7000 Series
Electric Strike

Installation Instructions

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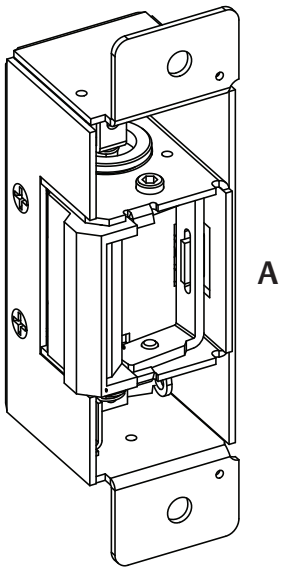
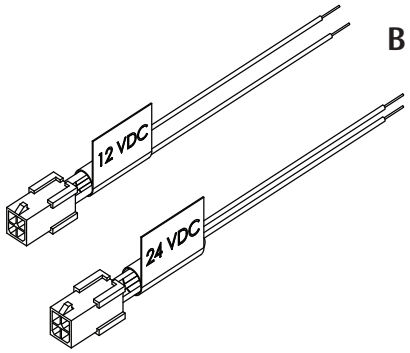
Product Components

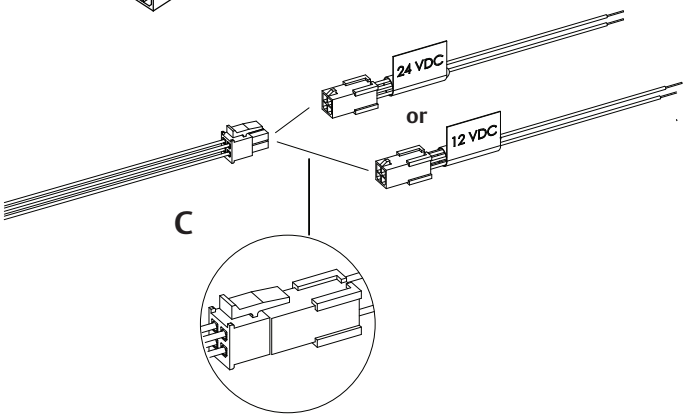
A 7000 Series Electric Strike Body

B 12-Volt and 24-Volt Plug In Connectors

C Pigtail Connectors







Specifications

Electrical Ratings for Solenoid	Continuous Duty		Intermittent Duty*	
Voltage	12 VDC	24 VDC	12–16 VAC	24 VAC
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)*

For inductive kickback protection, consider using with the HES 2005M3 SMART Pac® III or 2001M Plug-in Bridge Rectifier with built-in MOV.

Minimum Wire Guage Requirements		
Voltage	12 VDC	24 VDC
200 feet or less	18 guage	20 guage
200–300 feet	16 guage	18 guage
300–400 feet	14 guage	16 guage

Lengths based on round trip.

7000 Series Rating: For Indoor Use Only		
Model	**791 / 792**	**783S / 786S / 789S**
Static Strength	1,500 lbs	1,000 lbs
Dynamic Impact	70 ft–lbs	50 ft–lbs
Endurance	500,000 cycles	500,000 cycles

UL294 Performance Levels*	
Destructive Attack	Level I (No attack test)
Line Security	Level I (No line security)
Endurance	Level IV (100,000 cycles)
Standby Power	Level I (No secondary power source)

** Monitor options were not evaluated by UL294/UL1034/ULC60839-11-1*

Installation

WARNING: 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.
Installation wiring for the product and wiring methods shall be in accordance with the National Electrical Code, ANSI/NFPA 70.

Preparing the Strike

For 12 VDC, the Plug In Connector (pigtail) marked "12 VDC" should be used; for 24 VDC, the pigtail marked "24 VDC" should be used.

Preparing the Frame

1 PREPARE the frame for lockset using appropriate cutout template, as shown (see pages 3-4).

Finishing the Installation

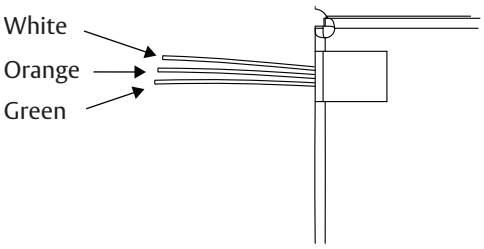
1 CONNECT power to the electric strike, and INSTALL into jamb using the hardware provided with the option kit.

Wiring

Diagram 1: Latchbolt Monitor (LBM)	
White	Common
Orange	Normally Open
Green	Normally Closed

NOTE: The state of switch is listed for an unpowered strike and LBM in unactuated (door open) position.

