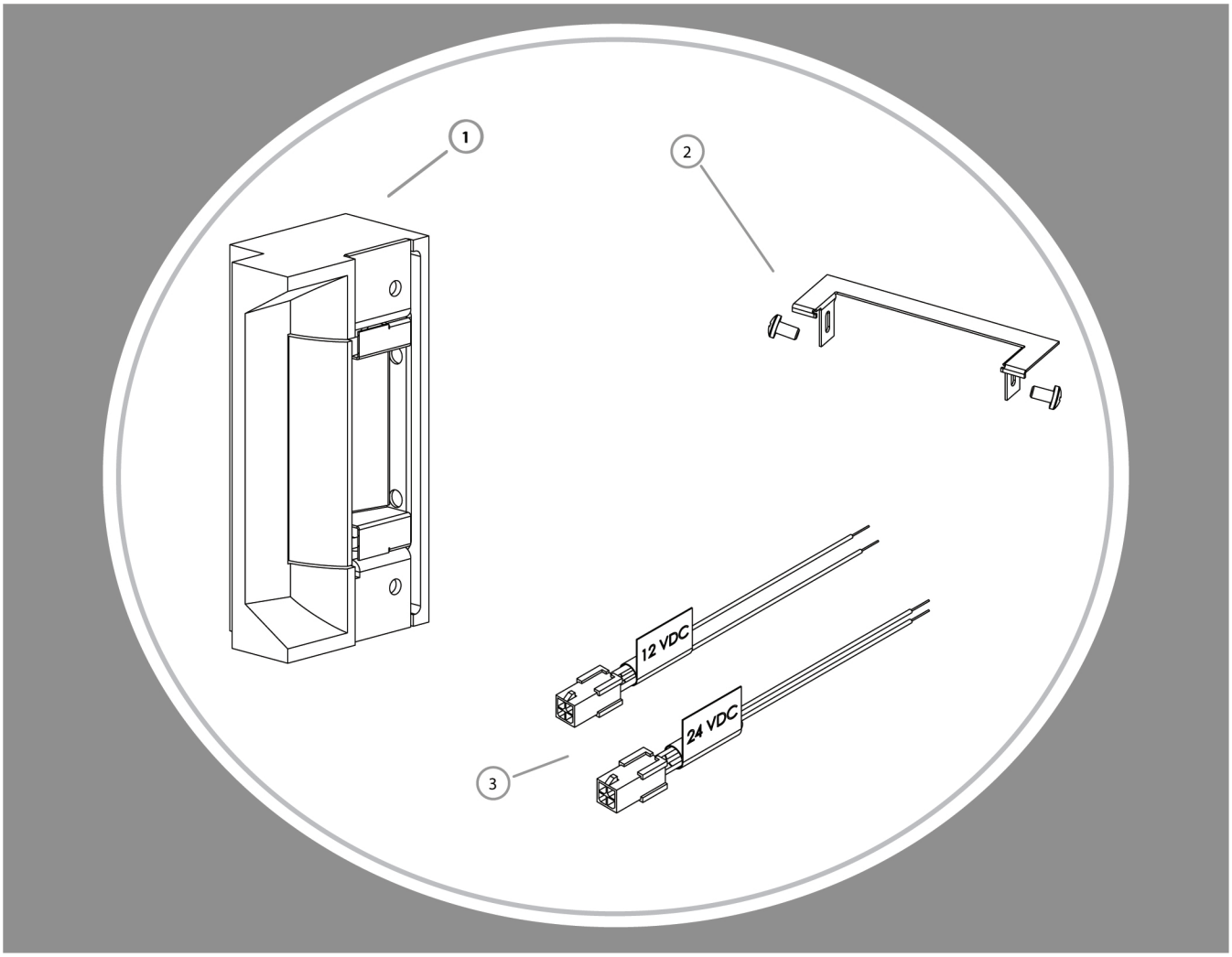


Diagram 1: Electrical Specifications

ELECTRICAL RATINGS FOR SOLENOID	CONTINUOUS DUTY		INTERMITTENT DUTY*	
	12VDC	24VDC	12-16VAC	24VAC
Resistance in Ohms	50	200	50	200
Amps	.24	.12	.24-.32	.12

Solenoids are rated at +/- 10% indicated value.
*10% max duty cycle (2 min. max on time)
Indoor use only

MINIMUM WIRE GAUGE REQUIREMENTS	SOLENOID VOLTAGE	
	12VDC	24VDC
200 feet or less	18 gauge	20 gauge
200 - 300 feet	16 gauge	18 gauge
300 - 400 feet	14 gauge	16 gauge

Installation Directions

CAUTION! Before connecting any device at the installation site, verify input voltage using a multimeter. Many power supplies and low voltage transformers operate at higher levels than listed. Any input voltage exceeding 10% of the solenoid rating may cause severe damage to the unit and will void the warranty.

Prepare Strike

1. Select the appropriate Plug In Connector that matches system power and electrically connect as illustrated in Diagram 2. For 12V AC/DC or 16V AC, the pigtail marked "12 VDC" should be used. For 24V AC/DC, the pigtail marked "24 VDC" should be used.

2. Verify that the strike is in the correct mode of operation. This unit ships in Fail Secure mode. If you need to convert to Fail Safe see Diagram 4.

