

Electric Strike Installation Instructions

GK450/480 Series

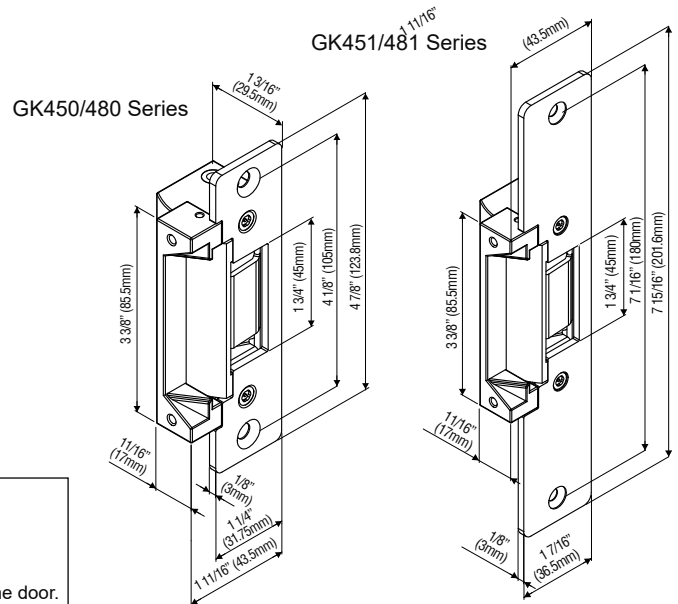
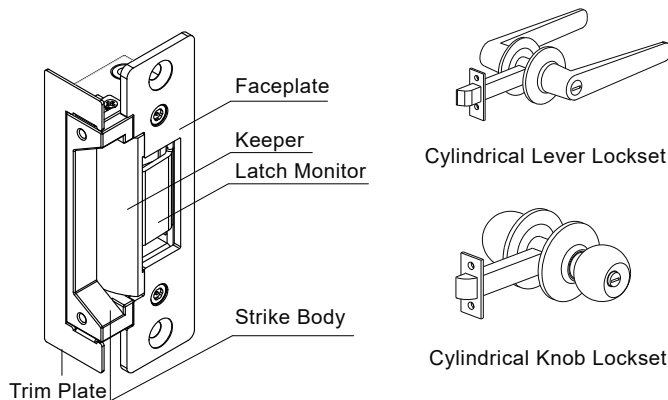
Specifications

The strike is polarity insensitive

GK450/480 series of electric strikes are designed for use with cylindrical and mortise locksets without deadbolt in hollow metal, aluminum and wood jambs. The strikes can be configured to fail-safe or fail-secure on site. Recommended for indoor use.

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)
Humidity	0% to 85% Non-condensing
Latch Throw	GK450/451 series: 9/16" (15mm) GK480/481 series: 3/4" (19mm)
Keeper Width	1 3/4" (45mm)
Static Strength	1500 lbs (680Kg)
Dynamic Strength	70 ft-lbs
Endurance	250,000 cycles (UL tested) 1,000,000 cycles (Factory tested)
Performance Level	Destructive Attack: Level I Line Security: Level I Standby Power: Level I Endurance: Level IV

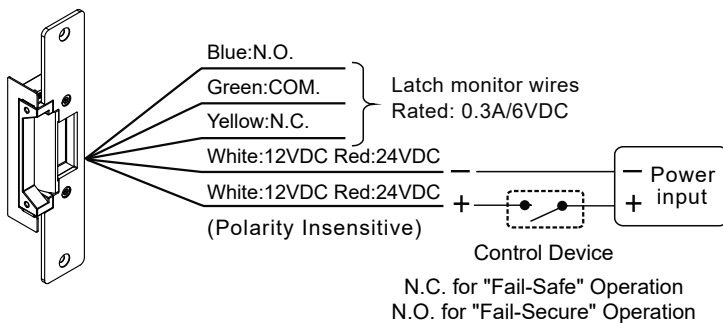
Model	Latch Monitor	Body Construction	Frame	Latch Throw
GK450	—	Zinc Alloy	Hollow Metal	9/16" (15mm)
GK450M	●			
GK450-ST	—	Stainless Steel	Hollow Metal	
GK450M-ST	●			
GK451	—	Zinc Alloy	Wood	
GK451M	●			
GK451-ST	—	Stainless Steel	Wood	
GK451M-ST	●			
GK480	—	Zinc Alloy	Hollow Metal	3/4" (19mm)
GK480M	●			
GK480-ST	—	Stainless Steel	Hollow Metal	
GK480M-ST	●			
GK481	—	Zinc Alloy	Wood	
GK481M	●			
GK481-ST	—	Stainless Steel	Wood	
GK481M-ST	●			



