

FES20M / FES20 ELECTRIC STRIKE

DOOR LATCH POSITION:

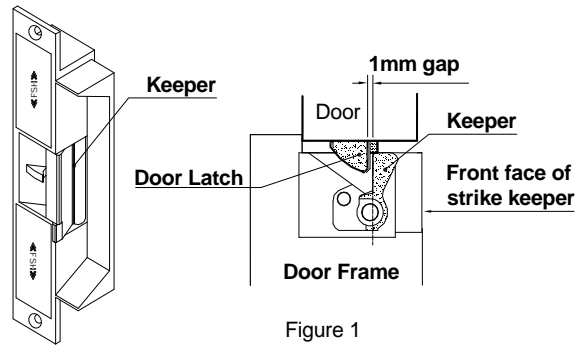


Figure 1

As drawn above, there should be 1mm gap between the door latch and the front face of strike keeper to prevent the door from exerting back pressure on the keeper when the door is closed.

The Electric Strike FES20 Series has a 10mm lip as standard. The product kit includes a 5mm extension lip for applications where a 15mm strike-lip is required.

MOUNTING STEPS OF STRIKE:

- 1.) When door is closed, make sure there is no back pressure on the keeper strike.
- 2.) When the above installation is completed, connect the wiring, secure the strike with appropriate screws and check operation. FES 20 model is not equipped with monitoring sensor.

SPECIFICATION:

Power Input	12 VDC – current 220 mA		24 VDC – current 110 mA	
Wire output	Red (+)		Black (-)	
LSS (Lock Status Sensor)	Black (Common)	Yellow (NO-PTO); (NC-PTL)	Green (NC- PTO); (NO-PTL)	
DSS (Door Status Sensor)	Black (Common)	Blue (NO)	Orange (NC)	
ATS (Anti– tamper Sensor)	Black (Common)	Red (NO)	White (NC)	
Sensor Output	LSS Sensor Output 3 A, 125 VAC; 2 A, 30 VDC.	DSS Sensor Output 3 A, 125 VAC; 2 A, 30 VDC.	Anti-tamper Sensor Output 5 A, 125 VAC; 3 A, 250 VAC.	

Note: The control circuit for the door strike is protected against reverse polarity connection.

INSTALLATION ON METAL FRAMES:

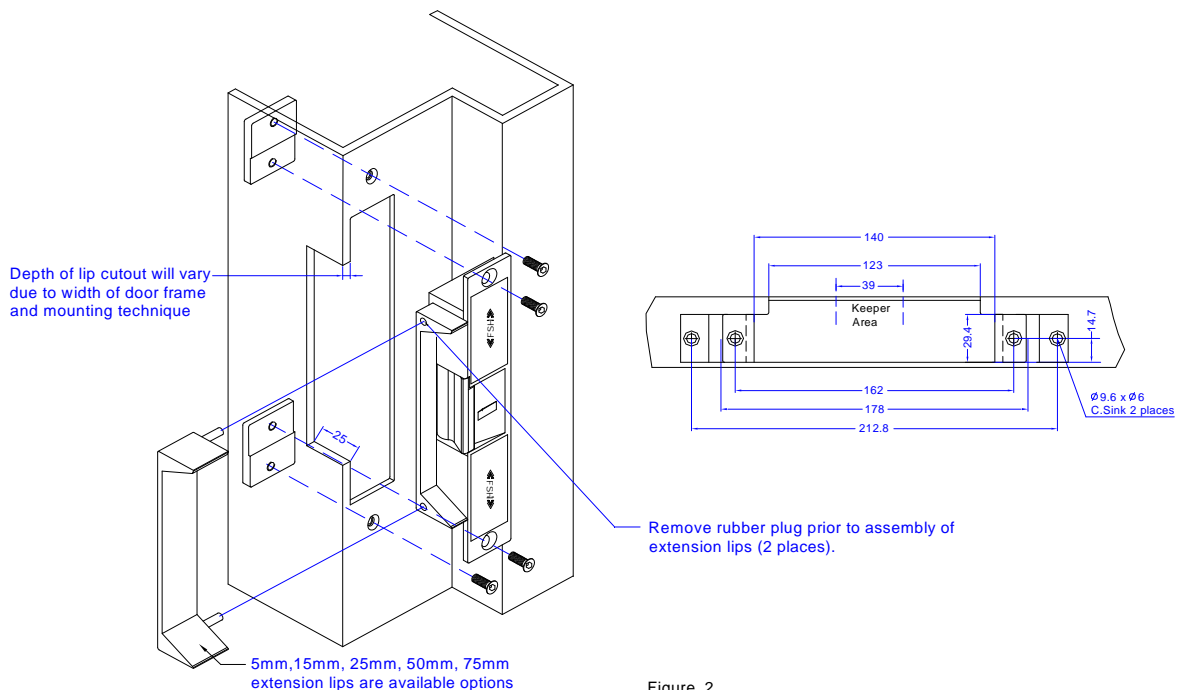


Figure 2

POWER TO LOCK (PTL) \Leftrightarrow POWER TO OPEN (PTO) CONVERSION:



