Electrified Locks, Relays and Timers

CX-ED1079 Series
'Universal' Electric Strike

INSTALLATION INSTRUCTIONS

SECURITY UL 1034 UL 294 LISTED
BHMA CERTIFIED

THIS PACKAGE INCLUDES:

1 - 4 PIN Power Connector (12V)
1 - 4 PIN Power Connector (24V)
1 - 3 PIN Door Status Connector (with 'L' Models)
3 - ESP1B, ESP3B and ESP4B Faceplates
4 - Wire Nuts
2 - #10 x 1-1/4" Wood Screws
4 - #12-24 X 1/2 Screws
1 - Paper Template
2 - Mounting Brackets
1 - Varistor
1 - Dress Plate

1. GENERAL DESCRIPTION

Camden CX-ED1079 Series Grade 1 ANSI strikes for cylindrical locksets offer the very best strike quality and performance, with three stainless steel faceplates provided. The 'Universal' strike design delivers unparalleled application flexibility, with field selectable voltage, fail safe/fail secure operation and mechanical adjustment of the strike body.

2. SPECIFICATIONS

Voltage	12/24V AC/DC
Current Draw	260mA@12V DC 150mA@24V DC
Static Strength	1,500 lbs.
Dynamic Strength	70 ft-lbs.
Endurance	1,000,000 Cycles (Factory Tested) 500,000 Cycles (UL Verified)
Mode	Field Selectable Fail Safe/Fail Secure
Mech. Adjustment	Strike Body/Faceplate
Operation	AC-Buzz, DC-Silent
Duty	Continuous
Latch Bolt Monitor	SPDT, 100mA @ 24V DC
Dimensions	**CX-ED1079L:** 4-7/8" H x 1-7/8" W x 1-7/32" D (124mm x 47mm x 31mm) **CX-ED1079DL:** 4-7/8" H x 1-7/8" W x 1-3/8" D (124mm x 47mm x 35mm)
Approvals	UL Listing #BP10200 for UL 1034 & UL 294 BHMA Certified ANSI A156.31

UL 294 Performance Levels

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

3. DIMENSIONS

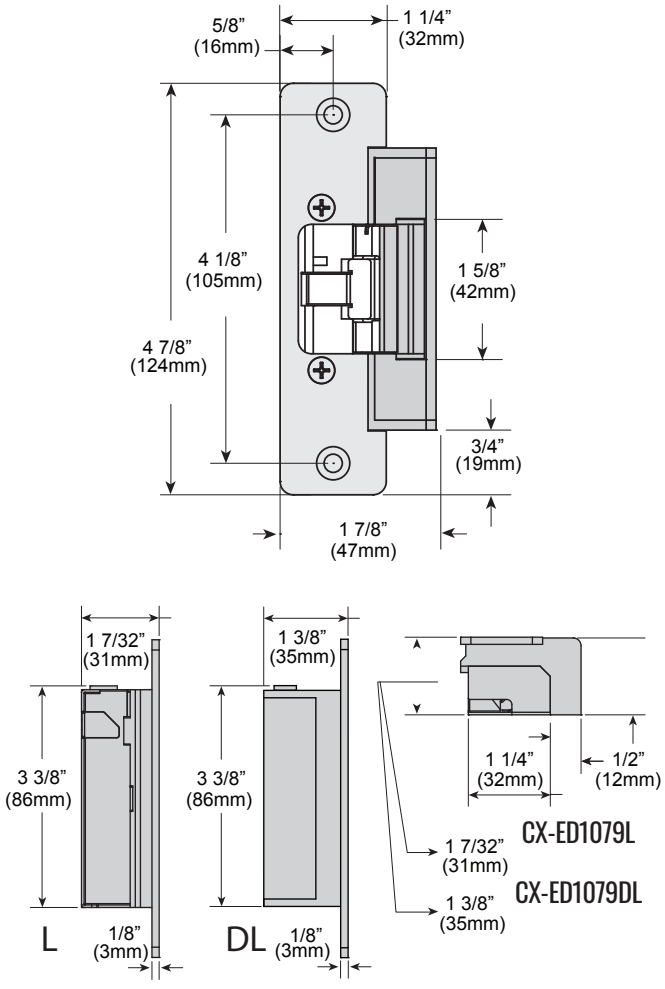


Figure 3.1 Dimensions

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.