Diagram 1: LBM Wiring



Converting the Operation Mode

The suitability of the locks in the FAIL SECURE OPERATION mode is up to the local Authority Having Jurisdiction (AHJ) and emergency exit hardware may be required in such installations.

Because the electric strike ships in fail secure mode, COMPLETE the following steps to convert to fail safe mode as shown in Diagram 2.

1 REMOVE the cotter pin from the solenoid linkage.

2 REMOVE the solenoid mounting screw and washers.

3 REMOVE the solenoid from the keeper module.

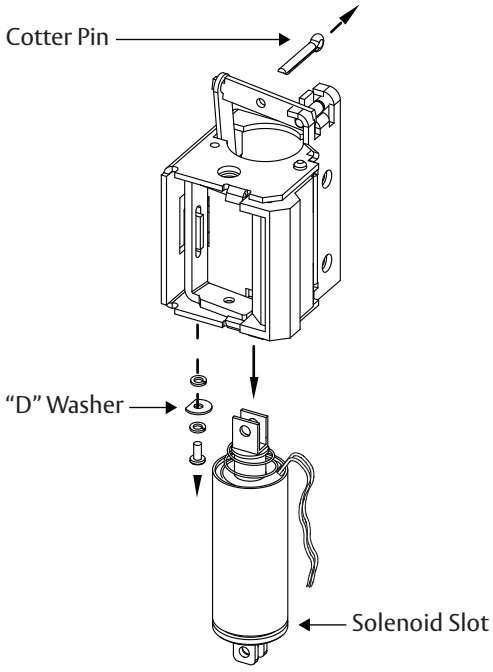
4 TURN the solenoid upside down, and RE-INSERT it into the keeper module.

5 RE-INSTALL the mounting screw and washers at the opposite end of the keeper module, and ENSURE the "D" washer is positioned firmly into the solenoid slot.

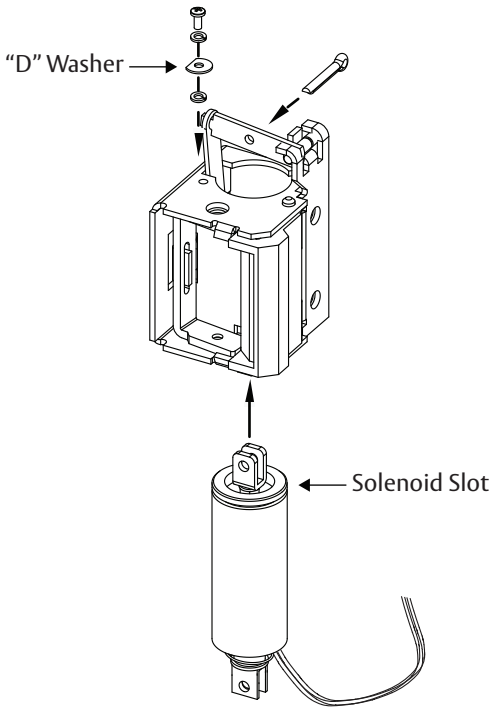
6 REPLACE the cotter pin to secure the solenoid linkage.

Diagram 2: Converting the Operation Mode

Fail Secure Mode



Fail Safe Mode



Installation *(continued)*

Adjusting the Horizontal

For 791 and 792 Options

1. LOOSEN the screws, but DO NOT REMOVE as shown in Diagram 3.
2. SHIFT the electric strike to the proper horizontal position and TIGHTEN the screws as shown in Diagram 3a.

Diagram 3:
Loosen Screws

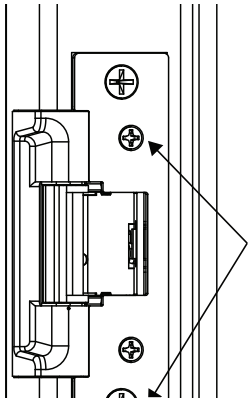
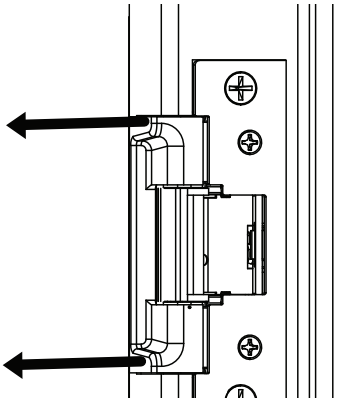


