

Electrified Locks, Relays and Timers

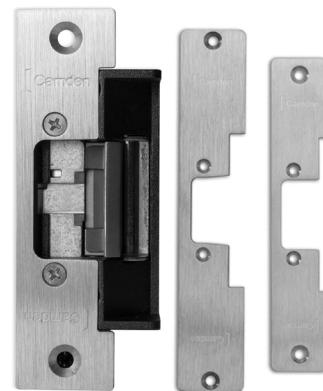
CX-ED2071

Electric Strike

INSTALLATION INSTRUCTIONS

THIS PACKAGE INCLUDES:

1 - ESP1B, ESP3B and ESP4B Faceplates	1 - Dress Plate
4 - Wire nuts	2 - Mounting Brackets
2 - #10 x 1-1/4" Wood Screws	1 - Varistor
4 - #12-24 X 1/2 Screws	3 - Paper Templates



BHMA
CERTIFIED

1. GENERAL DESCRIPTION

Camden CX-ED2071 low profile Grade 2 ANSI strike for cylindrical locksets offers the very best strike quality and performance, with three stainless steel faceplates provided. The 'Universal' strike design delivers unparalleled application flexibility, fail safe/fail secure operation and mechanical adjustment of the strike body.

2. SPECIFICATIONS

Voltage	8/16V AC/DC
Current Draw	305mA@8V DC 190mA@8V AC 625mA@16V DC 460mA@16V AC
Static Strength	1,000 lbs.
Dynamic Strength	50 ft-lbs.
Endurance	700,000 Cycles
Mode	Field Selectable Fail Safe/Fail Secure
Mech. Adjustment	Strike Body/Faceplate
Operation	AC-Buzz, DC-Silent
Duty	Intermittent
Dimensions (Body)	4-7/8" H x 1-7/8" W x 1-7/32" D [124 mm x 47mm x 31mm]
Approvals	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

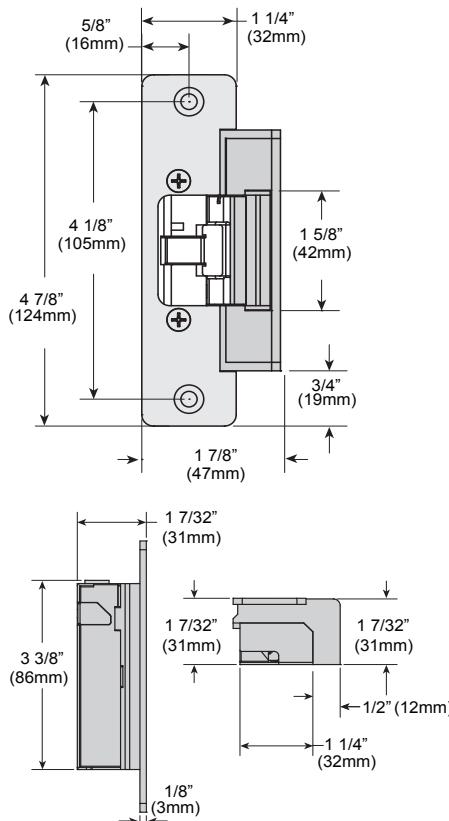


Figure 3.1 Dimensions

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.

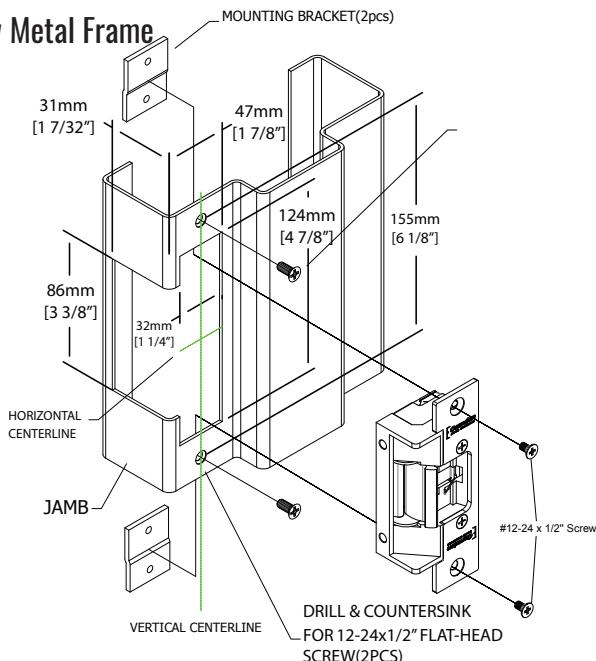
4. INSTALLATION

Note: 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.