3. If using Latchbolt Monitor (LBM) see Diagram 3 to complete wiring.

Prepare Frame

4. Prepare frame using appropriate template for your faceplate (see pages 3-6).

5. Attach faceplate to strike body

Finish Installing

6. Connect wires from the power source to the strike.

7. Install the electric strike unit in jamb cutout using the screws provided with the faceplate option kit.

DIAGRAM 2: 12V to 24V CONVERSION

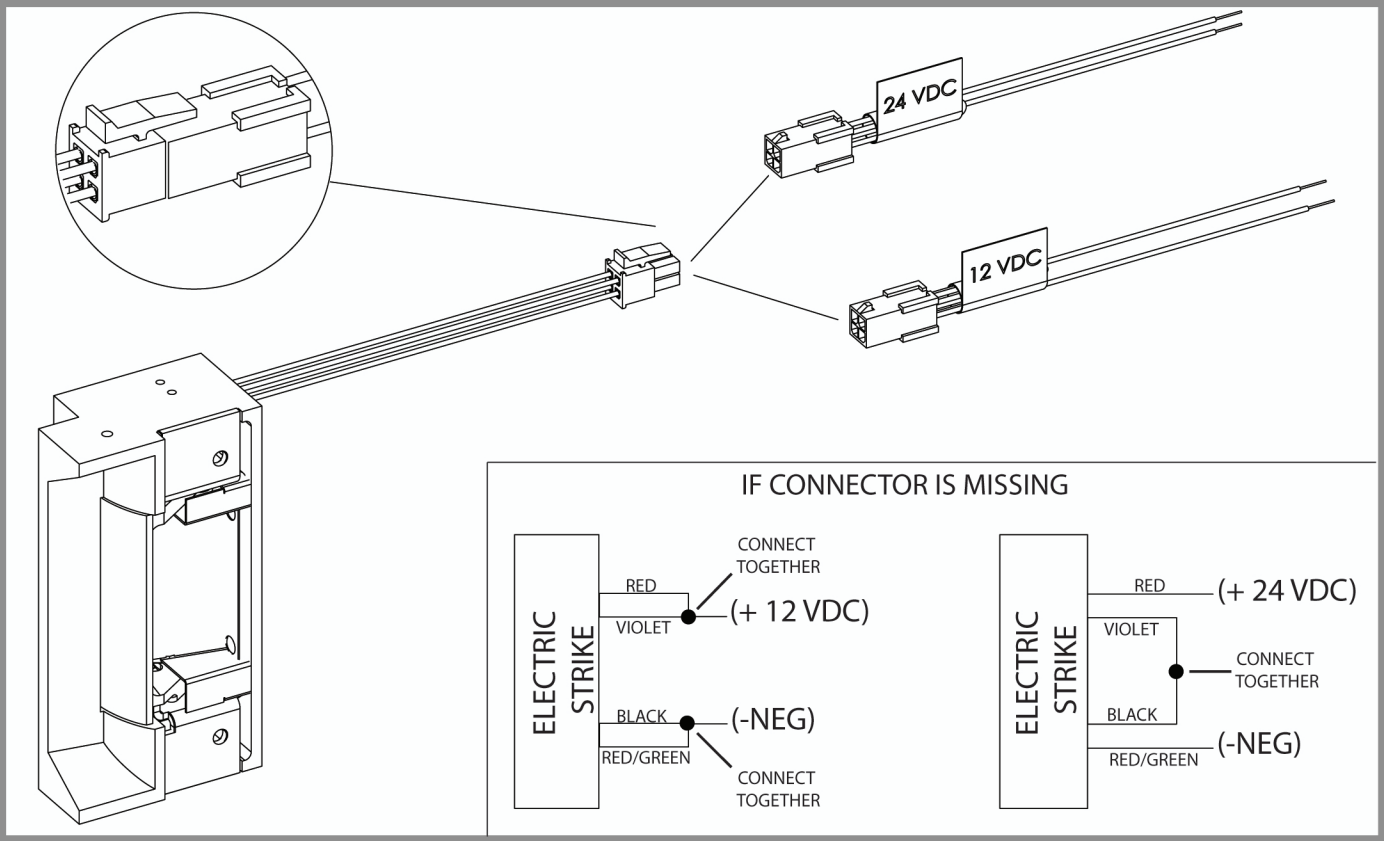


DIAGRAM 3: LATCHBOLT MONITOR

LBM WIRING	
White	Common
Orange	Normally Open
Green	Normally Closed

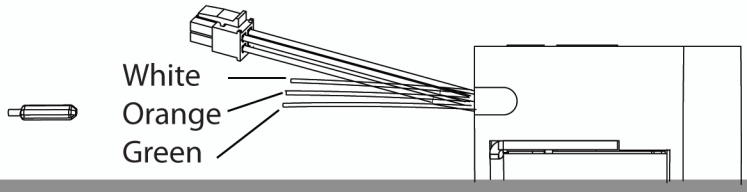
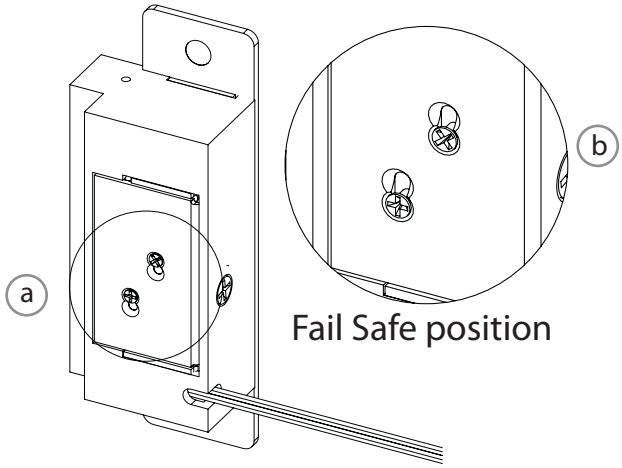


DIAGRAM 4: FAIL SAFE CONVERSION



Convert Mode

a. Loosen the two #2-56 screws located on the back of the strike as shown above, but do not remove them.

b. Move screws from the top of the hole (Fail Secure position) to the bottom hole (Fail Safe position) as shown above.

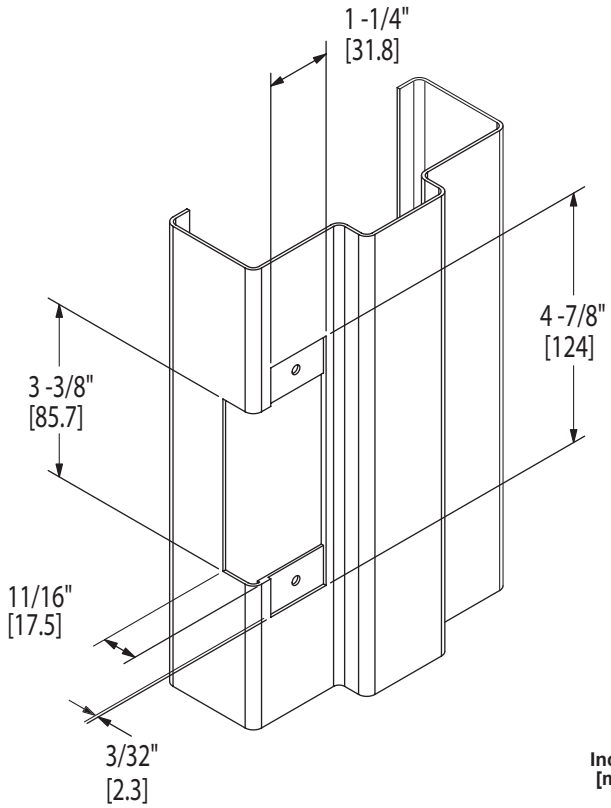
c. Tighten screws.

