

CX-ED1959 Outdoor Gate Electric Strike

INSTALLATION INSTRUCTIONS

THIS PACKAGE INCLUDES:

- | | | |
|--------------------------------|---------------------------------------|-----------------------------------|
| 1- 4 PIN power connector (12V) | 2- Mounting brackets | 4- #12 - 24 x 1/2" machine screws |
| 1- 4 PIN power connector (24V) | 1- Varistor | 1- Mounting Box |
| 4- Wire nuts | 2- #10 - 1 x 1/4" self-tapping screws | 1- Paper Template |



1. GENERAL DESCRIPTION

Camden CX-ED1959-MB Grade 1 Outdoor Gate Strike for cylindrical and mortise locksets (without dead bolts) offers best-in-class strike quality, performance and durability. The universal design delivers unparalleled application flexibility, with field selectable voltage and fail safe/fail secure operation for use in wood or metal jambs.

2. SPECIFICATIONS

Voltage	12/24V DC
Current Draw	280mA / 140mA
Static Strength	1500 lbs
Dynamic Strength	70 ft-lbs
Endurance	1,000,000 Cycles (Factory Tested) 500,000 Cycles (UL Verified)
Latch Open/Ins	1-9/16" x 7/8" (40mm x 22mm)
Mode	Field Selectable Fail Safe/Secure
Duty	Continuous
Dimensions (Body)	4-7/8"H x 1-5/8"W x 1-11/16"D (124 mm x 41mm x 43mm)
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

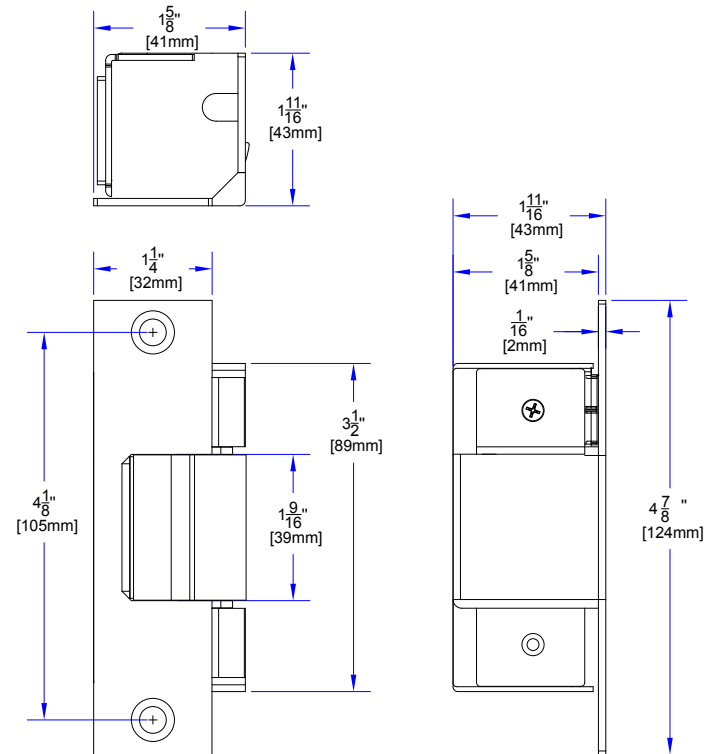


Figure 3.1

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 electric code, NFPA 70. When installed in fail secure mode, the local authority shall be consulted with the regards 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 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.