- Choose the appropriate option based on the type of frame or gate you have. For a wooden jamb, drill holes using #21 drill bit (0.1590") to install the strike and use supplied #10 - 1 x 1/4" self-tapping screws for mounting.

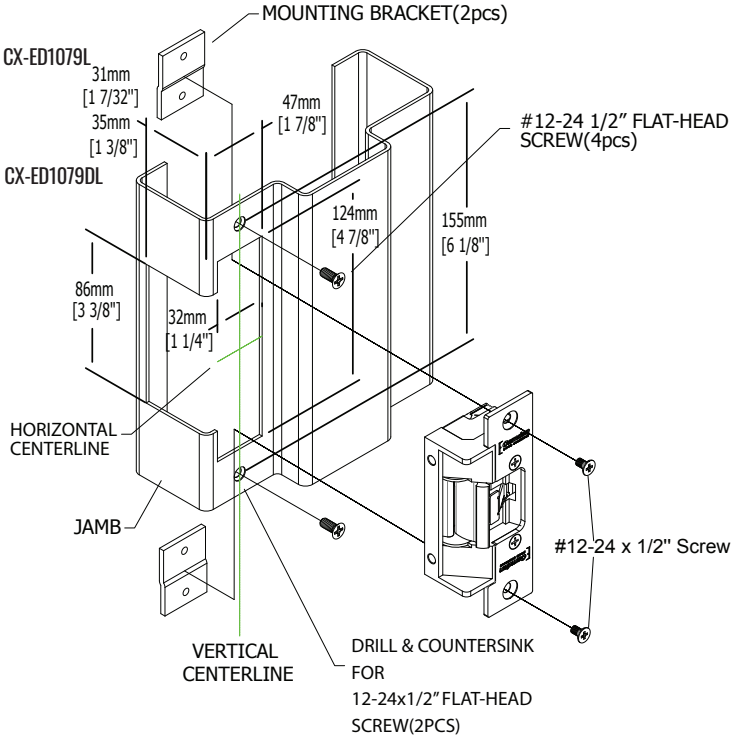
Option 1 For Hollow Metal Frame

1. Determine the location where the electric strike will be installed on the door frame. This should align with the location of the latch on the door.
2. Mark the outline of the electric strike on the jamb using a pencil or marker.
3. Using a chisel, router, or jamb saw, cut out the mortise in the jamb along the marked outline. The size of the mortise should match the size of the electric strike. Make sure to cut to the depth specified in figure 4.1.
4. Drill holes to mount the provided mounting bracket using 1/4" drill bits.
5. Use provided #12 - 24 x 1/2" machine screws to mount the brackets included in the package.
6. Test fit the electric strike in the mortise. Make any necessary adjustments to ensure a proper fit.
7. Mount the strike onto the bracket using the included #12 - 24 x 1/2" machine screws.

Option 2 For ANSI Frame

8. Make sure that the door jamb/gate has an appropriate cutout to accommodate strike assembly, If not then, refer to the figure 4.1 and cut the jamb if required.
9. Use the supplied #12 - 24 x 1/2" machine screws to secure it.