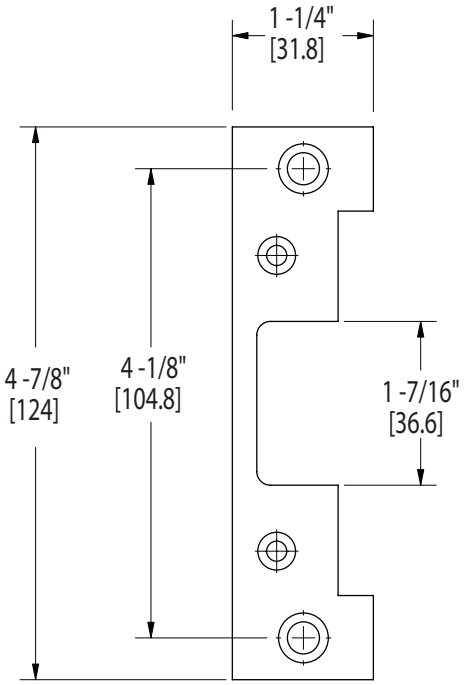
Verify

d. Verify the strike is now in the Fail Safe operation mode. If the strike still operates as Fail Secure, be sure screws are fully seated in the bottom position.

5000 with 501 Faceplate

4-7/8" x 1-1/4" Square Corner Faceplate
ANSI Metal Jamb Installations



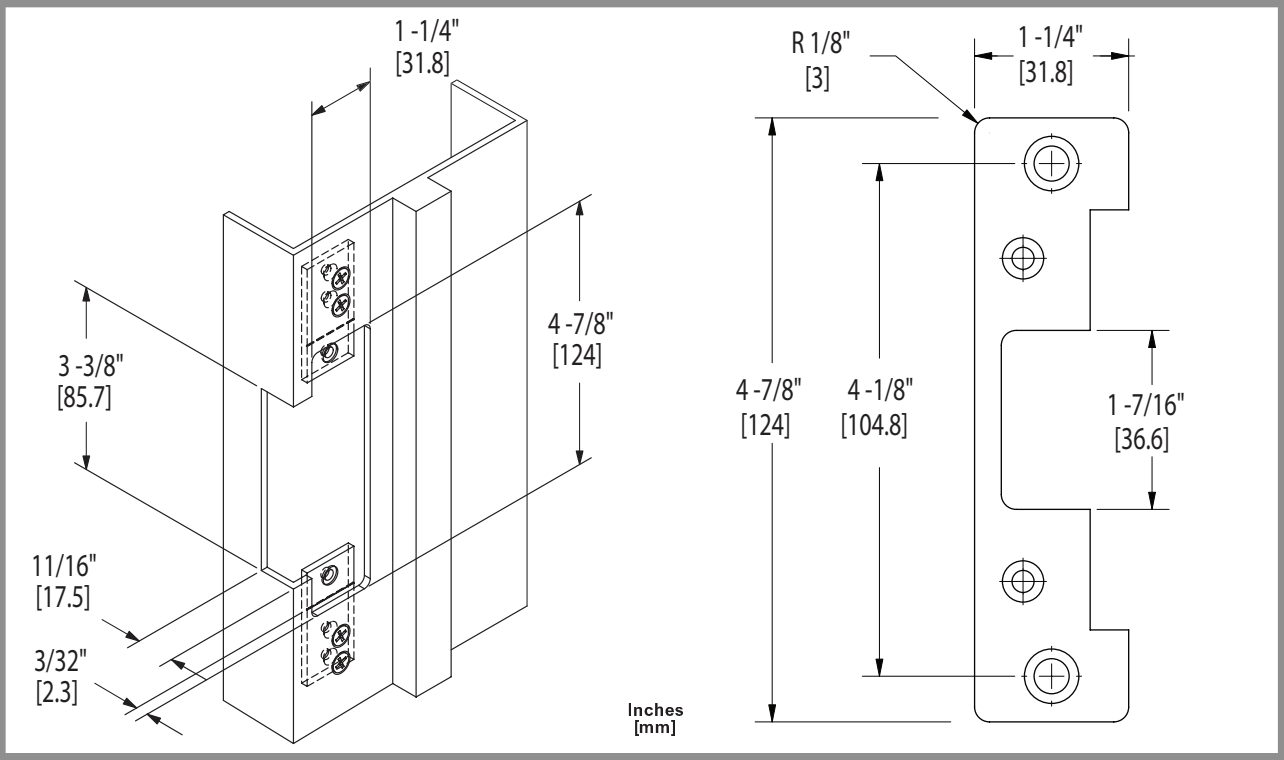


Inches [mm]