Diagram 3a:
Shift Positioning

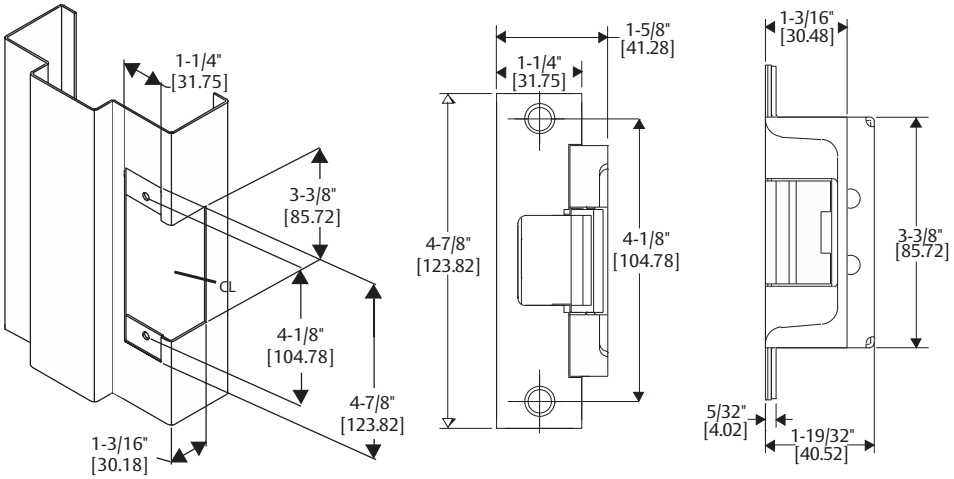


Cutout Templates

Inches [Millimeters]

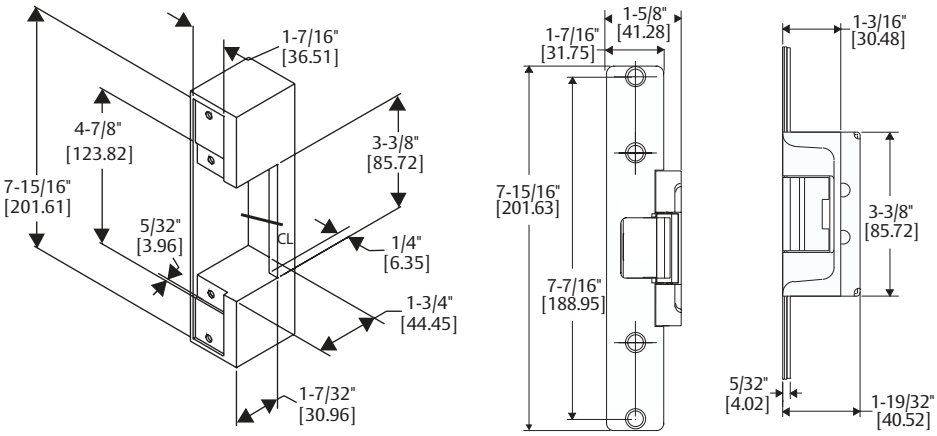
791

For use with Cylindrical locksets up to 5/8" throw.



792

For use with Cylindrical locksets up to 5/8" throw.



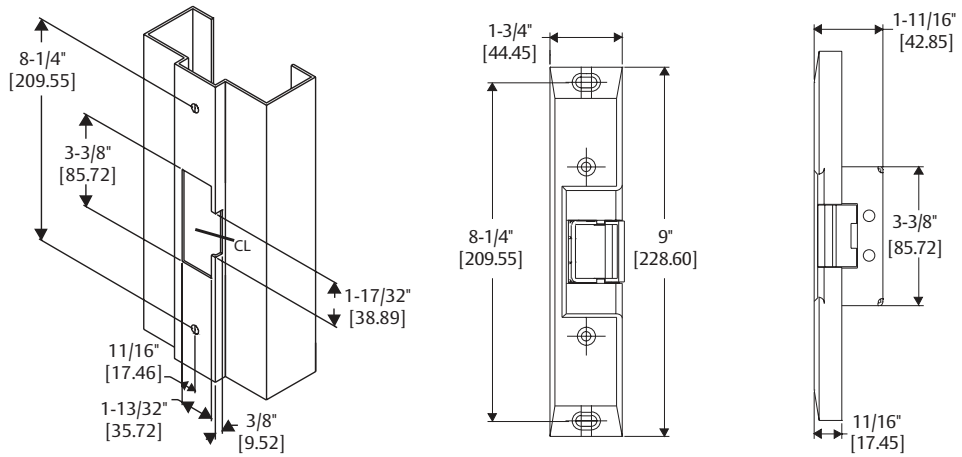
Cutout Templates *(continued)*

Inches [Millimeters]

783S

For use with RIM exit devices in metal jambs with up to a 3/4" pullman latch.