Hollow Metal Frame



ANSI Frame

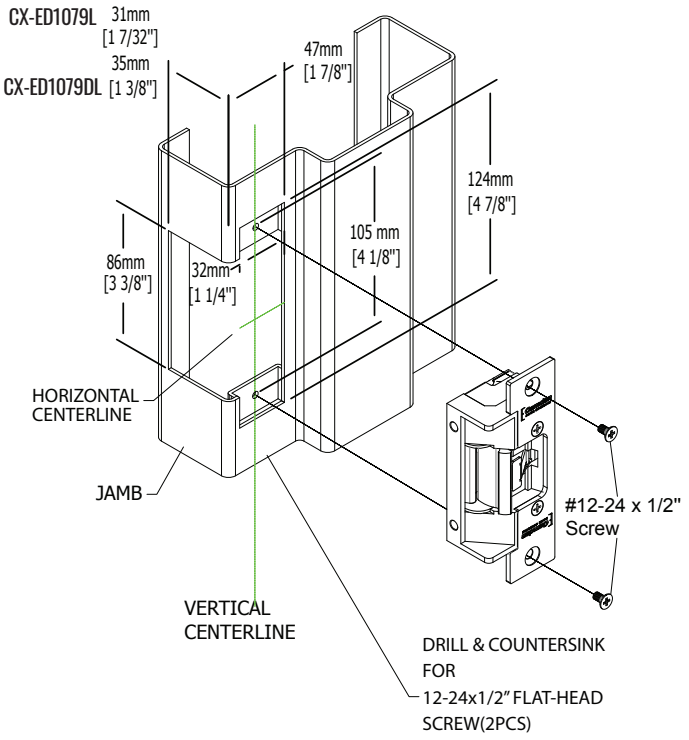


Figure 4.1

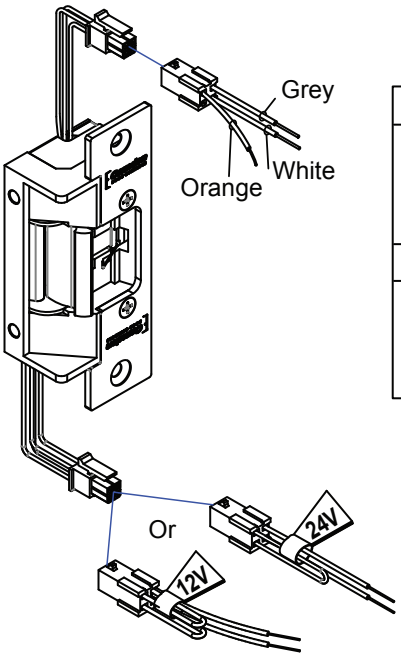
5. CONNECTIONS

1. Firstly, verify that voltage required to operate Electric strike is compatible with supply voltage of the installation.

   POWER: Red/Black, Blue/Green (12 VDC)
   Red, Black/Blue, Green (24 VDC)
   Red/Green (Short Black, Blue)

2. Splice strike wire with the supplied wire and make sure to attach provided varistor as described.
3. 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	Varistor Connection	
	+ve end	-ve end
12V	Red/Black	Blue/Green
24V	Red	Green



FOR CUT WIRES

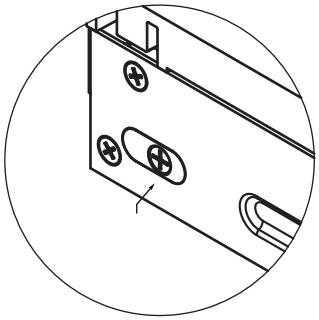
12V	
(+12V) Varistor (-)	Red, Black, Blue, Green
24V	
(+24V) Varistor (-)	Red, Black, Blue, Green

Door Status Sensor
(Closed Position)
With 'L' Models
White = N/O
Grey = N/C
Orange = COM

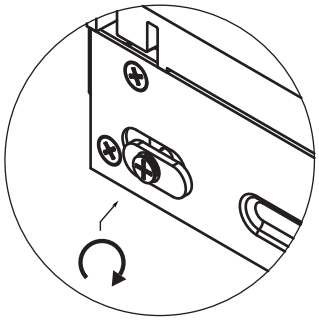
6. OPERATION

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 figures to the right):

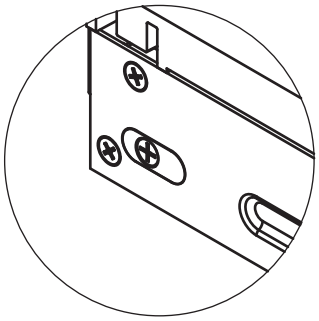
1. Loosen the mode screw.
2. Rotate the set plate 180° and slide the plate until it is properly seated.
3. Tighten the screw.



