# Electric Strike Installation Instructions
# GK460 Series

## Specifications The strike is polarity insensitive

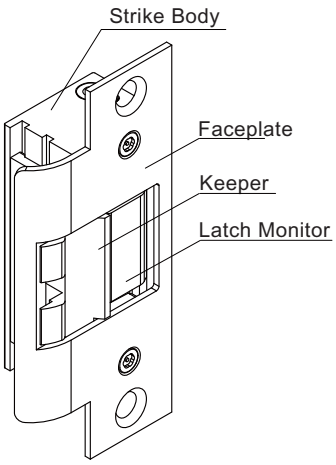
GK460 series of electric strikes are designed for use with cylindrical locksets and accommodate latchbolts up to 9/16" throw. The strikes can be configured to fail-safe or fail-secure on site.

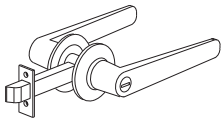
| | |
|---|---|
| Operating Voltage | 12VDC or 24VDC or 12/24VDC |
| Current Draw | Single Voltage:<br>250mA/12VDC or 150mA/24VDC<br>Dual Voltage:<br>300mA/12VDC, 150mA/24VDC |
| Operating Temperature | For indoor use: + 14°F to + 120°F<br>(-10°C to + 49°C)<br>For outdoor use: -31°F to +151°F<br>(-35°C to + 66°C) |
| Humidity | 0% to 85% Non-condensing |
| Latch Throw | 9/16" (15mm) maximum |
| Keeper Width | 1 7/16" (36mm) |
| Static Strength | 1500 lbs (680Kg) |
| Dynamic Strength | 70 ft-lbs |
| Performance Level | Destructive Attack: Level 1<br>Line Security: Level 1<br>Standby Power: Level 1<br>Endurance: Level IV |

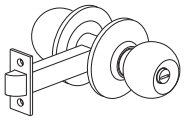
| Model | Latch Monitor | Endurance (Cycles) | Body Construciton | Frame | Latch Throw |
|---|---|---|---|---|---|
| **GK460** | — | 250,000 | Zinc Alloy | Hollow Metal | 9/16" (15mm) |
| **GK460M** | ● | 100,000 | | | |
| **GK460-ST** | — | 250,000 | Stainless Steel | | |
| **GK460M-ST** | ● | 100,000 | | | |
| **GK461** | — | 250,000 | Zinc Alloy | Wood | |
| **GK461M** | ● | 100,000 | | | |
| **GK461-ST** | — | 250,000 | Stainless Steel | | |
| **GK461M-ST** | ● | 100,000 | | | |

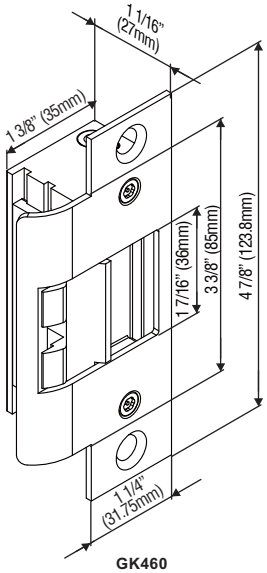
**UL Requirements**

- Wiring methods shall be in accordance with NFPA70.
- The GK460/461 series is intended to be used with UL Listed Exit Hardware.
- The GK460/461 series shall not impair the intended operation of an emergency exit.
- The GK460/461 series shall not impair the operation of panic hardware mounted on the door.