Cutout Templates

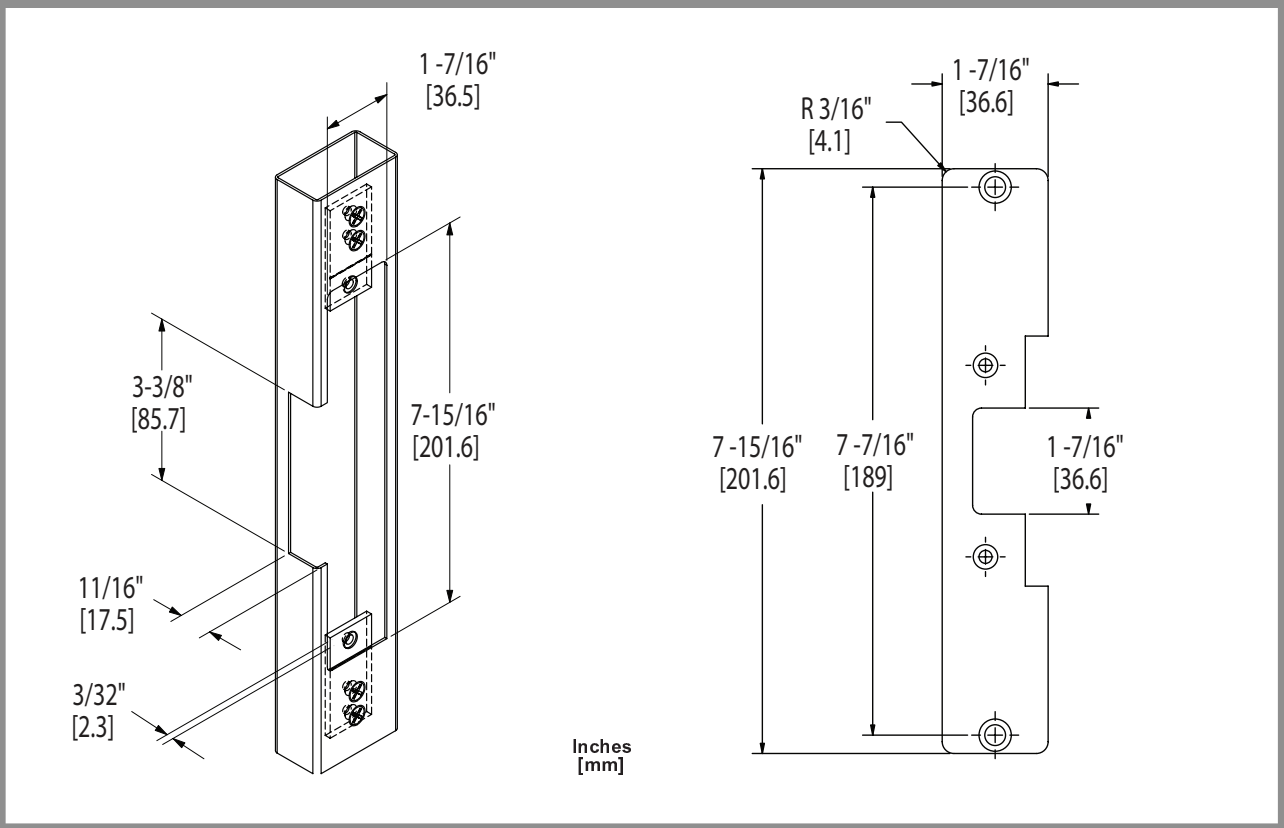
5000 with 501A Faceplate

4-7/8" x 1-1/4" Radius Corner Faceplate
Aluminum Jamb Installations



5000 with 502 Faceplate

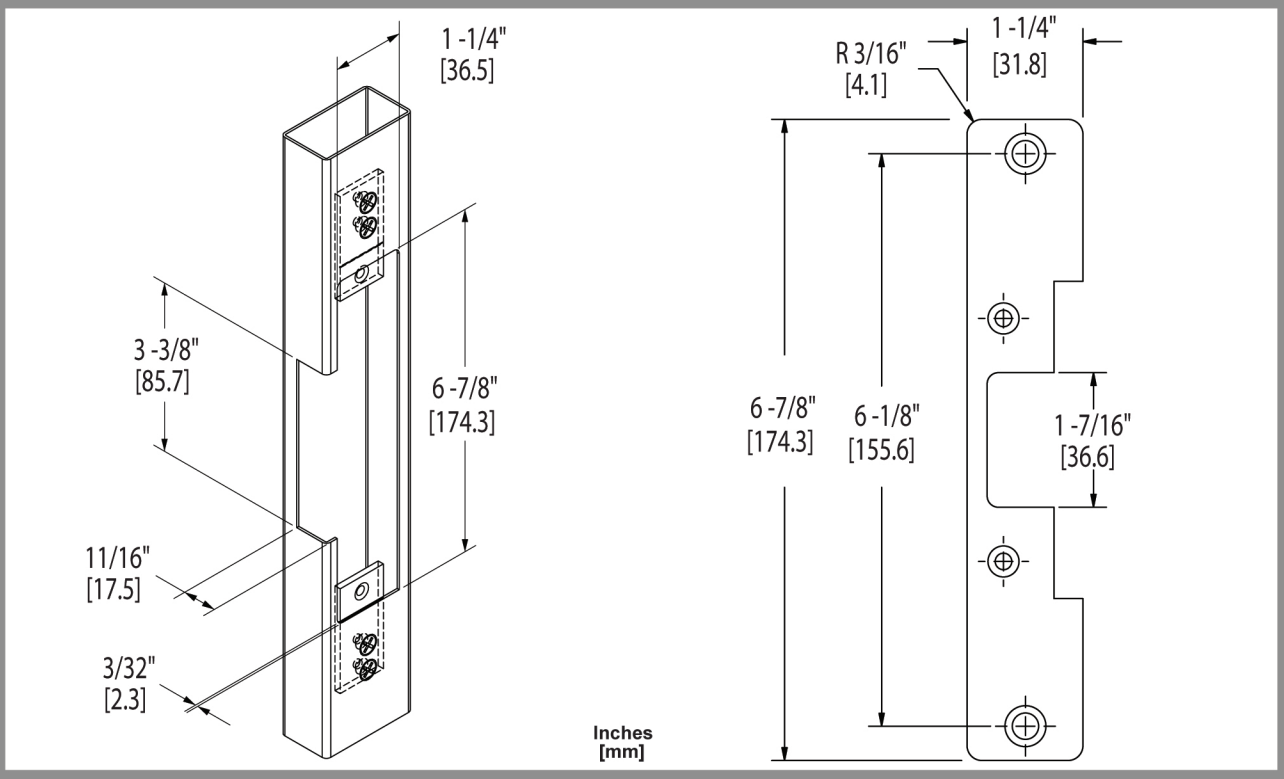
7-15/16" x 1-7/16" Radius Corner Faceplate
Aluminum Frame Installations



