GK1300 Series Electric Strike Installation Instructions

Features

- Heavy duty stainless steel construction (US 32D)
- Vertical adjustments allow for alignment with a wide variety of mortise locks with offset latches
- Sliding keeper shim design for up to 1/8" (3mm) adjustment for misaligned frames
- Accommodates deadbolts up to 1"
- · Field selectable for fail-safe or fail-secure
- Non-handed design fits either right-handed or left-handed doors
- Trim plate included
- Optional latch monitor SW1300 (for GK1300M) Indicates when door is latched (The maximum input rating for SW1300M is 1.5A/40VDC)
- Includes 5 different stainless steel faceplates

UL Requirements

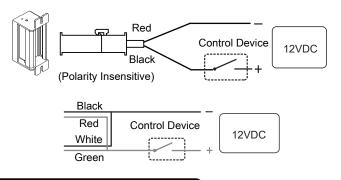
- For indoor use only.
- Wiring methods shall be in accordance with NFPA 70.
- The GK1300 series is intended to be used with UL Listed Exit Hardware.
- The GK1300 series shall not impair the intended operation of an emergency exit.
- The GK1300 series shall not impair the operation of panic hardware mounted on the door.

Options Part Number	12/24 VDC	Latch Monitor (SW1300)
GK1300-1224	•	
GK1300M-1224	•	•

Wiring Instructions

12/24 VDC Wiring Diagram

For 12VDC Operation:



Fail-Safe/ Fail-Secure Reversible

Fail-secure or fail-safe is field selectable by changing position of screws as shown.

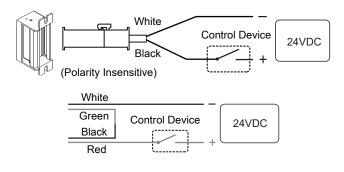
- 1. Loosen and remove the locking screw.
- 2. Loosen and move the sliding screw to the desired setting, and replace/retighten both screws.
- Note: Factory default setting is fail-secure.

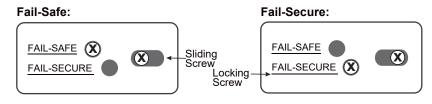
Specifications

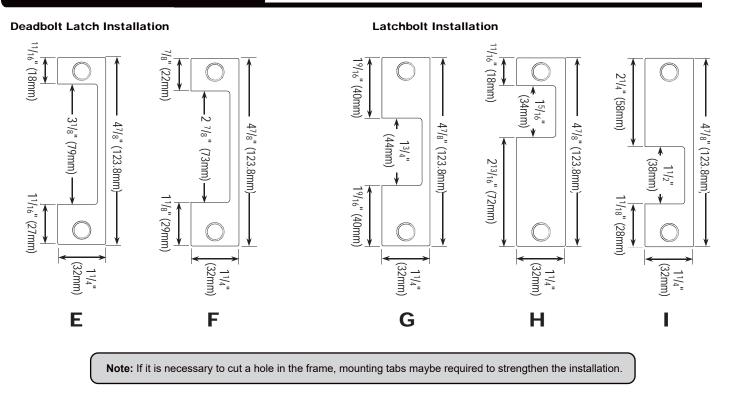
Operating Voltage	12/24VDC	
Current Draw	Dual Voltage: 300mA/12VDC, 150mA/24VDC	
Operating Temp.	14°F to 120°F (-10°C to 49°C)	
Humidity	0~85% non-condensing	
Latch Throw	1" (25mm) max with 1/8" (3mm) door gap	
Static Strength	1000 lbs (454Kg)	
Dynamic Strength	33 ft-lbs	
Endurance Rating	250,000 cycles (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	

4" (116.9mm) 3 1/8" (79.5mm) 3 5/16" (84.5mm) 3 5/16" (84.5mm)

For 24VDC Opration:

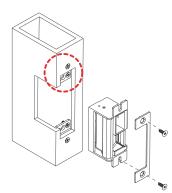


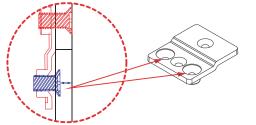




Mounting the Strike Using Mounting Tabs

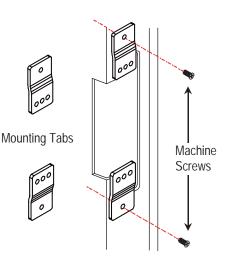
The mounting tabs are only used for aluminum and metal door frames. This is commonly done when retrofitting door frames.