Hollow Metal Frame



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.

ANSI Frame

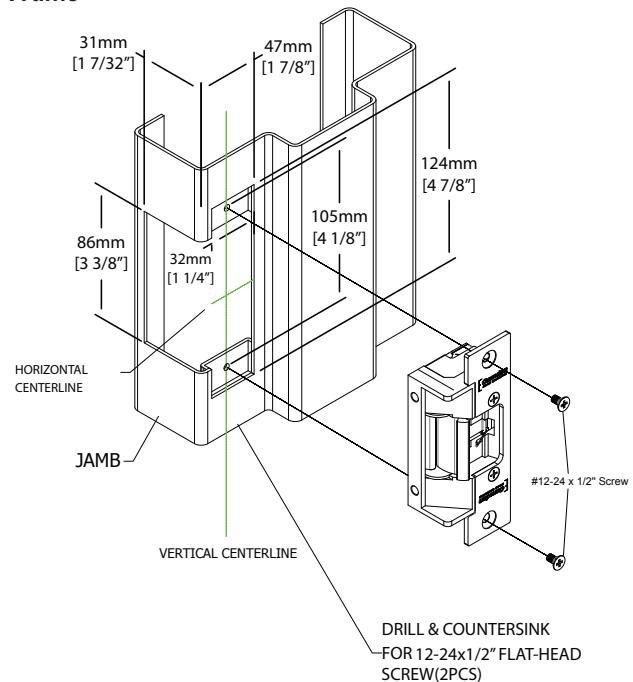


Figure 4.1

5. CONNECTIONS

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

Note: The door strikes are to be powered via a class 2 power limit output from a control panel or power supply that is UL listed to UL Burglar Alarm/Access control standards.

Power	Varistor Connection	
	+ve end	-ve end
8V/16V AC/DC	Red	Red

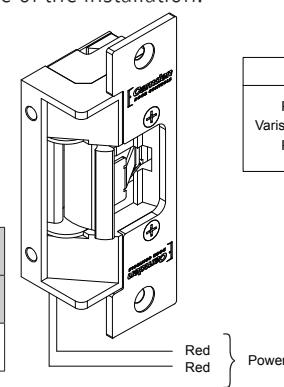
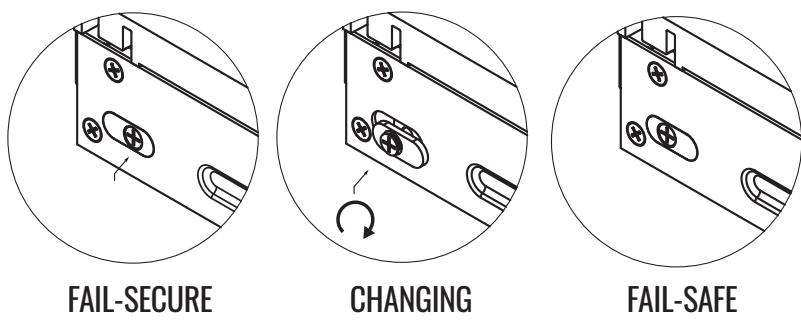


