

Electric Strike Installation Instructions

ESV100 Series

Specifications

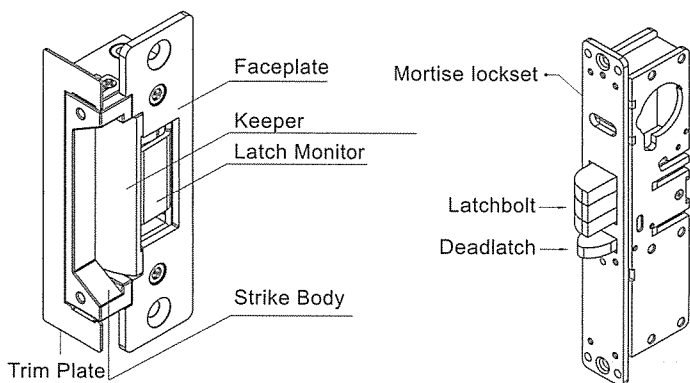
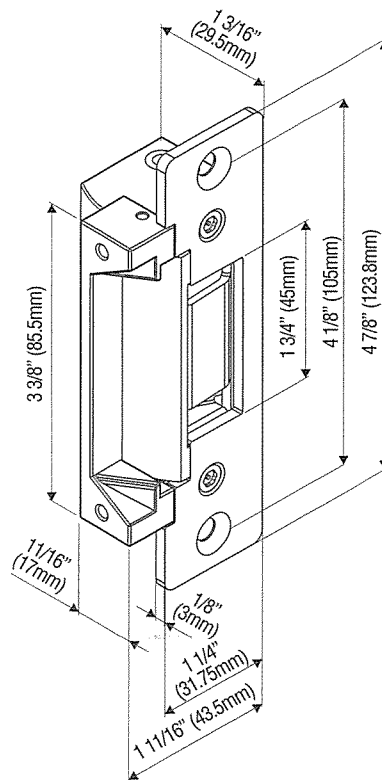
The strike is polarity insensitive

ESV100 series of electric strikes are designed for use with cylindrical and mortise locksets without deadbolt in hollow meta I, aluminum and wood jambs. The strikes can be configured to fail-safe or fail-secure on site.

Operating Voltage	12VDC or 24VDC or 12/24VDC
Current Draw	Single Voltage: 250mA/12VDC or 150mA/24VDC Dual Voltage: 300mA/12VDC, 150mA/24VDC
Operating Temperature	For indoor use: + 14°F to + 120°F (-10°C to +49°C) For outdoor use: -31°F to +151°F (-35°C to +66°C)
Humidity	0% to 85% Non-condensing
Latch Throw	9/16" (15mm)
Keeper Width	1 3/4" (45mm)
Static Strength	1500 lbs (680Kg)
Dynamic Strength	70 ft-lbs
Performance Level	Destructive Attack: Level I Line Security: Level I Standby Power: Level I Endurance: Level IV

Model	Latch Monitor	Endurance (Cycles)	Body Construction	Frame	Latch Throw
ESV100	—	250,000	Zinc Alloy	Hollow Metal	9/16" (15mm)
ESV100M	●	100,000			

ESV100

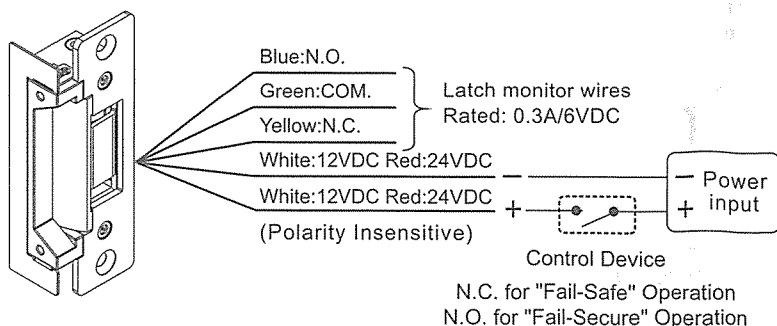


UL Requirements

- Wiring methods shall be in accordance with NFPA70.
- The ESV100 Series is intended to be used with UL Listed Exit Hardware.
- The ESV100 Series shall not impair the intended operation of an emergency exit.
- The ESV100 Series shall not impair the operation of panic hardware mounted on the door.

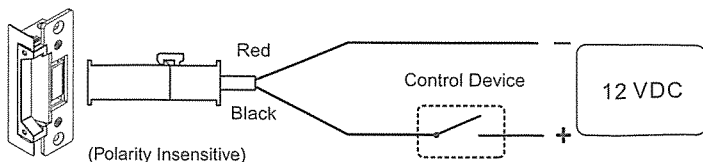
Wiring Diagrams

Single Voltage (12V or 24V)

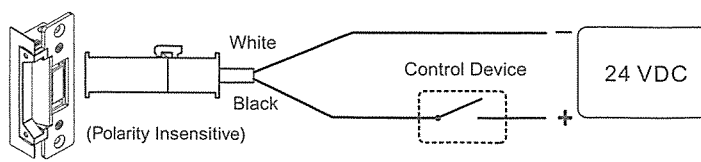


Dual Voltage (12V/24V)

