

Electrified Locks, Relays and Timers

CX-ED1579L

'All-in-One' Fire Rated Electric Strike

INSTALLATION INSTRUCTIONS

THIS PACKAGE INCLUDES:

2 - 4 PIN Power Connectors	2 - Mounting Brackets	1 - Dress Plate	2 - m2 x 4mm Screws
4 - Wire Nuts	6 - Faceplates	4 - Keeper Shims	2 - Latch Monitors
2 - #10 x 1-1/4" Wood Screws	1 - Dead Bolt Bracket	1 - 4 Pin Latch Monitor	
4 - 12-24 x 1/2" Screws	2 - m3 x 5mm Screws	1 - M3 x 6mm screws	
	1 - Varistor	1 - Paper Template	



1. GENERAL DESCRIPTION

Camden CX-ED1579L Grade 1 Electric Strike for mortise and cylindrical locksets offer the very best strike quality and features, with the added value of built-in latch monitoring, six stainless steel faceplates and 'Universal' performance, including field selectable voltage and Fail Safe/Fail Secure operation.

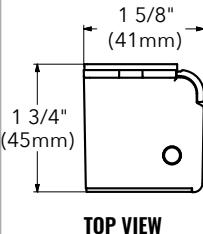
UL 294 Performance Levels

- Line Security = Level I
- Attack Level = Level I
- Endurance Level = Level IV
- Standby Power = Level I

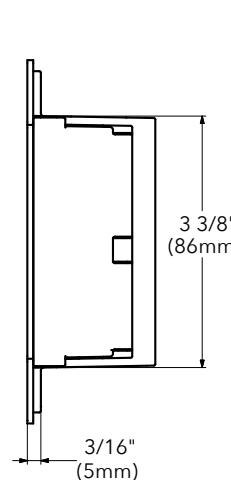
2. SPECIFICATIONS

Voltage	12/24V AC/DC
Current Draw	260mA@12V AC/DC 150mA@24V AC/DC
Static Strength	1,500 lbs.
Dynamic Strength	70 ft-lbs.
Endurance	1,500,000 Cycles (Factory Tested) 500,000 Cycles (UL Verified)
Fire Rating	UL 10C/CAN4-S104 3 hours (Fail Secure Only)
Mode	Field Selectable Fail Safe/Fail Secure
Operation	AC-Buzz, DC-Silent
Duty	Continuous
Latch Bolt Monitor	SPDT, 100mA @ 24V DC
Dimensions	4-7/8" H x 1-5/8" W x 1-3/4" D (124mm x 41mm x 45mm)

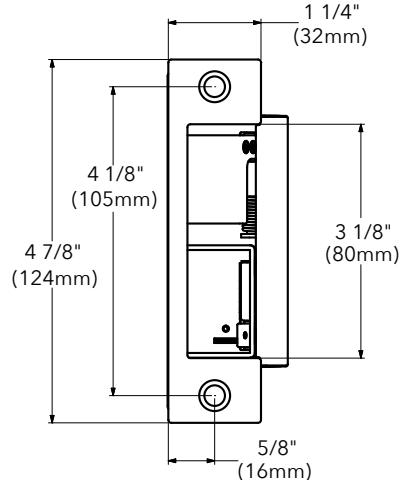
3. DIMENSIONS



TOP VIEW



SIDE VIEW



FRONT VIEW

Figure 3.1 Dimensions

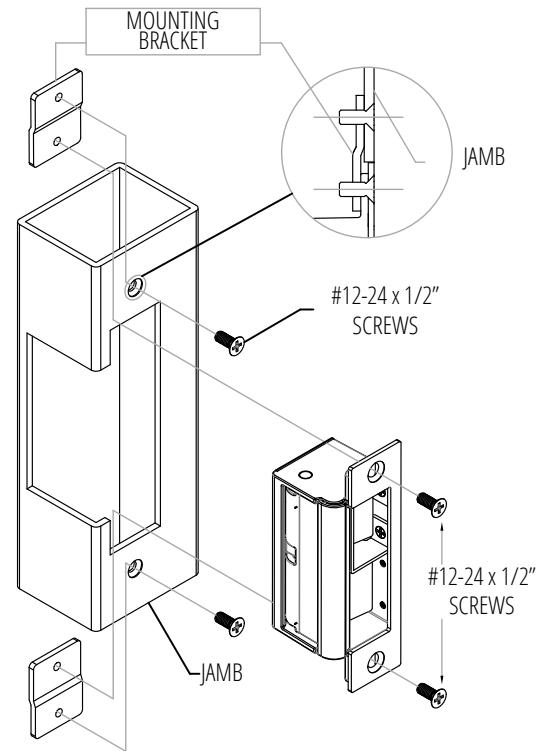
4. INSTALLATION

Note:

The products are intended to be installed in accordance with the installation wiring diagram, mechanical assembly drawings provided with each product, the local authority having jurisdiction (AHJ) and the National Electric Code, NFPA 70. When installed in fail secure mode, the local authority shall be consulted with regard to the use of possible panic hardware to allow emergency exit from the secure area.