Figure 5.1

6. OPERATION

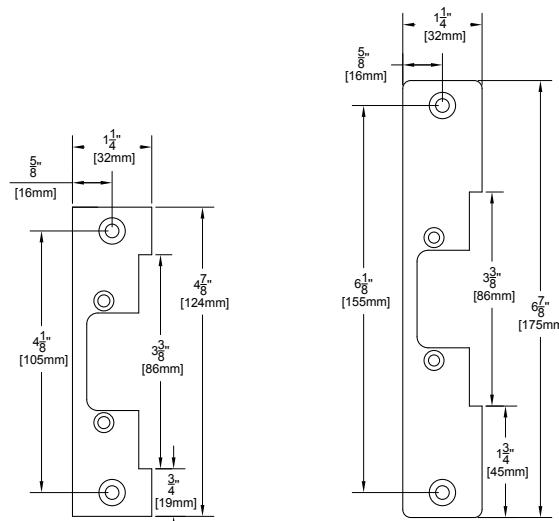
The strike is designed to operate in fail-secure mode by default. However, if needed, it can be changed to fail-safe mode by adjusting the mode screw as follows (See figures to the right):

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

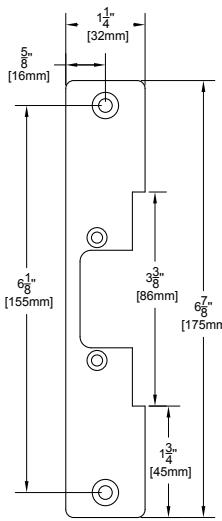


7. FACEPLATES

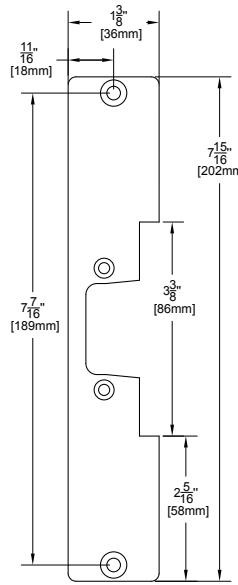
INCLUDED IN PACKAGE



ESP1B - ANSI SQUARE

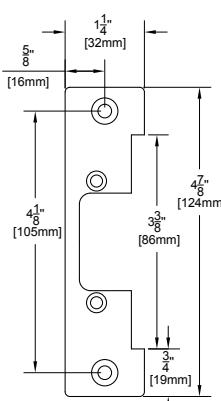


ESP3B - HOLLOW METAL DOOR

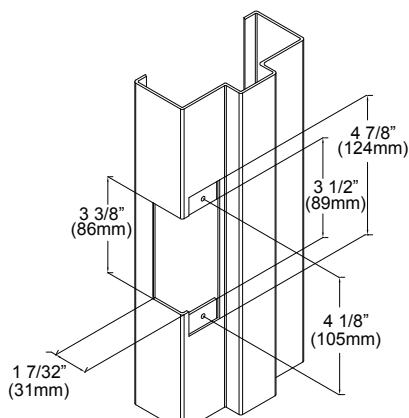


ESP4B - WOOD DOOR

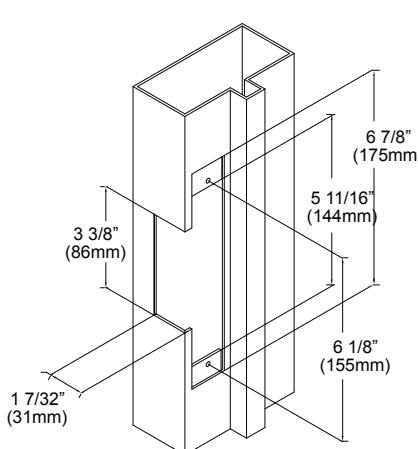
ADDITIONAL FACEPLATE



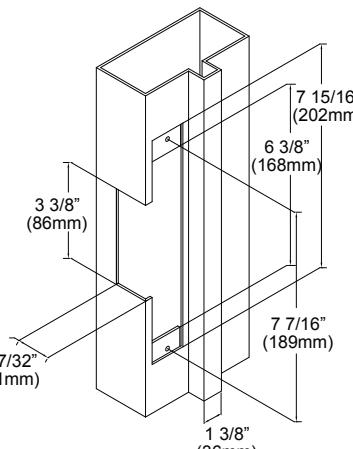
ESP2B - ANSI ROUND



ESP1B - ESP2B



ESP3B



ESP4B