Cutout Templates

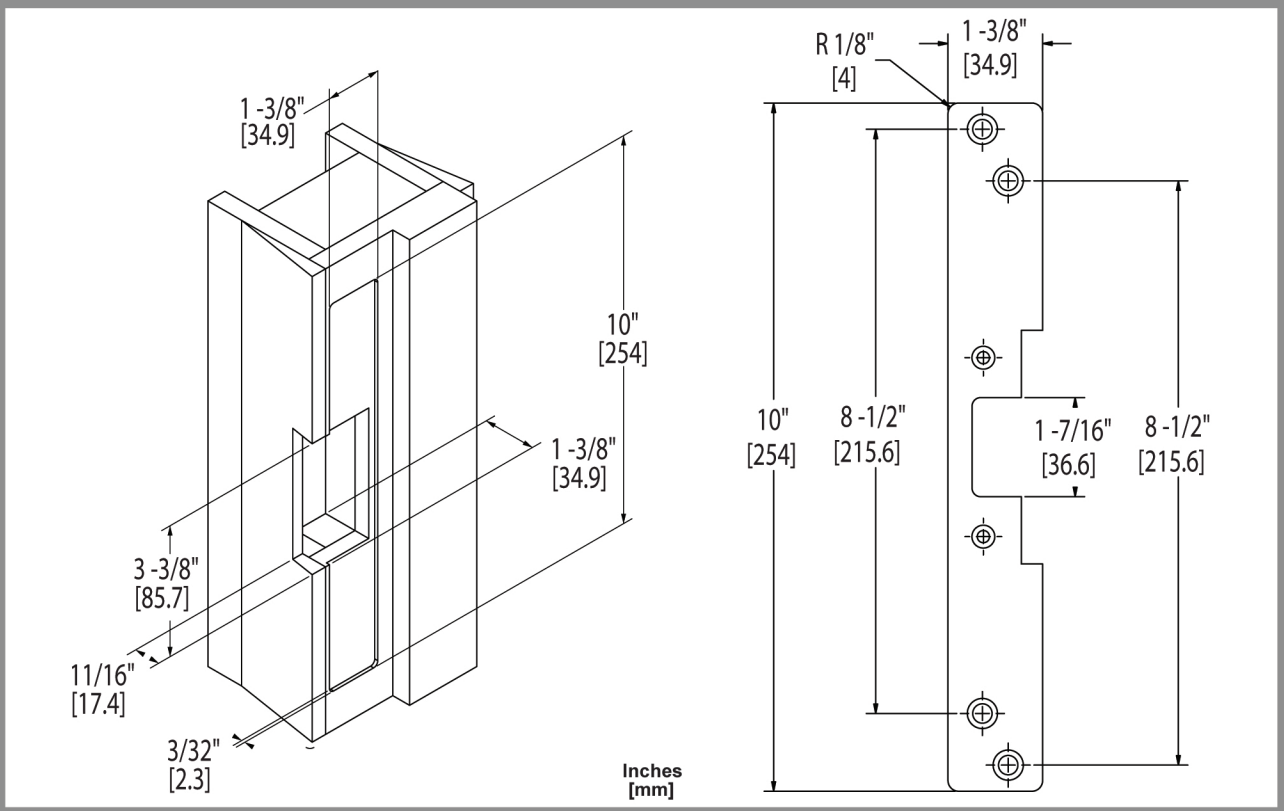
5000 with 503 Faceplate

6 -7/8" x 1-1/4" Radius Corner Faceplate
Aluminum Frame Installations



5000 with 504 Faceplate

10" x 1-3/8" Radius Corner & Flat Faceplate
Wood Frame Installations



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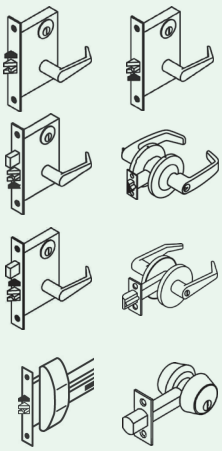
Electric Strike Overview

Electric Strikes for every type of lockset application

Experience a safer and more open world

Works with Cylindrical & Mortise Locksets with or without a 1" Deadbolt

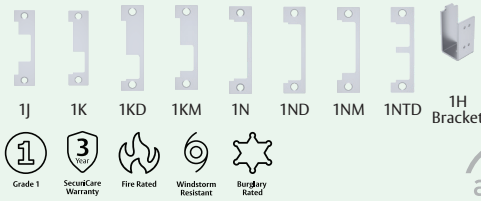


Compatible with all manufacturers

ES100-16S

Aperio® wireless technology offers flexible configuration options and dynamic adjustability without the need to run wires

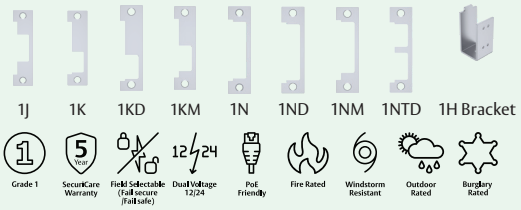
.24 Amps at 12 VDC/VAC | .12 Amps at 24 VDC/VAC DC continuous duty | AC intermittent duty only



1600CS

Dynamic, low profile design with integrated adjustability and field configurable options

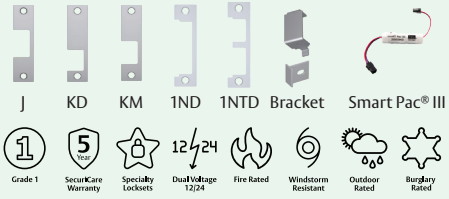
.24 Amps at 12 VDC/VAC | .12 Amps at 24 VDC/VAC DC continuous duty | AC intermittent duty only



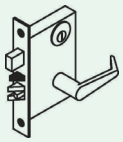
1006CS

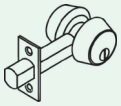
Strongest design with SMART Pac® III in-line power controller

.45 Amps at 12 VDC | .25 Amps at 24 VDC



Works with Cylindrical & Mortise Locksets for an ANSI 4-7/8" Strike Plate with a 1" Deadbolt





Compatible with all manufacturers

ES100-16D

Aperio® wireless technology offers flexible configuration options and dynamic adjustability without the need to run wires

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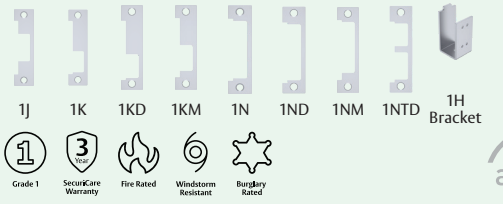
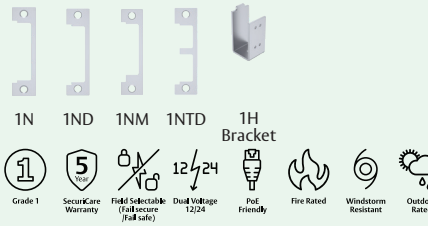


1600CDB

Dynamic, low profile design with integrated adjustability and field configurable options for deadbolt applications

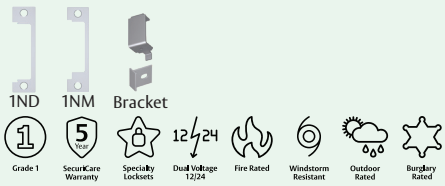
.24 Amps at 12 VDC/VAC | .12 Amps at 24 VDC/VAC DC continuous duty | AC intermittent duty only



1006CDB

Strongest design for deadbolt applications

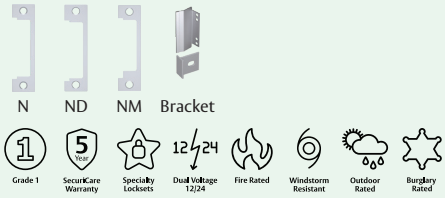
.45 Amps at 12 VDC | .25 Amps at 24 VDC



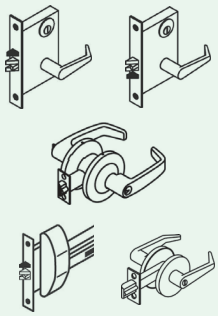
1006CAS

Strongest design for deadbolt recapture applications

.45 Amps at 12 VDC | .25 Amps at 24 VDC



Works with Cylindrical & Mortise Locksets for an ANSI 4-7/8" Strike Plate with a 3/4" Latchbolt

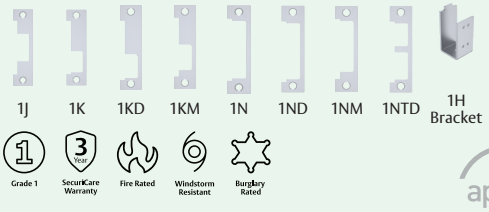


Compatible with all manufacturers

ES100-16L

Aperio® wireless technology offers flexible configuration options and dynamic adjustability without the need to run wires