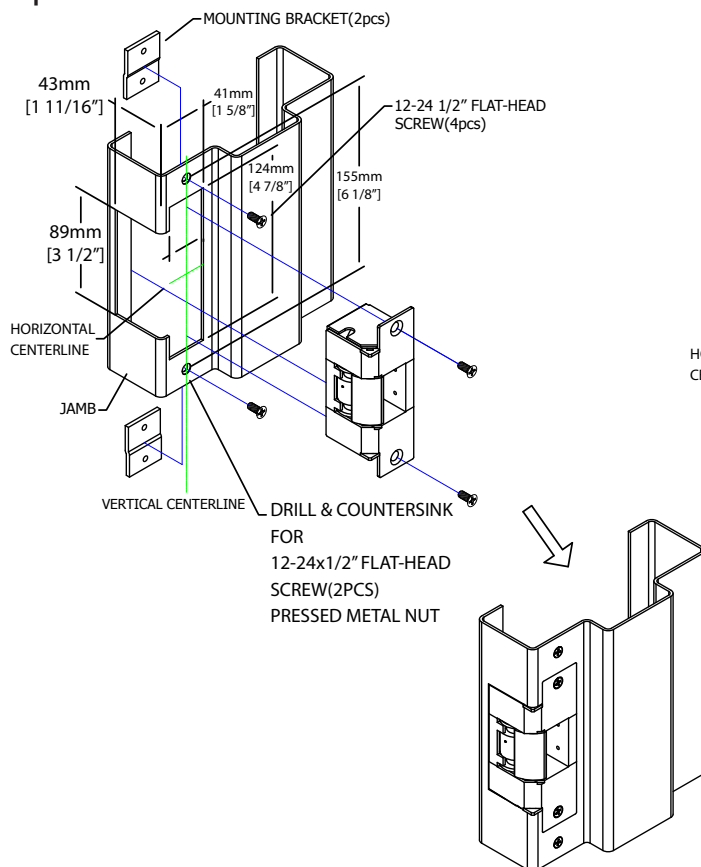
Option 2 For ANSI Frame

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.

Option 3 Gate Mounting

10. Secure the supplied mounting box onto the gate through welding or with the help of screws (see figure 4.3).
11. Secure the strike inside the box with the help of supplied #12 - 24 x 1/2" machine screws (see figure 4.2).
12. Run the wires from the electric strike through the jamb and into the door. Connect the wires to the appropriate terminals on the electric strike as mentioned in section 5.