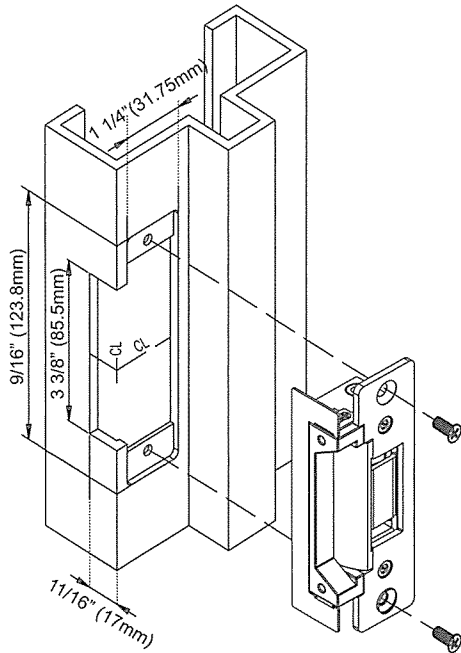
For 12VDC Operation:



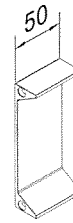
For 24VDC Operation:



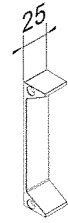
Installing on Wood Frame and Hollow Metal Frame:



Optional Lip Extension Brackets

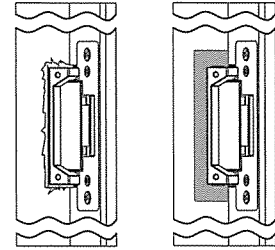


ESVEL50-100
2" (50mm)



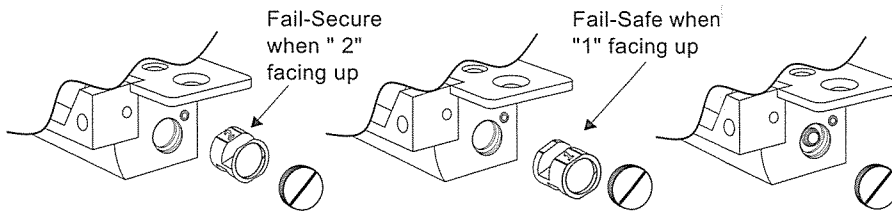
ESVEL25-100
1" (25mm)

Using the Trim Plate



In case of over-cutting, use the enclosed trim plate to cover up any errors.

Fail-Secure / Fail-Safe Reversible



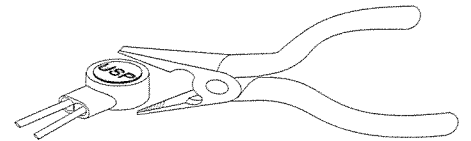
1. Remove the plug and take out the round screw.

2. Reverse the round screw.

3. Put back the round screw and plug.

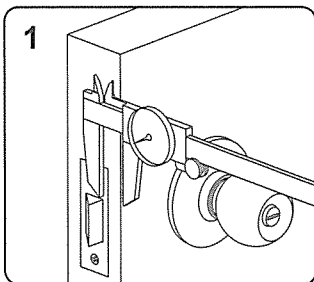
*Factory default setting is Fail-Secure.

Installing the Crimp Connectors

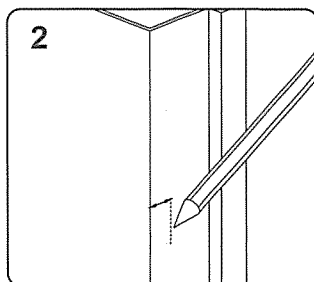


Place the wire inside the connector and use pliers to press down on the head of the connector evenly.

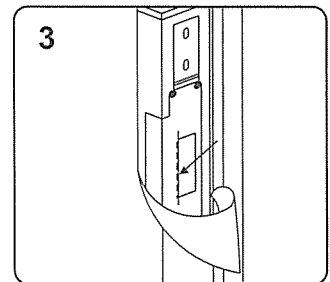
Installation Instructions



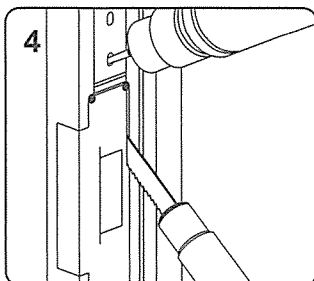
1 Measure the vertical and horizontal position of the latch bolt on the door leaf



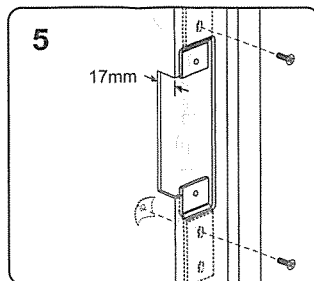
2 Mark the position of the latch bolt on the door frame as shown in figure



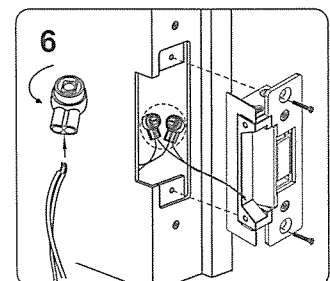
3 Align the installation template to the marked line



4 Drill the holes and cut the door frame as indicated by the template



5 Install the mounting tabs



6 Connect to the power and test the electric strike before finally mounting the unit



Note

Please ensure that there is no back pressure on the keeper from the latch. As with most strike this may cause the strike to bind and malfunction. It could also cause undo pressure on the solenoid and eventual failure of the strike.