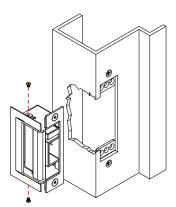
Drill holes according to the template for installation of the mounting tabs.

When installing, do not over-tighten the screws as small adjustments may be required to secure a snug fit for the door strike.



Mounting the Trim Plate

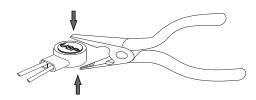
- If the hole cut for the faceplate is too large or is jagged, the trim plate can be mounted over the hole to improve the appearance of the installation.
- Screw the trim plate into the mounting holes at the top and bottom of the door strike using the included trim plate screws before installing the strike to the door frame.



Installing the Crimp Connectors

Crimp connectors are provided to make wiring connections easier and more reliable. To install the connectors:

- 1. Insert the wires into the connector.
- 2. Use a crimping tool or pliers to evenly press down on the head of the connector.

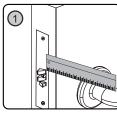


Sticker Template Instruction

35mm Cut 35mm of depth from jamb edge Strike Housing Cylindrical lock centerline Latch bolt centerline Front face of lock latch Align to marked latch line DO NOT PHOTOCOPY AS DIMENSION COULD EXIST TOLERANCE

Refer to the supplied template. Verify lock compatibility and determine the reference line on the template.

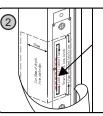
Electric Strike Installations



Measure latch position and mark on the frame.



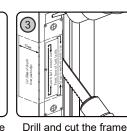
to the frame.



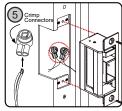
Attach the template to the frame and align the reference line with the marked line.



Fasten the mounting tabs

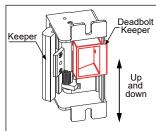


according to the template.



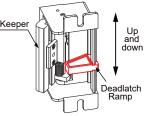
Connect the wires using the crimp connectors, then test the strike, ensure to give it correct voltage.

Electric Strike Adjustment



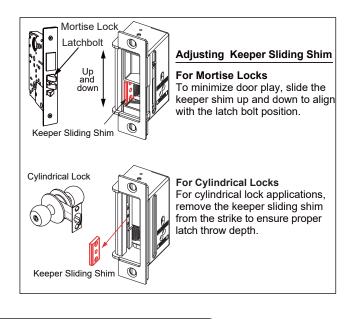
Adjusting Deadbolt Keeper:

Extend the deadbolt, move the door close to the strike, and let the deadbolt touch the strike keeper. Mark deadbolt lines on the strike keeper. Open the door and adjust the deadbolt keeper up and down to align with the marked lines



Adjusting Deadlatch Ramp:

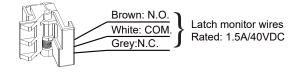
Move the door close to the strike. When the deadlatch touches the strike keeper, mark deadlatch lines on the strike keeper. Open the door and adjust the deadlatch ramp up and down to align with the marked lines.



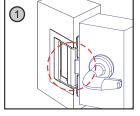
Note:

Proper gap must be reserved between the strike keeper and latch bolt to prevent solenoid valve failure.

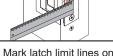
Optional Latch Monitor SW1300 Installations



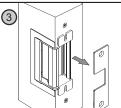
2



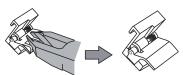
Move the door towards the strike.



the keeper.



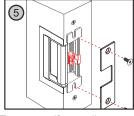
Remove the strike.



Test the door to make sure that the latch depresses the latch monitor lever. If not, trim the 3 ribs on the lever using side cutters.



Mount the SW1300 (latch monitor) and align with the marked lines on the keeper.



Test to see if any adjustment is necessary.