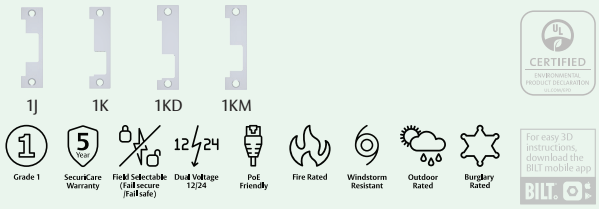
.24 Amps at 12 VDC/VAC | .12 Amps at 24 VDC/VAC
DC continuous duty | AC intermittent duty only



1600CLB

Dynamic, low profile design with integrated adjustability and field configurable options for latchbolt applications

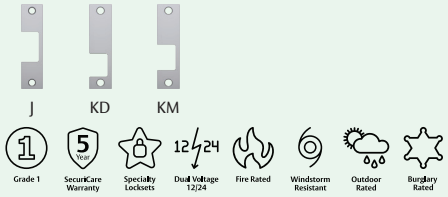
.24 Amps at 12 VDC/VAC | .12 Amps at 24 VDC/VAC
DC continuous duty | AC intermittent duty only

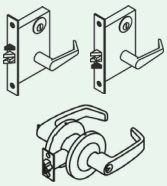


1006CLB

Strongest design for latchbolt applications

.45 Amps at 12 VDC | .25 Amps at 24 VDC
DC continuous duty | AC intermittent duty only



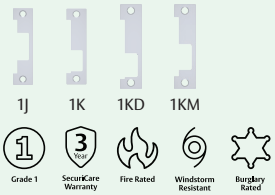


Compatible with all manufacturers

ES100-15L

Aperio® wireless technology offers flexible configuration options and dynamic adjustability without the need to run wires

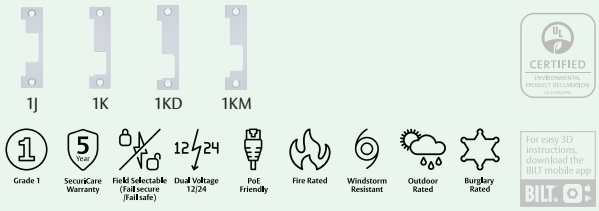
.24 Amps at 12 VDC/VAC | .12 Amps at 24 VDC/VAC
DC continuous duty | AC intermittent duty only



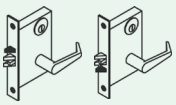
1500C

Heavy duty low profile design for latchbolt applications

.24 Amps at 12 VDC/VAC | .12 Amps at 24 VDC/VAC
DC continuous duty | AC intermittent duty only



Compatible with most manufacturers

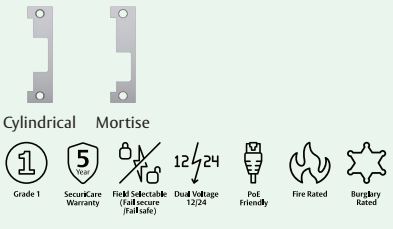


See installation instructions for Schlage and Yale 8700

4500C

Low profile design for installation in 2" UL 10C fire-rated frames with 1/2" drywall penetration

.24 Amps at 12 VDC/VAC | .12 Amps at 24 VDC/VAC
DC continuous duty | AC intermittent duty only

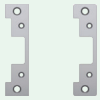


Works with Cylindrical Locksets up to a 5/8" Throw Latchbolt

5000C

Low profile, compact design for easy installation

.24 Amps at 12 VDC/VAC | .12 Amps at 24 VDC/VAC
DC continuous duty | AC intermittent duty only



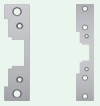
Grade 1 | SecuriCare Warranty | Field Selectable (Fail secure / Fail safe) | Dual Voltage 12/24 | PoE Friendly | Outdoor Rated | Burglary Rated

7000C

Designed to address pre-loaded doors, and with in-frame horizontal adjustability

.45 Amps at 12 VDC | .25 Amps at 24 VDC

Also compatible with certain rim exit devices

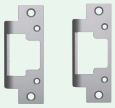


Grade 1 | SecuriCare Warranty | Field Selectable (Fail secure / Fail safe) | Dual Voltage 12/24 | Preload | Burglary Rated

8000C

Concealed design for easy installation with no cutting on the frame required and with vertical alignment adjustability

.24 Amps at 12 VDC/VAC | .12 Amps at 24 VDC/VAC
DC continuous duty | AC intermittent duty only

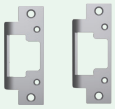


Grade 1 | SecuriCare Warranty | Field Selectable (Fail secure / Fail safe) | Dual Voltage 12/24 | PoE Friendly | Outdoor Rated | Burglary Rated

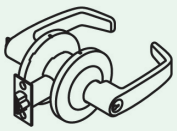
8300C

Concealed, fire-rated design for easy installation with no cutting on the frame required and with vertical alignment adjustability

.24 Amps at 12 VDC/VAC | .12 Amps at 24 VDC/VAC
DC continuous duty | AC intermittent duty only



Grade 1 | SecuriCare Warranty | Field Selectable (Fail secure / Fail safe) | Dual Voltage 12/24 | PoE Friendly | Fire Rated | Outdoor Rated | Burglary Rated



Compatible with most manufacturers

UNL

No cut motorized electric strike capable of releasing under preload conditions

Grade 1 | SecuriCare Warranty | Fire Rated | Windstorm Resistant | Preload

Folger Adam 310-2

3 hour fire-rated industrial grade electric strike designed for extreme heavy duty applications

.51 Amps at 12 VDC | .25 Amps at 24 VDC

Grade 1 | SecuriCare Warranty | Fire Rated | Burglary Rated

Folger Adam 712

For use with 1/2" to 5/8" latchbolts on hollow metal frame applications

.29 Amps at 12 VDC | .15 Amps at 24 VDC

Also available as a 3/4" latchbolt variant

Grade 1 | SecuriCare Warranty | Fire Rated | PoE Friendly | Burglary Rated

Folger Adam 732

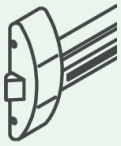
For use with 1/2" to 5/8" throw latchbolts on wood frame applications

.29 Amps at 12 VDC | .15 Amps at 24 VDC

Also available as a 3/4" latchbolt variant

Grade 1 | SecuriCare Warranty | Fire Rated | PoE Friendly | Burglary Rated

Works with Rim Exit Devices up to 1/2" Throw Latchbolt



Compatible with most manufacturers

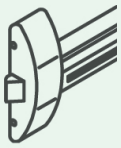
9400

Slim-line surface mounted design for easy installation

.45 Amps at 12 VDC | .25 Amps at 24 VDC

Grade 1 | 5 Year SecureCare Warranty | Field Selectable (Fail secure / Fail safe) | 12/24 Dual Voltage 12/24 | Outdoor Rated | Burglary Rated