Figure3

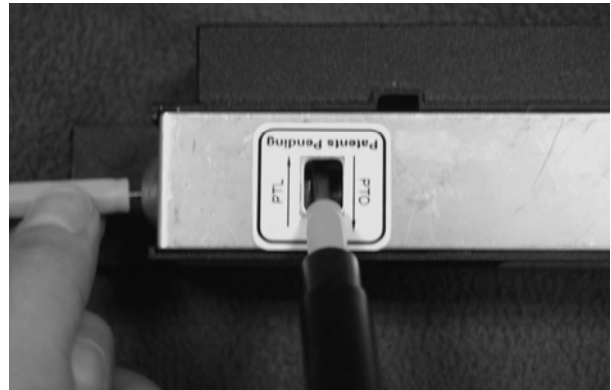


Figure4

Procedures to convert PTO (Power to open) to PTL (Power to lock)

- Step 1: Remove the rubber cap to expose the capstan wheel. See (Figure 3).
- Step 2: Slacken the capstan release screws two full revolutions, DO NOT REMOVE. See (Figure 3).
- Step 3: Insert the "tool pin" through the cover end opening hole and operate the solenoid hold it in position and at the same time insert the "tool" thru the cover plate opening hole and turn the capstan gear in the direction of the keeper to the stop. See (Figure 4).
- Step 4: The strike is now in the Power to Lock mode.
- Step 5: Tighten the two capstan releasing screws and replace the rubber cap. See (Figure 5).

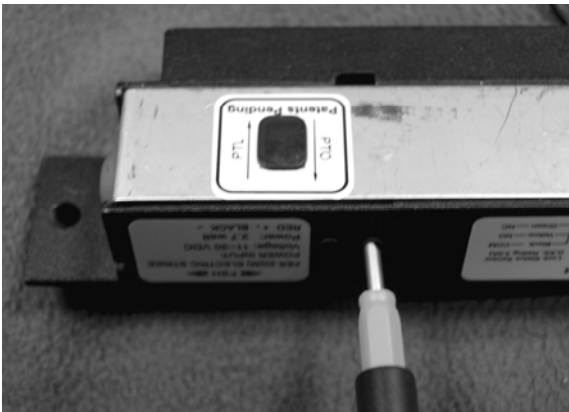


Figure5

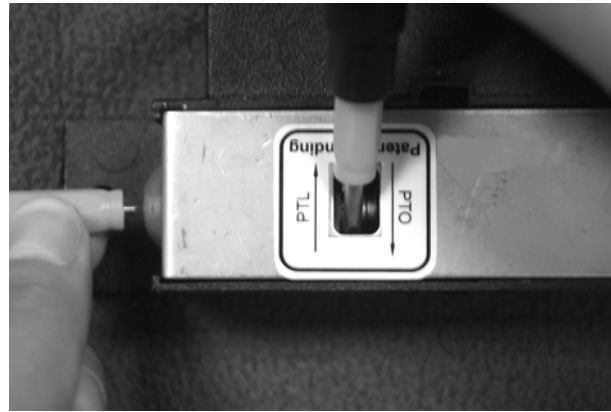


Figure6

Procedures to convert PTL (Power to lock) to PTO (Power to open)

- Step 1: Remove the rubber cap to expose the capstan wheel. See (Figure 3).
- Step 2: Slacken the capstan release screws two full revolutions, DO NOT REMOVE. See (Figure 3).
- Step 3: Insert the "tool pin" through the cover end opening hole and operate the solenoid hold it in position and at the same time insert the "tool" thru the cover plate opening hole and turn the capstan gear in the direction of the release screw to the stop. See (Figure 6).
- Step 4: The strike is now in the Power to Open mode.
- Step 5: Tighten the two capstan releasing screws and replace the rubber cap. See (Figure 5).

TEMPLATE