The electric door strike shall be installed in such a way and in such a location so as to not impair the operation of an emergency exit device or panic hardware mounted on the door.

1. Prepare the door jamb as per appropriate drawing.
2. Install Mounting Brackets to jamb using #12-24 x 1/2" screws and pressed metal nuts. Do not tighten.
3. Spacers are used to assure flush final assembly of faceplate into jamb. Add one or more spacers between jamb and mounting bracket when the Faceplate extends beyond the jamb. When the Faceplate sits inside the jamb, spacers must be added between the mounting bracket and lip bracket. Ensure the clearance hole in the spacer aligns with the hole in the mounting bracket.
4. Connect wires coming from the low voltage side of the transformer to wires from the Strike.
5. Install Electric Strike jamb by attaching with #10-32 screws and lockwashers.
6. Tighten secure the #12-24 x 1/2" screws holding the mounting brackets to jamb.



Latch Bolt Monitor and Bracket Installation

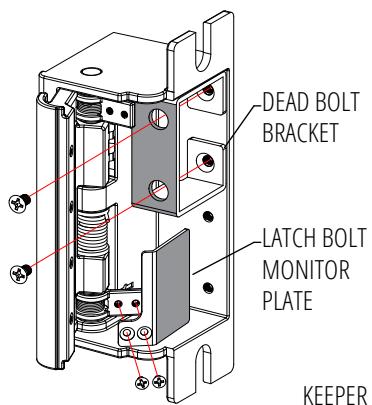


Figure 4.2

Keeper Shim Installation

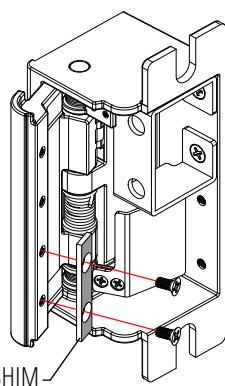


Figure 4.3

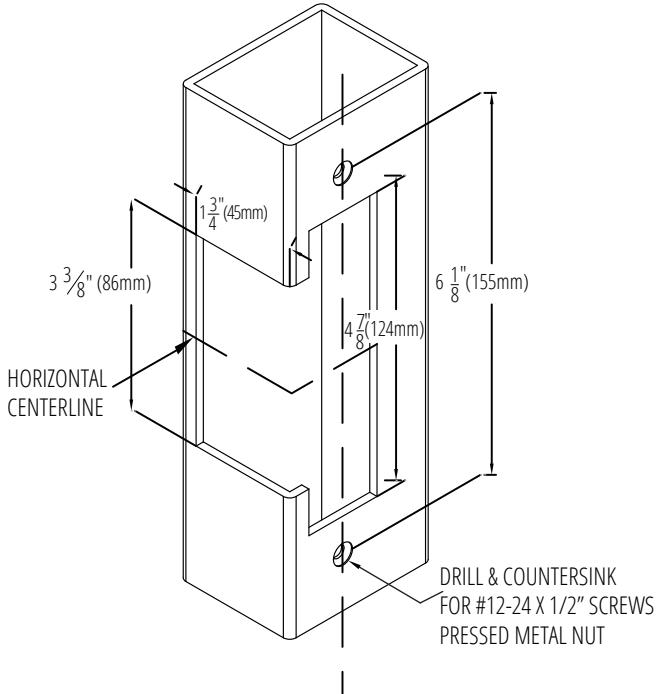


Figure 4.1 Electric Strike Installation

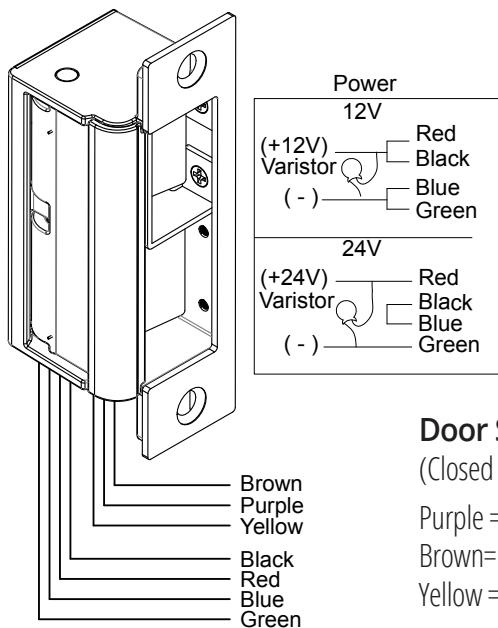
Note:

Figures 4.2 and 4.3 show typical installation. The Dead Bolt Bracket, Monitor Plate and Keeper Shims can be mounted in alternate locations depending on RH or LH installation.

5. CONNECTION

A varistor is provided to protect strikes from voltage spikes. Connect the varistor between two input wires. The connection of varistor varies based on input voltage. Please see below for more details:

POWER		24V AC/DC	
12V AC/DC	24V AC/DC	Red	+24V
Red/Black	+12	Red	+24V
Blue/Green	Ground	Black/Blue	-
		Green	Ground



Note:

For UL 294 / UL 1034 compliance the door strikes are to be powered via a UL 294/ UL 603 class 2 power limited output from a control panel and or power supply. Furthermore, when powered by AC/DC the units shall use a UL regulated UL 294/ UL 603 power limited class 2 output rated 12/24V with AC on indicator.