Works with Rim Exit Devices up to 3/4" Pullman Latchbolt



Compatible with most manufacturers

7000

Designed to address pre-load doors, and with in-frame horizontal adjustability

.45 Amps at 12 VDC | .25 Amps at 24 VDC

Grade 1 | 5 Year SecureCare Warranty | Field Selectable (Fail secure / Fail safe) | 12/24 Dual Voltage 12/24 | Preload | Burglary Rated

Shown with 789S faceplate

9500

Fire-rated surface mounted design for easy installation

.45 Amps at 12 VDC | .25 Amps at 24 VDC

Grade 1 | 5 Year SecureCare Warranty | Field Selectable (Fail secure / Fail safe) | 12/24 Dual Voltage 12/24 | Fire Rated | Outdoor Rated | Burglary Rated

9600

Windstorm resistant, surface mounted design for easy installation

.45 Amps at 12 VDC | .25 Amps at 24 VDC

Grade 1 | 5 Year SecureCare Warranty | Field Selectable (Fail secure / Fail safe) | 12/24 Dual Voltage 12/24 | Windstorm Resistant | Outdoor Rated | Burglary Rated

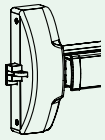
Folger Adam 310-4

Fire-rated surface industrial grade electric strike designed for extreme heavy duty applications

.51 Amps at 12 VDC | .25 Amps at 24 VDC

Grade 1 | 5 Year SecureCare Warranty | Fire Rated | Burglary Rated

Works with Rim Exit Devices with SquareBolts



Corbin Russwin SecureBolt® and Yale SquareBolt®

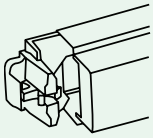
9700

Windstorm resistant and fire-rated, surface mounted design for SquareBolt applications

.45 Amps at 12 VDC | .25 Amps at 24 VDC

Grade 1 | 5 Year SecureCare Warranty | Field Selectable (Fail secure / Fail safe) | 12/24 Dual Voltage 12/24 | Fire Rated | Windstorm Resistant | Outdoor Rated | Burglary Rated

Works with Rim Exit Devices with Adams Rite® Starwheel or Interlocking Latchbolt



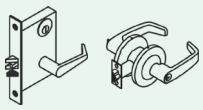
9800

Outdoor-rated, surface mounted design for Adams Rite Starwheel and Interlocking Rim Exit Devices

.45 Amps at 12 VDC | .25 Amps at 24 VDC

Grade 1 | 5 Year SecureCare Warranty | Field Selectable (Fail secure / Fail safe) | 12/24 Dual Voltage 12/24 | Outdoor Rated | Burglary Rated

Works with Cylindrical & Mortise Locksets without a Deadbolt, 1/2", 5/8", 3/4" Throw Latchbolt



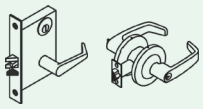
Single door, fail secure only. Hollow metal frame applications

Folger Adam 742-75

Fire-rated industrial grade electric strike designed for heavy duty applications

.29 Amps at 12 VDC | .15 Amps at 24 VDC

Grade 1 · 5 Year SecuriCare Warranty · PoE Friendly · Fire Rated · Burglary Rated

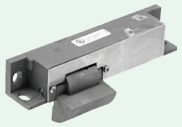


Single and double door, fail secure only

Folger Adam 310-1-(X)

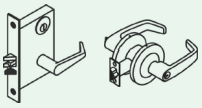
3 hour fire rated, industrial grade, designed for extreme heavy duty applications

.51 Amps at 12 VDC | .25 Amps at 24 VDC



Grade 1 · 5 Year SecuriCare Warranty · Fire Rated · Burglary Rated · Specialty Locksets

Works with Cylindrical & Mortise Locksets without a Deadbolt 3/4" Throw Latchbolt



Compatible with most manufacturers

Folger Adam 310-2-3/4

Fire-rated industrial grade electric strike designed for heavy duty applications

.51 Amps at 12 VDC | .25 Amps at 24 VDC

Grade 1 · 5 Year SecuriCare Warranty · Fire Rated · Burglary Rated

Works with Mortise Locksets without a Deadbolt up to 3/4" Throw Latchbolt

Sargent 8100, 8200, 9200 » 851M Model

Corbin Russwin ML 2000 » 852K Model

Schlage L9000 » 852L Model

Yale 8700 (made before 2005) & 8800, Accurate, Falcon, Kaba Ilco/Unican » 852M Model

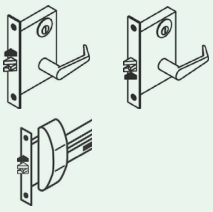
8500

Concealed design for easy installation with minimal modification to the frame

.24 Amps at 12 VDC/VAC | .12 Amps at 24 VDC/VAC
DC continuous duty | AC intermittent duty only

Grade 1 · 5 Year SecuriCare Warranty · Field Selectable (Fail secure / Fail safe) · 12/24 Auto Sensing Dual Voltage 12/24 · PoE Friendly · Outdoor Rated · Burglary Rated · Fire Rated

< Shown with 852L Faceplate



MUNL

No cut motorized electric strike capable of releasing under preload conditions with lock monitoring

Grade 1 · 5 Year SecuriCare Warranty · Fire Rated · Windstorm Resistant · Preload

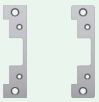
Works with Cylindrical Locksets up to a 3/4" Throw Latchbolt

Compatible with most manufacturers

5200C

In-frame horizontal adjustable design

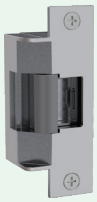
.24 Amps at 12 VDC/VAC | .12 Amps at 24 VDC/VAC
DC continuous duty | AC intermittent duty only

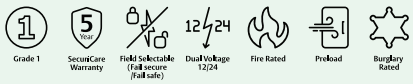


7501

Designed for fire-rated applications with pre-load conditions

.45 Amps at 12 VDC | .25 Amps at 24 VDC





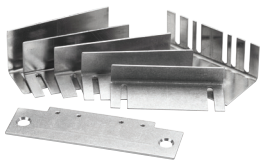
Accessories

2005M3 SMART Pac® III

In-line power controller able to receive input voltages from 12 – 32 VAC or DC. Built-in bridge rectifier. Reduces initial voltage by 25% to extend the life of the electric strike Includes built-in resettable fuse, MOV, voltage regulation and input voltage level indicating and unit status. For use with 1006, input voltage must be DC.