Option 1: Hollow Metal



Option 2: ANSI

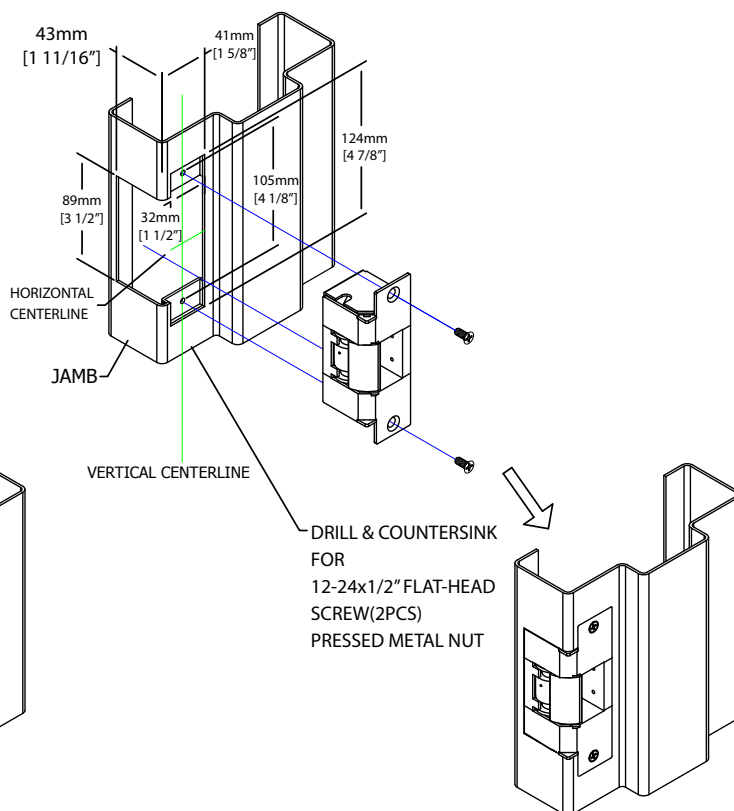


Figure 4.1

Option 3: Gate Mounting

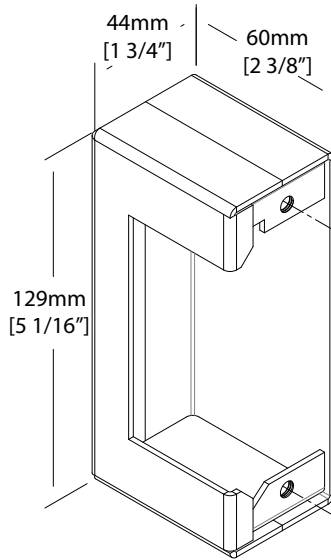


Figure 4.2

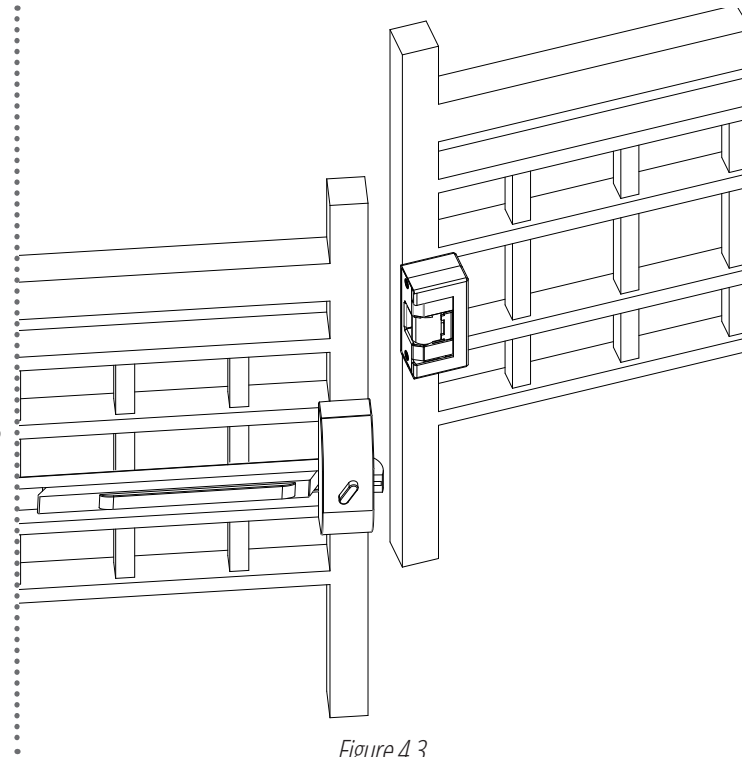


Figure 4.3

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

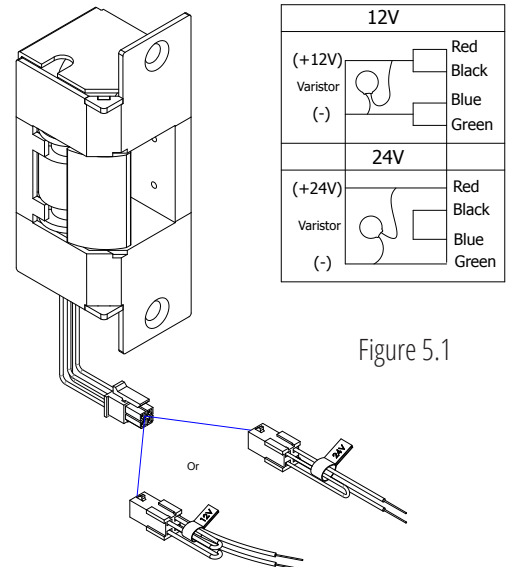


Figure 5.1

6. OPERATION (FAIL-SAFE/FAIL-SECURE MODE)

The strike comes with **fail-secure** mode by default. However, it can be changed by reversing the direction of solenoid and spring.

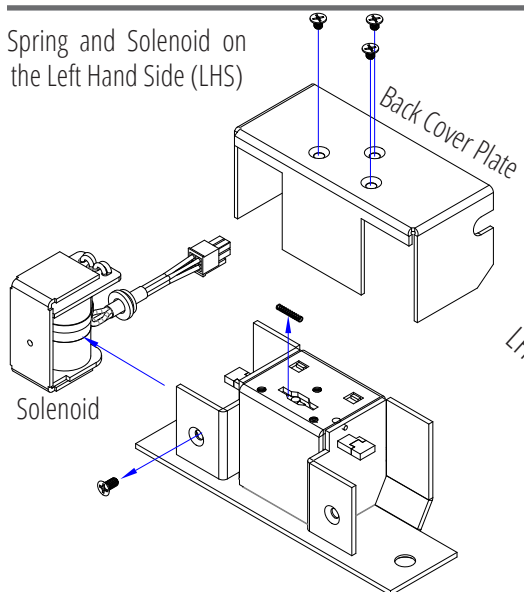
To change the direction of the solenoid, kindly refer following steps:

1. Loosen and remove the screws from the back of the strike as shown in the Figure 6.1.
2. Remove the back cover plate from the assembly.
3. Loosen and remove solenoid screw and change solenoid position as per requirements. By-default the solenoid must be located to the Left Hand Side (Fail - secure mode).