FAIL-SAFE



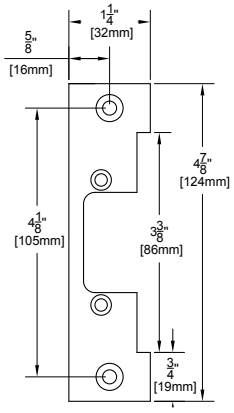
CHANGING



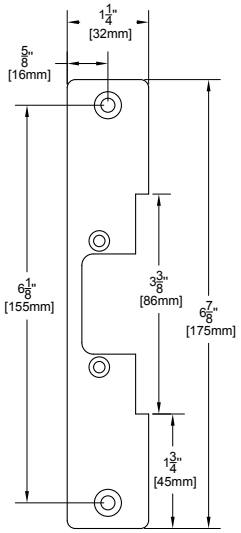
FAIL-SECURE

7. FACEPLATES

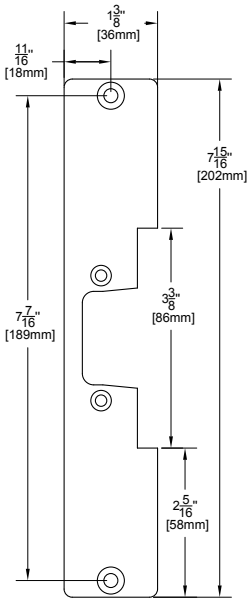
INCLUDED IN PACKAGE



CX-ESP1B - ANSI SQUARE

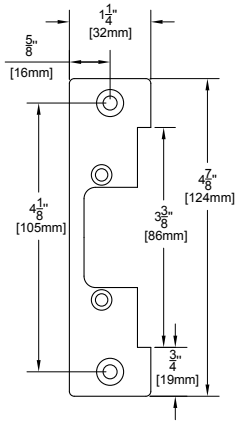


CX-ESP3B - HOLLOW METAL DOOR

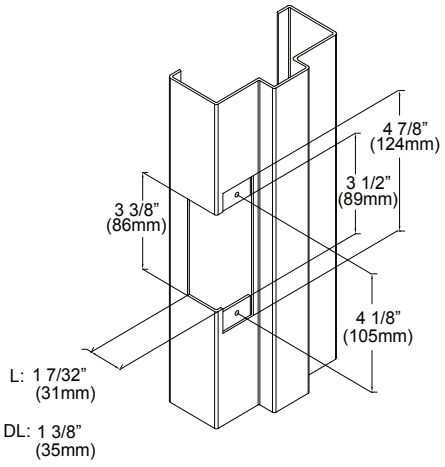


CX-ESP4B - WOOD DOOR

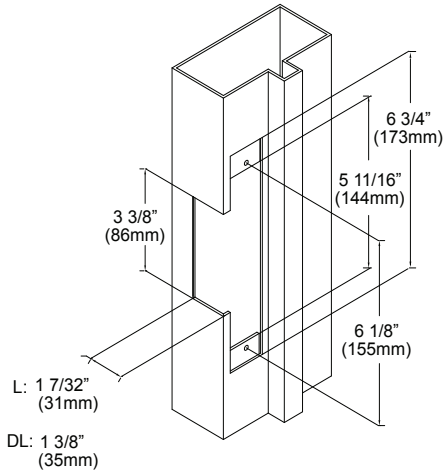
ADDITIONAL FACEPLATE



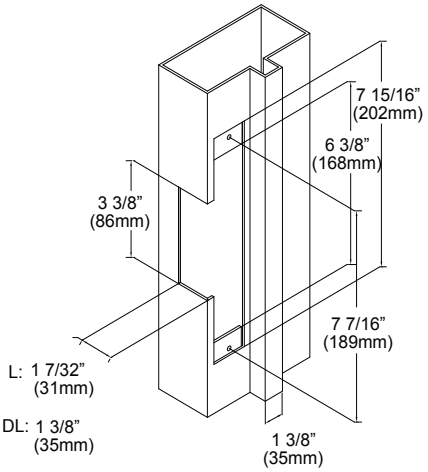
CX-ESP2B - ANSI ROUND



CX-ESP1B | CX-ESP2B



CX-ESP3B



CX-ESP4B