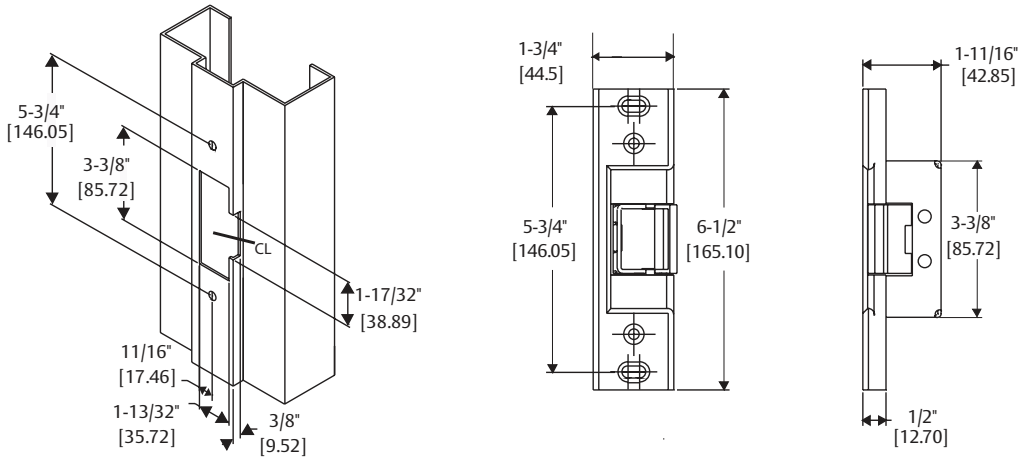
Compatible with American Device, Arrow, Dor-O-Matic, Monarch, Precision, Sargent, Von Duprin, and ASSA ABLOY ACCENTRA™ *(formerly Yale Commercial)*.



786S

For use with RIM exit devices in aluminum jambs and surface mounted vertical rod exit devices with up to a 3/4" pullman latch. Includes keeper socket adapter.

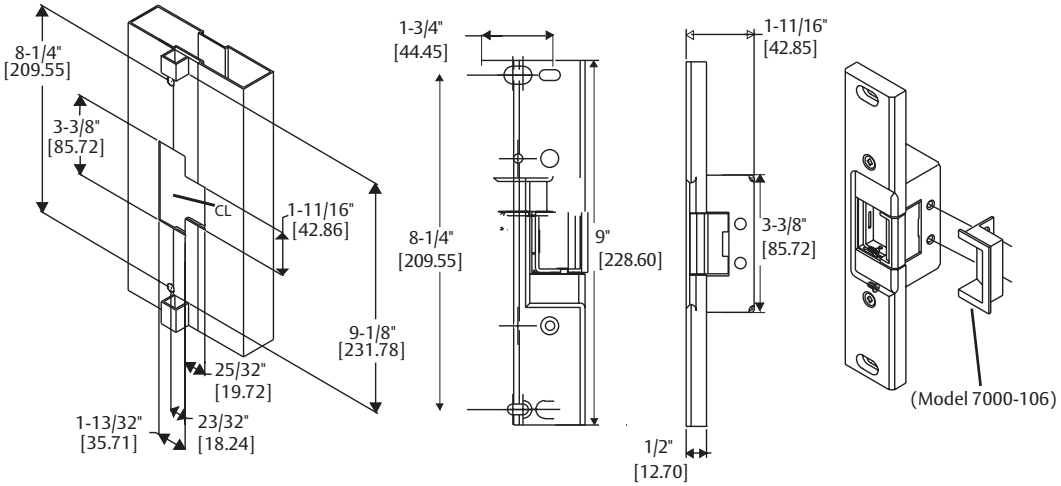
Compatible with American Device, Arrow, Dor-O-Matic, Jackson, Monarch, Precision, Sargent, Von Duprin, and ASSA ABLOY ACCENTRA™ *(formerly Yale Commercial)*.



789S

For use with RIM exit devices in aluminum jambs with up to a 3/4" pullman latch. Includes keeper pocket adapter.

Compatible with American Device, Arrow, Dor-O-Matic, Jackson, Monarch, Precision, Sargent, Von Duprin, and ASSA ABLOY ACCENTRA™ *(formerly Yale Commercial)*.



Warranty For information on warranty coverage and replacement options, please visit hesinnovations.com/warranty

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