

GK1297 Series Electric Rim Strikes

Installation Instructions

The GK1297 series electric rim strikes are surface mounted and designed to accommodate rim exit devices with a Pullman latch. No cutting on the frame is required for installation. These strikes are field selectable for fail-safe or fail-secure mode and operate on dual voltage 12/24 VDC. Available with optional latch monitor.

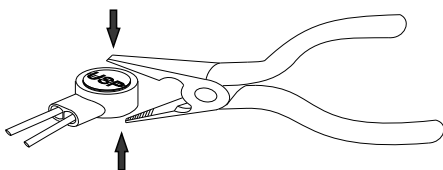
Specifications

Model	GK1297/GK1297M
Operating Voltage	12/24VDC
Current Draw	540mA/12VDC, 270mA-330mA/24VDC
Operating Temperature	14°F to 120°F (-10°C~+49°C)
Humidity	0~85% non-condensing
Static Strength	1500 lbs (680Kg)
Dynamic Strength	70 ft-lbs
Endurance Rating	250,000 cycles (UL tested) 1,000,000 cycles (Factory tested)
Lock Mode	Field selectable fail-safe or fail-secure
Performance Level	Destructive Attack: Level I Line Security: Level I Standby Power: Level I Endurance: Level IV
Finish	Brushed stainless steel (US32D)
Frame Application	Metal or Wood
Latch Throw (Housing Thickness)	1/2"

UL Requirements

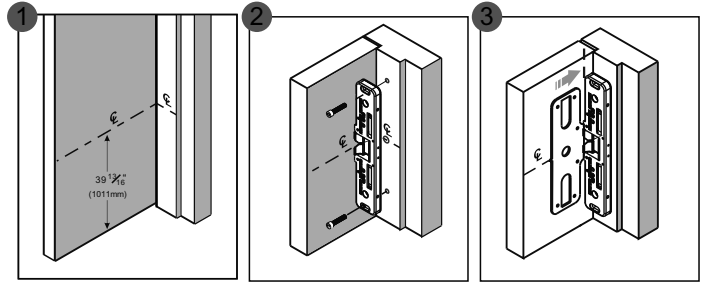
- For indoor use only
- Wiring methods shall be in accordance with NFPA 70.
- The GK1297 series are intended to be used with UL Listed Exit Hardware.
- The GK1297 series shall not be installed in the fail secure mode unless permitted by the local authority having jurisdiction and shall not interfere with the operation of panic hardware.
- The GK1297 series electric strikes are access control unit accessories, intended to be controlled by an access control system. The access control systems purpose is to provide a means for controlling the locking and unlocking of external and internal doors of a premise.

Installing the Crimp Connectors



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

Surface Installation

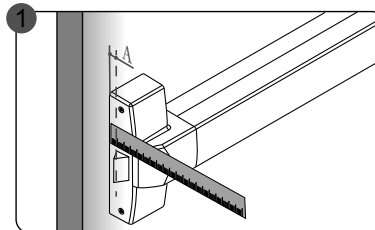


1 Measure 39 13/16" (1011mm) up from finished floor and mark strike centerline on door. Transfer centerline to frame.

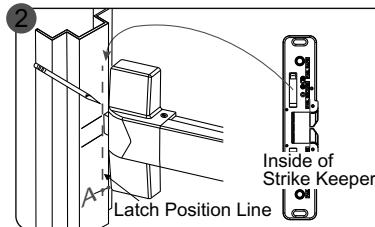
2 Align strike on centerline and mark two slotted holes. Drill holes and install strike to frame.

3 Align template on centerline and against strike.

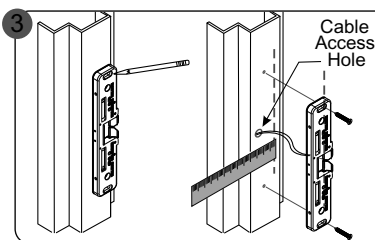
Surface Installation (For Exit Device Already Installed)



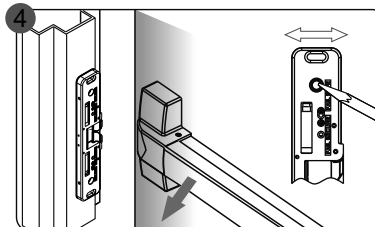
a. Measure the exit device latch position on the door.