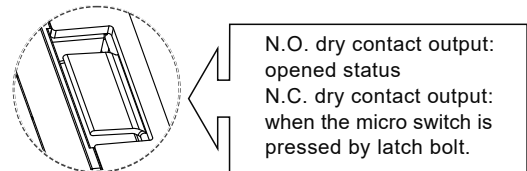
- UL Requirements**
- Wiring methods shall be in accordance with NFPA70.
 - The GK450/480 Series is intended to be used with UL Listed Exit Hardware.
 - The GK450/480 Series shall not impair the intended operation of an emergency exit.
 - The GK450/480 Series shall not impair the operation of panic hardware mounted on the door.

Wiring Diagrams

Single Voltage (12V or 24V)

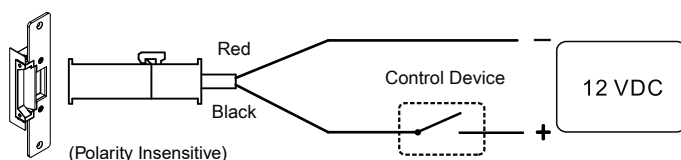


Latch Monitor

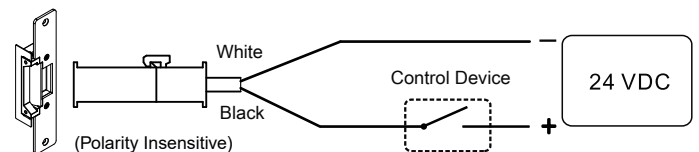


Dual Voltage (12V/24V)

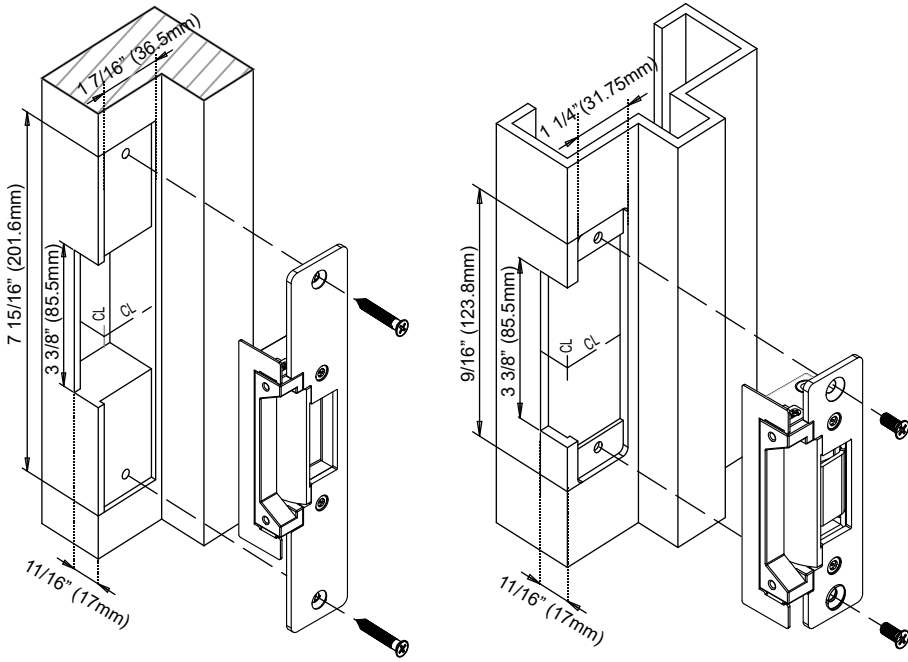
For 12VDC Operation:



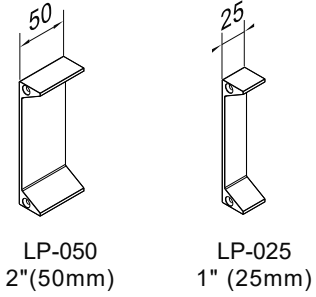
For 24VDC Operation:



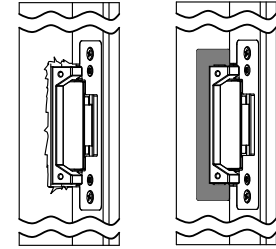
Installing on Wood Frame and Hollow Metal Frame:



Optional Lip Extension Brackets

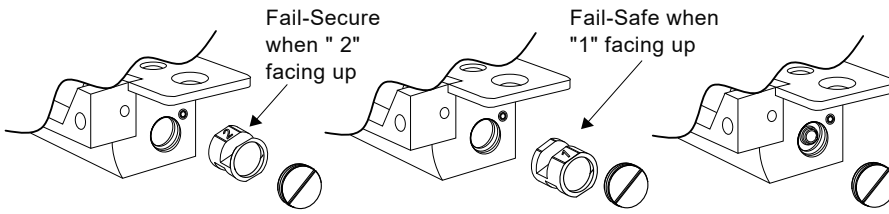


Using the Trim Plate



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

Fail-Secure / Fail-Safe Reversible



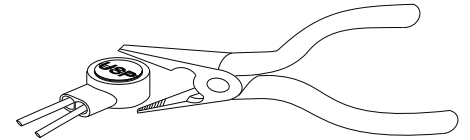
1. Remove the plug and take out the round screw.

2. Reverse the round screw.

3. Put back the round screw and plug.

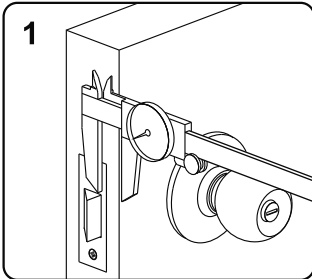
*Factory default setting is Fail-Secure.

Installing the Crimp Connectors

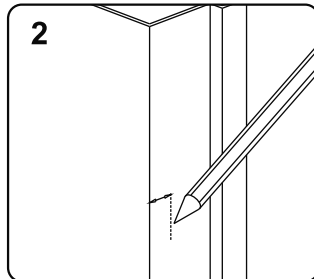


Place the wire inside the connector and use pliers to press down on the head of the connector evenly.

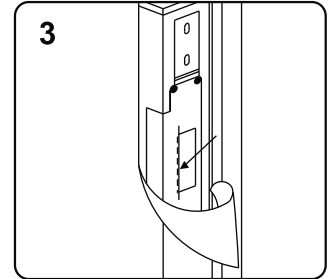
Installation Instructions



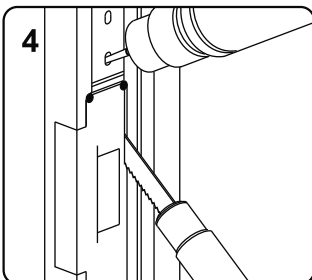
Measure the vertical and horizontal position of the latch bolt on the door leaf



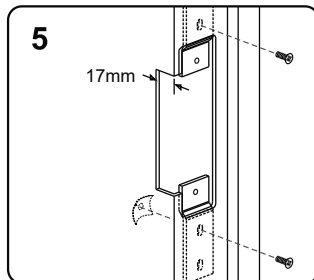
Mark the position of the latch bolt on the door frame as shown in figure



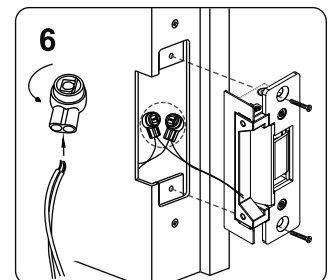
Align the installation template to the marked line



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



Install the mounting tabs



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.