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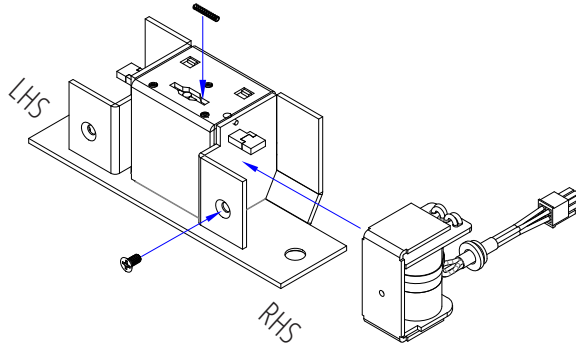
INSTALLATION INSTRUCTIONS

Spring and Solenoid on the Left Hand Side (LHS)



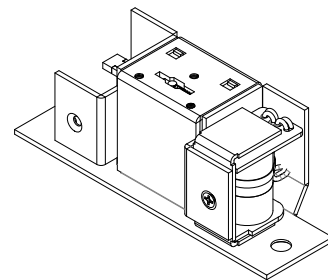
Fail Secure (Default mode)

LHS



RHS

Spring and Solenoid on the Right Hand Side (RHS)



Fail Safe

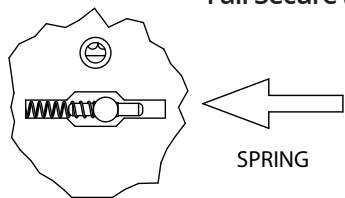
Figure 6.1

To change the direction of the spring, kindly refer following steps:

- Remove the tiny spring, shift the slider to the other side, and reinsert the spring. By-default the spring must be located to the Left Hand Side (Fail - secure mode) (See Figure 6.2)
- For reassembling, repeat the process in reverse chronological order.

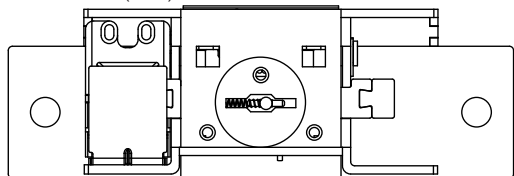
Note: The spring is very delicate and needs to be handled with care.

Fail Secure (Default mode)

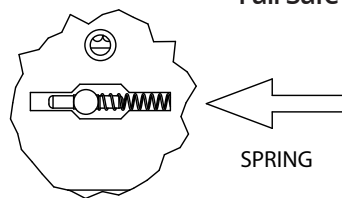


SPRING

Spring and Solenoid on the Left Hand Side (LHS)



Fail Safe



SPRING

Spring and Solenoid on the Right Hand Side (RHS)

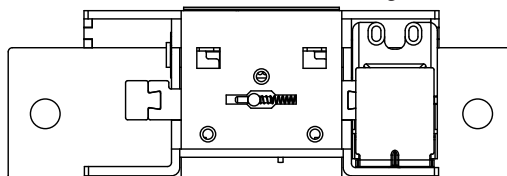
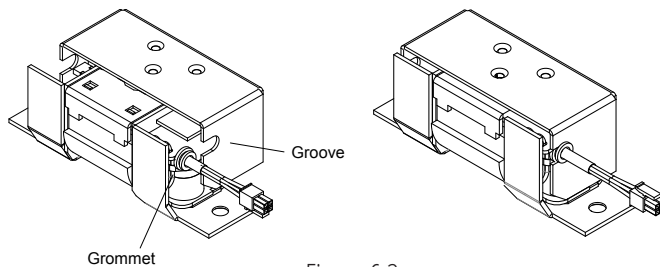


Figure 6.2 Spring

Important Note: After making any changes mentioned above, make sure that the rubber Grommet sits accurately into the groove of the back cover plate as shown in figure 6.3 while reassembling.



Grommet

Figure 6.3