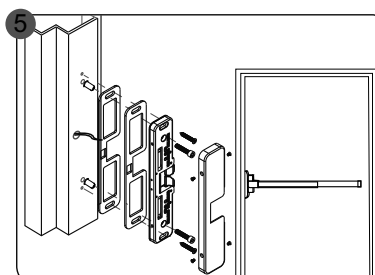
a. Close the door and mark latch position on the frame.
b. The latch position line will correspond with the inside of strike keeper as shown.



a. Position the strike on the frame according to the marked latch position.
b. Use the strike as a template; mark and drill cable access hole and two mounting holes.
c. Loosely mount the strike with Phillips flat head screws.

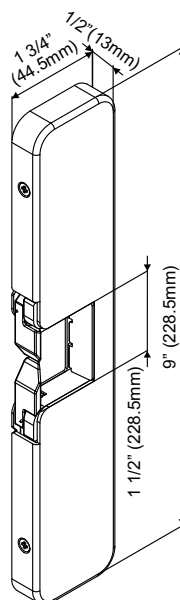
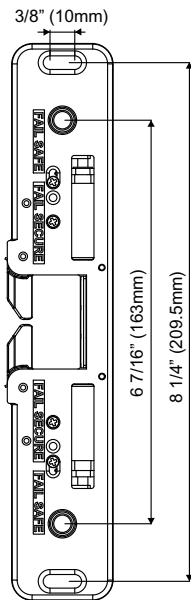


a. Check latchbolt interaction and adjust the strike horizontally until the door latches properly.
b. Tighten the two mounting screws and mark remaining screw holes.

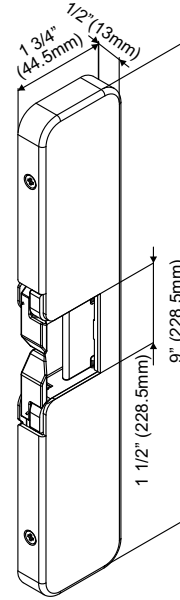


a. Remove the strike and drill holes.
b. Connect the wires.
c. Insert the blind nuts into the holes and re-install the strike.
d. Add spacers to adjust the gap between strike and exit device if necessary.
e. Permanently secure the strike with the hex socket cap screws into the blind nuts.

Wiring Diagrams



GK1297

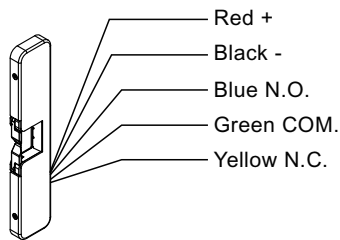


GK1297M
(Model with Latch Monitor)

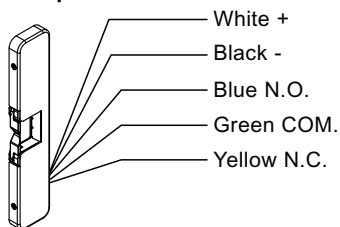
Wiring Diagrams

All field wiring shall be routed in a protected or a restricted area

For 12VDC operation:

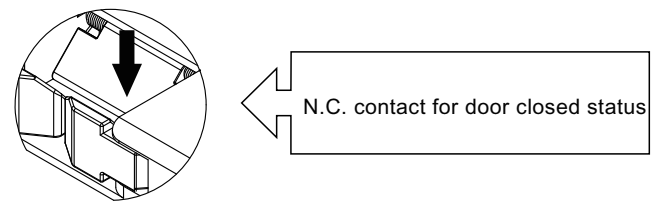
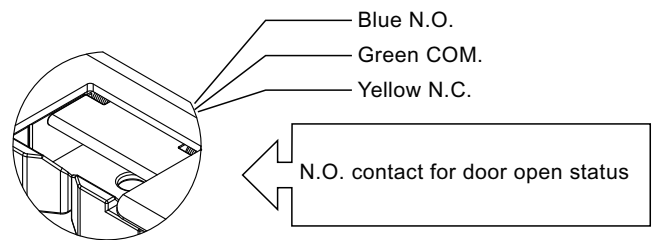


For 24VDC operation:



Latch Monitor (Option)

Contact Rating
GK1297M: 0.3A/6V, resistive load



Changing Fail-Safe / Fail-Secure

Remove locking screw #1, loosen, slide and tighten sliding screw #2. Reinsert and tighten locking screw #1 to the desired fail-safe or fail-secure setting.