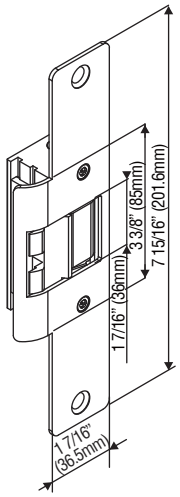




Cylindrical Lever Lockset


Cylindrical Knob Lockset



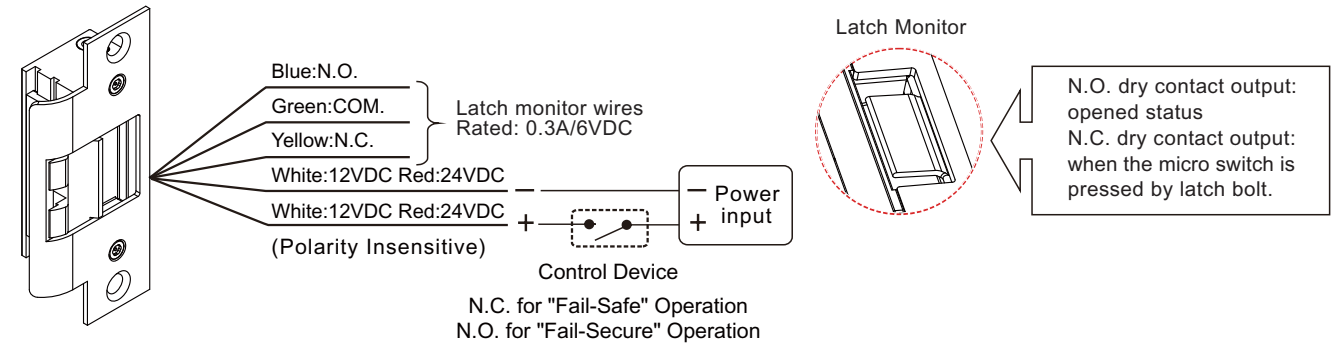
GK460



**GK461M**
(Model with Latch Monitor)

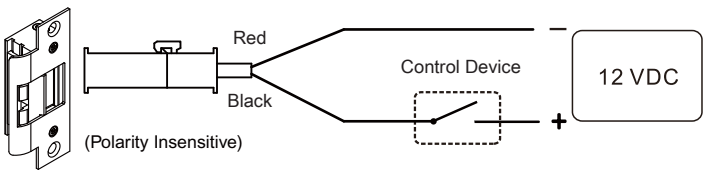
## Wiring Diagrams

**Single Voltage (12V or 24V)**

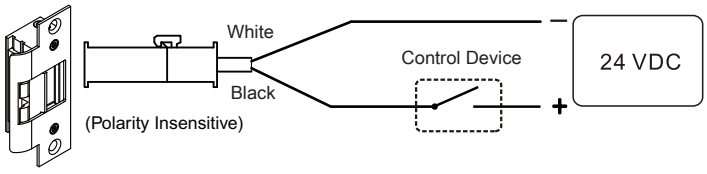



**Dual Voltage (12V/24V)**

For 12VDC Operation:

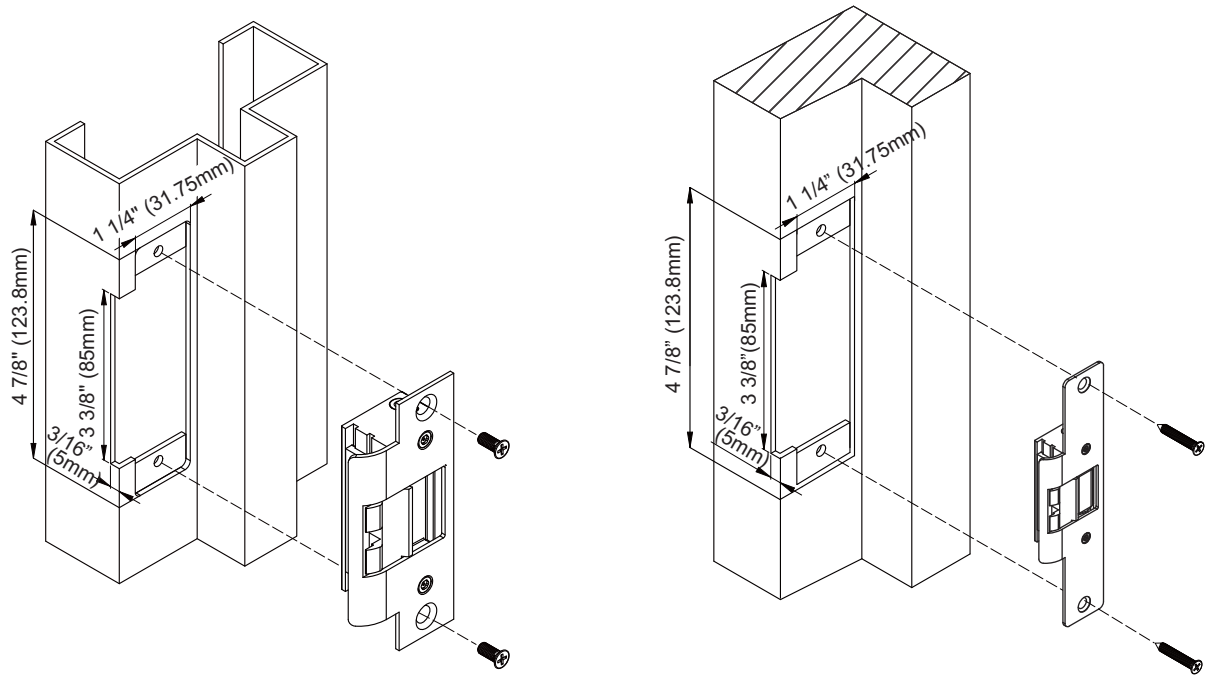



For 24VDC Operation:

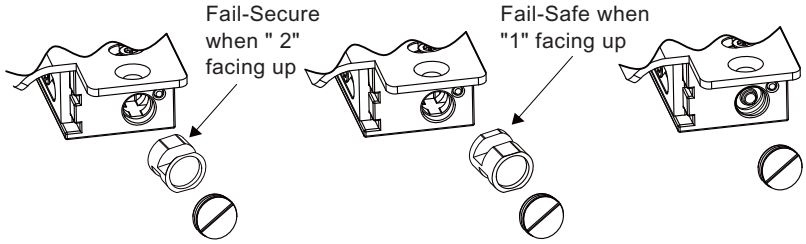



 P-MU-GK460 Published: 2017.03.31

## Installation on Wood and Hollow Metal Frame:



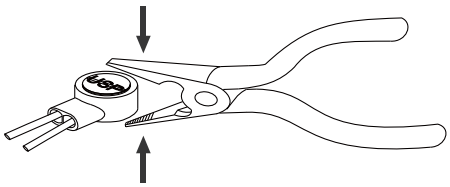

## Fail-Safe / Fail-Secure Reversible




1. Remove the plug and take out the round screw.
2. Reverse the round screw.
3. Put back the round screw and plug.

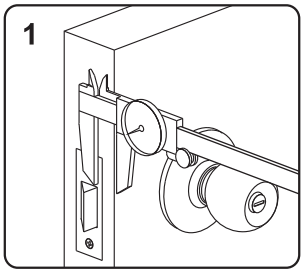
*Factory default setting is Fail-Secure.

## Installing the Crimp Connectors

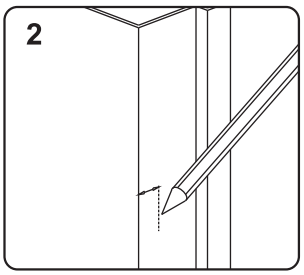


Place the wire inside the connector and use pliers to press down on the head of the connector evenly.

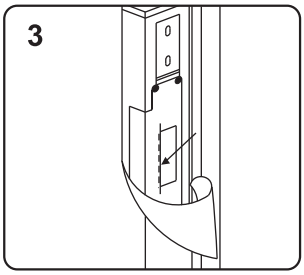
## Installation Steps



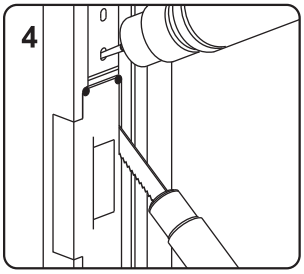

Measure the vertical and horizontal position of the latch bolt on the door leaf



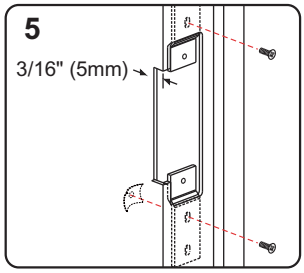

Mark the position of the latch bolt on the door jamb as shown in figure



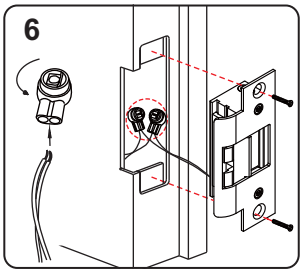

Align the installation template to the marked line




Drill and cut the frame according to 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 strikes this may cause the strike to bind and malfunction. It could also cause undo pressure on the solenoid and eventual failure of the strike.