9000-MTK Metal Template Kit

For installing the 9400, 9500, 9600, 9700 and 9800 electric strikes



HESCUT-MTK Metal Template Kit

For installing the ES100, 1006, 1500, 1600, 4500, 5000, 5200, 7000 and 7501 electric strikes (4-7/8" ANSI jamb preparation only)

2004M Electrolynx® Adapter

Adapter between existing electric strikes and ElectroLynx® connectors

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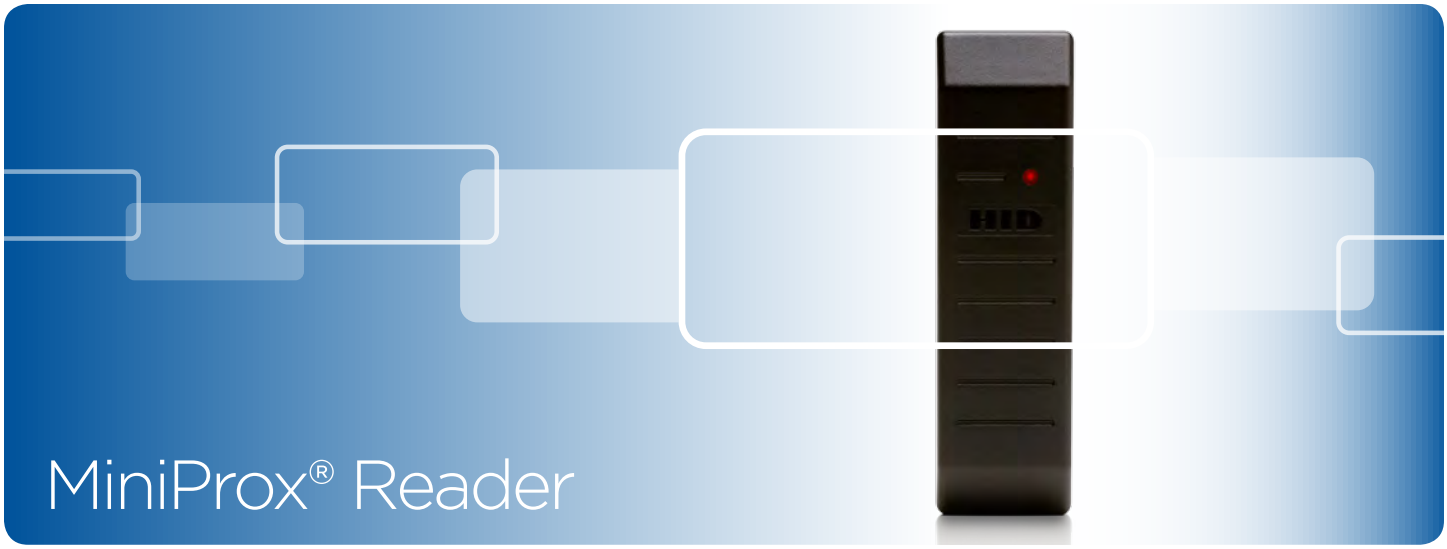

MiniProx® Reader

MULLION MOUNT PROXIMITY CARD READER

The MiniProx® proximity card reader's potted electronics enhance the security of the reader. The slim, attractive design is ideal for indoor or outdoor mounting.

- Accepts 5 to 16 volts, meeting most voltage requirements.
- Available with Wiegand or Clock-and-Data interface.
- Allows easy upgrade from magstripe to a proximity reader; no rewiring or pulling of new cable required.
- Offers high reliability, consistent read-range and low power consumption in an easy-to-install package.
- Mounts directly onto metal with no change in read range performance.
- Provides multicolor LED, compatibility with all standard access control systems and internal or host control of LED and beeper.
- Includes multilingual installation manual.

FEATURES

- **Hazardous Location MiniProx® Reader Mounting** - Designed to mount onto a junction box included with each reader. The junction box is attached to an appropriate surface location utilizing four holes.
- **Security** – Recognizes card formats up to 85 bits, with over 137 billion unique codes.
- **Audiovisual Indication** – When a proximity card is presented to the reader, the red LED flashes green and the beeper sounds. The multicolor LED and beeper can also be controlled individually by the host system.
- **Diagnostics** – On reader power-up, an internal self-test routine checks and verifies the setup configuration, determines the internal or external control of the LED and beeper, and initializes reader operation. An additional external loop-back test allows for the reader outputs and inputs to be verified without the use of additional test equipment.
- **Indoor/outdoor Design** – Sealed in a rugged, weatherized polycarbonate enclosure designed to withstand harsh environments, providing reliable performance and a high degree of vandal resistance.
- **Easily Interfaced** - Wiegand output model interfaces with all existing Wiegand protocol access control systems. Clock-and-Data (magnetic stripe) model interfaces with most systems that accept magnetic stripe readers.
- **Options** – LED and beeper operation and custom label.
  * Hazardous Location MiniProx® only available with terminal strip.

Hazardous Location MiniProx shown with incorporated junction box rated for use in hazardous locations.

SPECIFICATIONS

*Model Name	MiniProx®
Model Number	5365 Wiegand interface 5368 Clock-and-Data interface
**Read Range	ProxCard® II card - up to 5.5" (14 cm) ISOProx® II card - up to 5" (12.7 cm) DuoProx® II card – up to 5" (12.7 cm) Smart ISOProx®/DuoProx® cards – up to 5" (12.7 cm) Proximity & MIFARE® card - up to 5" (12.7 cm) ProxCard® Plus card - up to 2" (5.1 cm) ProxKey® II key fob - up to 2" (5.1 cm) MicroProx® Tag - up to 2.5" (6.4 cm)
Mounting	Unobtrusive design mounts directly onto metal including door mullions
Color	• CLASSIC series cover in gray, beige, black or white (or) • Designer series cover in grey, wave blue, black or white
Keypad	No
Dimensions	6.0" x 1.7" x 1.0" (15.2 x 4.3 x 2.54 cm)
Power Supply	Standard MiniProx: 5-16 VDC Haz. Loc. MiniProx: 5-16 VDC Linear power supplies are recommended
Power Requirements (Standard Power)	Current (DC) Average 30 mA, Peak 75 mA
Operating Temperature	-22° to 150° F (-30° to 65° C)
Operating Humidity	0-95% relative humidity noncondensing
Transmit Frequency	125 kHz
Environmental	IP55
Cable Distance	Wiegand interface: 500 feet (150 m) Clock-and-Data interface: 50 feet (15 m) Recommended cable is ALPHA 1295 (22 AWG) 5 conductor minimum stranded with overall shield or equivalent. Additional conductors may be required for LED or beeper control.
Termination	Pigtail or Terminal strip
Certifications	UL294/cUL (US), FCC Certification (US), IC (Canada), CE (EU), C-tick (Australia, New Zealand), SRRC (China), MIC (Korea), NCC (Taiwan), MIC (Japan), iDA (Singapore), RoHS
Housing Material	UL94 Polycarbonate
Warranty	Lifetime

Consult How to Order Guide for specific ordering instructions.
**Dependent upon installation conditions*

North America: +1 949 732 2000
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Asia Pacific: +852 3160 9800
Latin America: +52 55 5081 1650

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