Door Status Sensor (Closed Position)

Purple = N/O

Brown = N/C

Yellow = COM

Figure 5.1 Connection

6. OPERATION

The strike is designed to operate in fail-secure mode by default. However, if needed, it can be changed to fail-safe mode by adjusting the mode screw as follows (See figure 6.1):

1. Loosen the screw as per the product diagram below.
2. Rotate the set plate 180° and slide the plate until it is properly seated.
3. Tighten the screw.

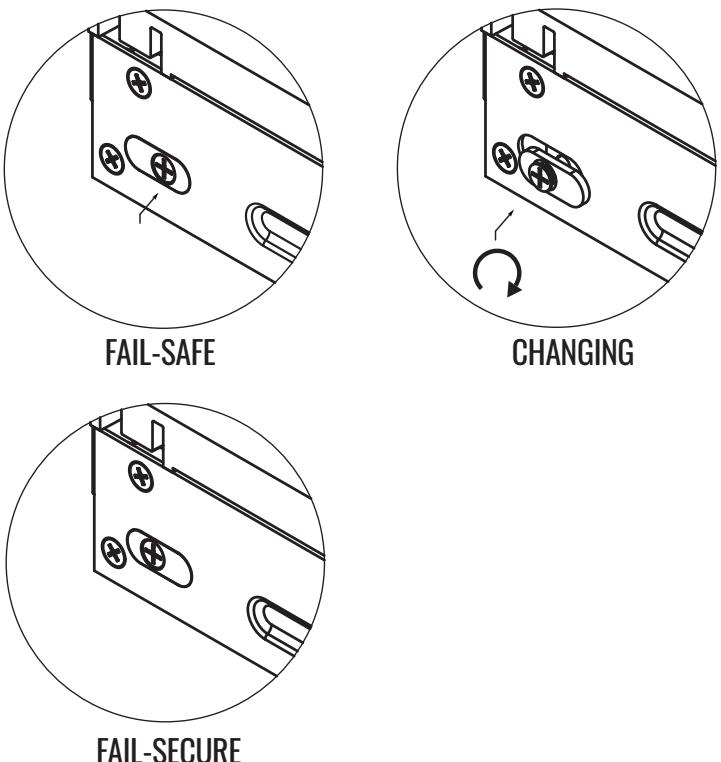
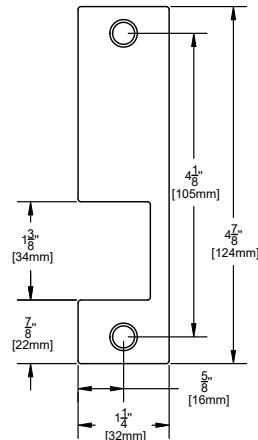
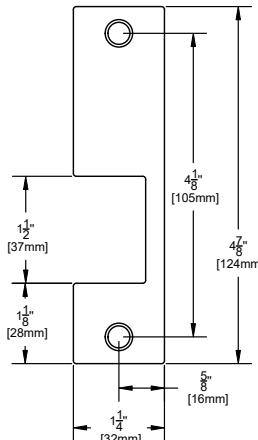


Figure 6.1 Mode change

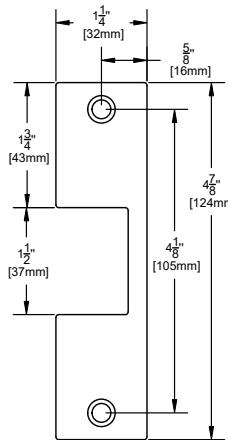
7. FACEPLATES



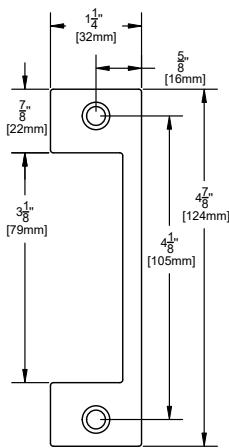
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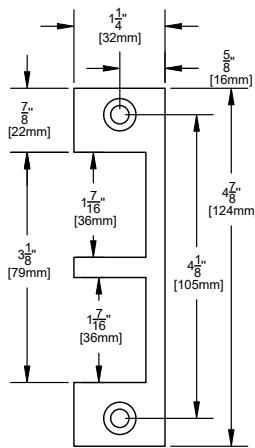
CX-EMP-2:



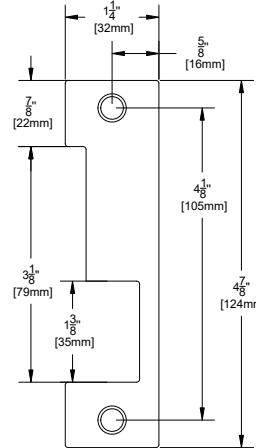
CX-EMP-3:



CX-EMP-4:



CX-EMP-5:



CX-EMP-6: