

Product Components

① 8000/8300 Electric Strike Body ② 12 & 24 Volt Pigtails ③ Sticky Shims (optional use)

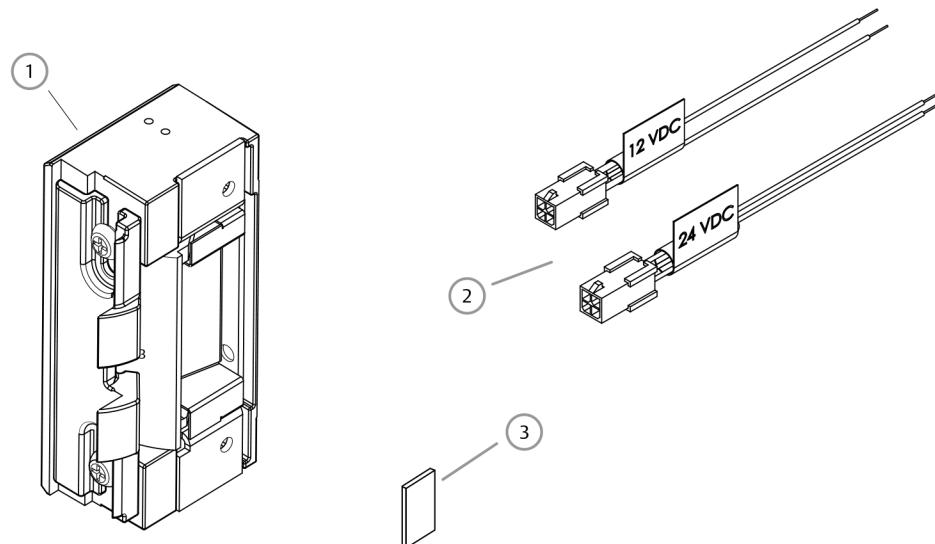


Diagram 1: Product Components

Electrical Specifications

ELECTRICAL RATINGS FOR SOLENOID	CONTINUOUS DUTY		INTERMITTENT DUTY*	
	12 VDC	24 VDC	12 – 16 VAC	24 VAC
Resistance in Ohms	50	200	50	200
Amps	.24	.12	.24 – .32	.12
Solenoids are rated at +/- 10% indicated value. *10% max duty cycle (2 min. max on time)				

MINIMUM WIRE GAUGE REQUIREMENTS	SOLENOID VOLTAGE	
	12 VDC	24 VDC
200 feet or less	18 gauge	20 gauge
200–300 feet	16 gauge	18 gauge
300–400 feet	14 gauge	16 gauge

CAUTION:

Before connecting any device at the installation site, input voltage must be verified using a multimeter. Many power supplies and low voltage transformers operate at higher levels than listed. Any input voltage exceeding 10% of the solenoid rating may cause severe damage to the unit and will void the warranty.

Evaluating the Opening

1. VERIFY opening is plumb and square.

Preparing the Strike

NOTE: For 12 VAC/VDC or 16 VAC, the Plug In Connector (pigtail) marked "12 VDC" should be used. For 24 VAC/VDC, the pigtail marked "24 VDC" should be used.

2. SELECT the appropriate pigtail that matches system power, and electrically CONNECT as illustrated in Diagram 2.
3. If no connector is present, CONFIGURE the wires as illustrated within Diagram 2.
4. If using the Latchbolt Monitor (LBM) or Latchbolt Strike Monitor (LBSM), REFER to Diagrams 3 and 4 on Page 3 to complete wiring.

NOTE: The 8000/8300 ships in FAIL SECURE.

5. USE Diagram 5 on Page 3 as a guide to convert 8000/8300 to FAIL SAFE OPERATION, if needed.
6. ATTACH the faceplate to the electric strike, using the #8-32 screws provided, and ENSURE the ramps are on top of the faceplate (see Diagram 6 on Page 3).

Preparing the Frame

7. PREPARE the door jamb per the appropriate template detail (see Pages 4-6).
8. If applicable, INSTALL the mounting tabs using #10-32 screws; DO NOT tighten.

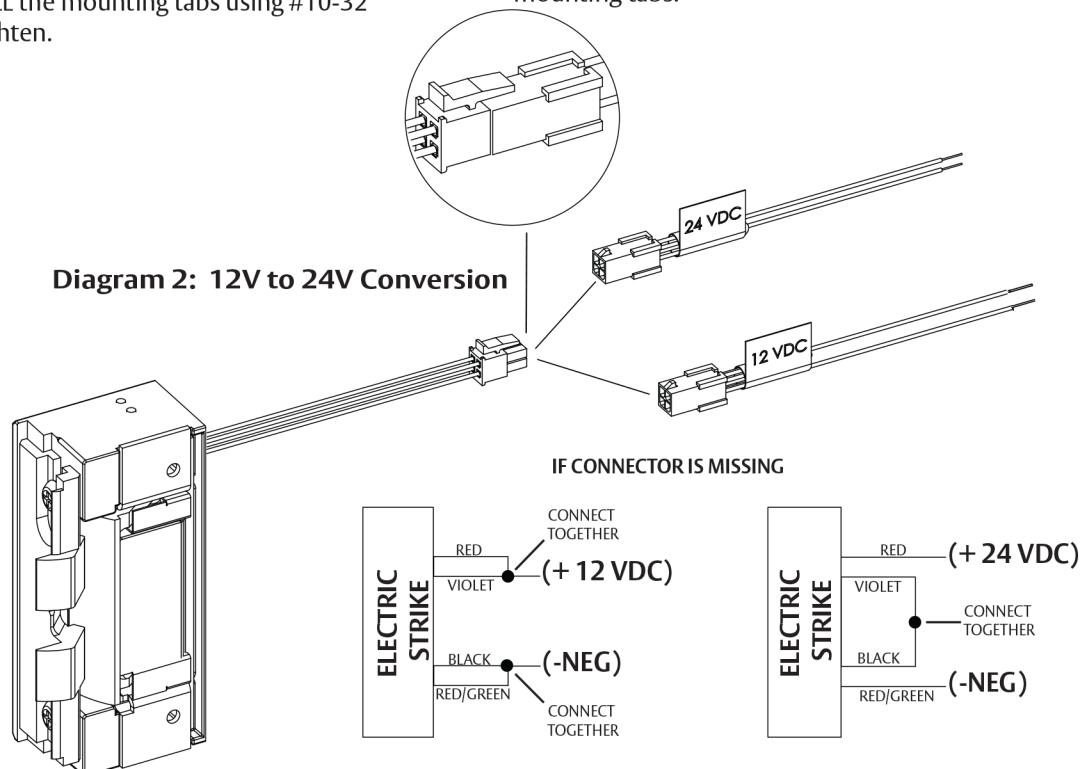
Finishing the Installation

9. IF the opening is not plumb and square, **THEN SEE** Document 3068006.002, "8000/8300 Electric Strike Troubleshooting Guide," for recommendations.

10. INSTALL the electric strike unit in jamb cutout, using #12-24 screws provided (or wood screws where necessary).

NOTE: The deadlatch must not interfere with the 8000/8300 ramps (see Diagram 6 on Page 3).

11. **IF** the ramps require adjustment, **THEN** PERFORM the following.
 - MARK the centerline of the deadlatch onto the 8000/8300 faceplate.
 - REMOVE the 8000/8300 electric strike from jamb.
 - LOOSEN the screws and SLIDE internal ramp until the groove between the ramps aligns with the mark made on the faceplate.
 - TIGHTEN the screws. (see Diagram 7 on Page 3).
12. CONNECT wires from power source to the electric strike.
13. REINSTALL electric strike, TIGHTEN the #12-24 screws and VERIFY clearance of deadlatch.
14. If applicable, TIGHTEN the #10-32 screws holding the mounting tabs.



Installation Diagrams

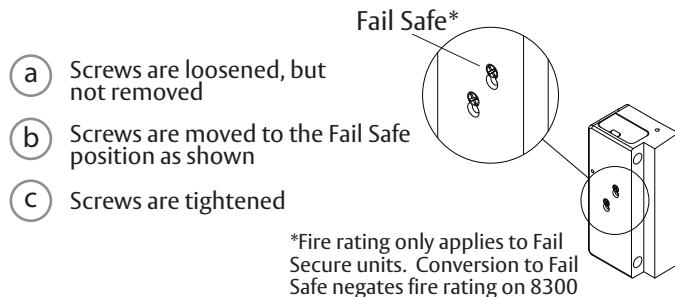


Diagram 3: Fail Safe to Fail Secure

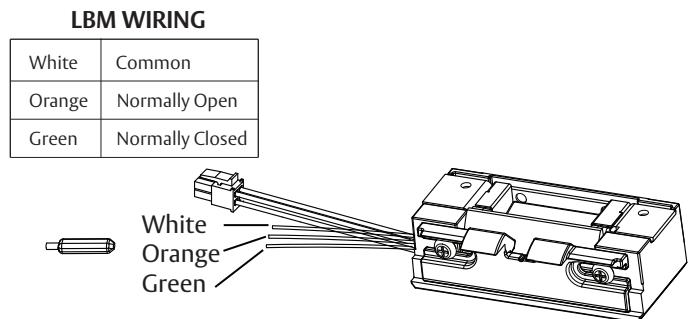


Diagram 4. Latchbolt Monitor

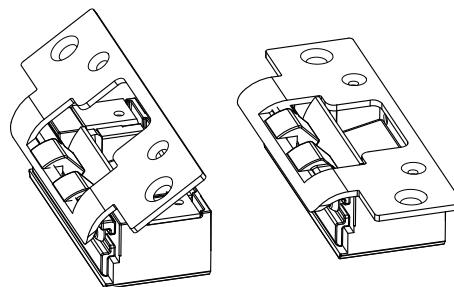


Diagram 5: Faceplate Installation

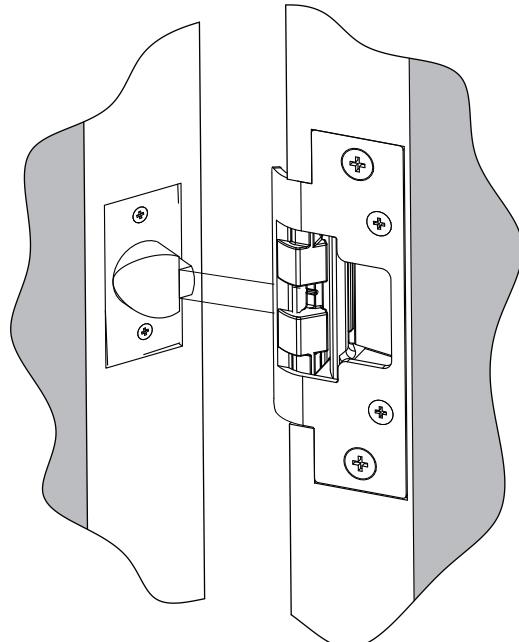


Diagram 6. Vertical Alignment

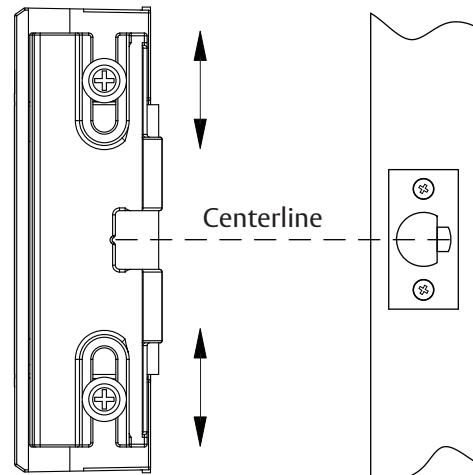
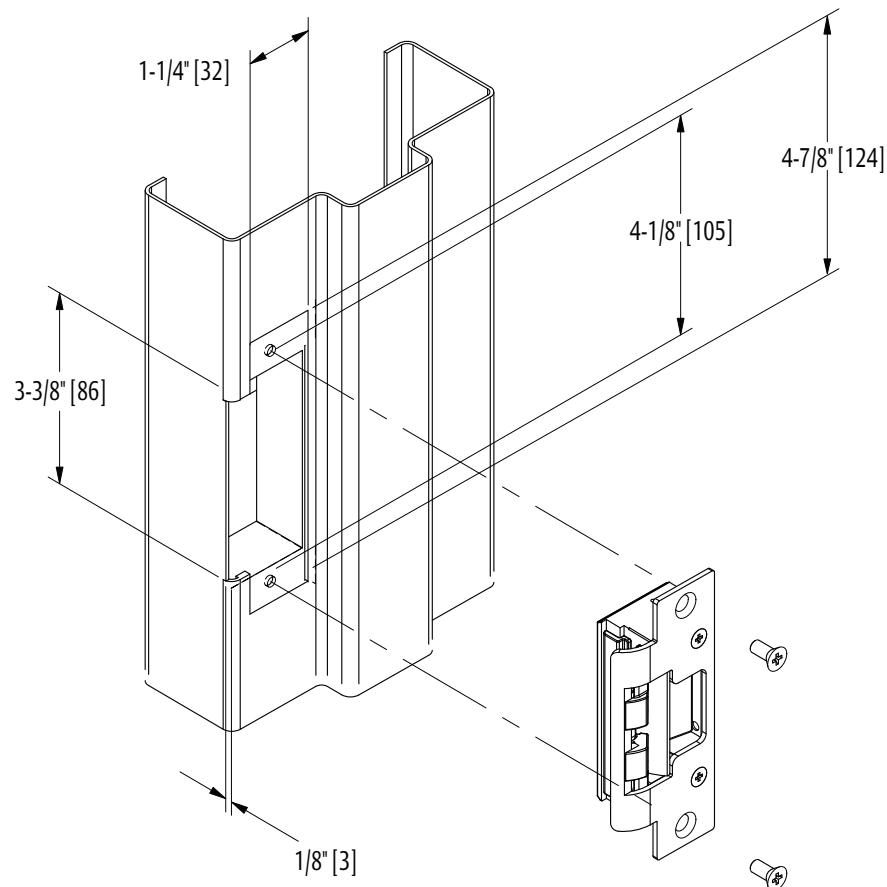


Diagram 7. Vertical Adjustability

8000/8300 with 801 Faceplate

1-1/4" X 4-7/8" Square Corner Faceplate
ANSI Metal Jamb Installations

Inches [mm]



NOTE: The 8000/8300 electric strike with 801 faceplate will fit right into most standard ANSI A115.2, 1" deep dustboxes (e.g. the Curries® E-1 preparation), requiring no cutting. If you elect to place the 8000/8300 into the existing dustbox, simply drill for wire connections.

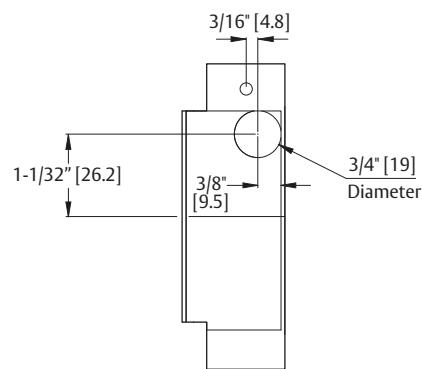
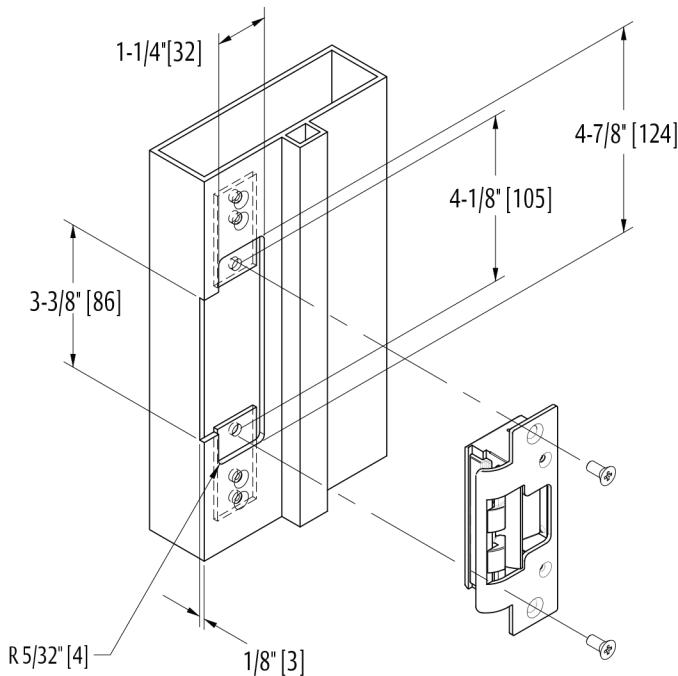


Diagram 8. Wire Drilling

8000/8300 with 801A Faceplate

1-1/4" x 4-7/8" Radius Corner Faceplate
Aluminum Jamb Installations

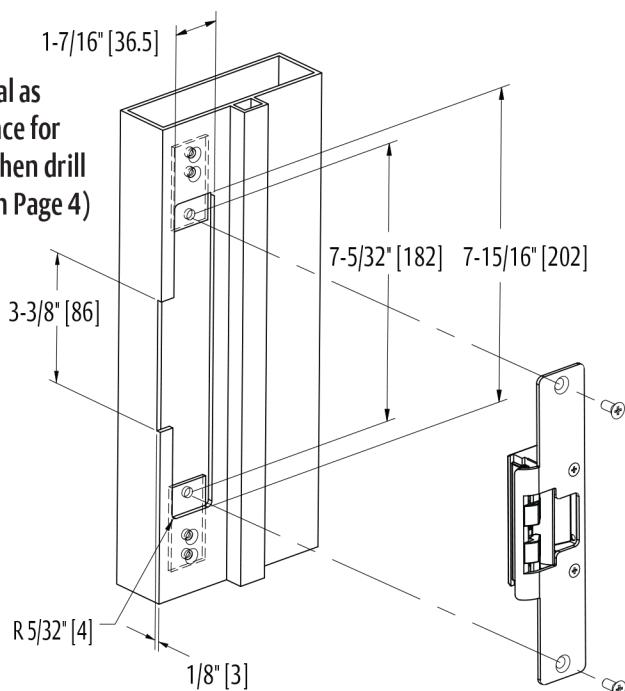


Inches [mm]

8000/8300 with 802 Faceplate

1-7/16" x 7-15/16" Radius Corner Faceplate
Aluminum and Wood Jamb Installations

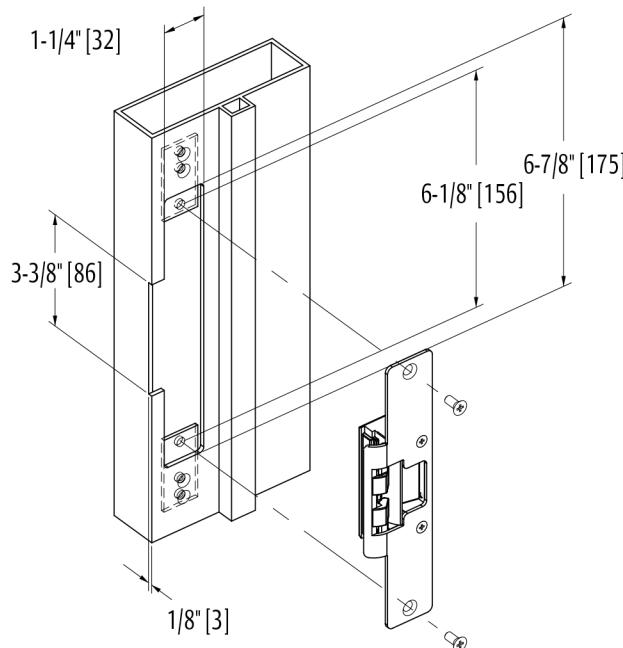
Remove additional material as
needed to provide clearance for
electric strike and wires. Then drill
for wires (see Diagram 8 on Page 4)



8000/8300 with 803 Faceplate

1-1/4" x 6-7/8" Radius Corner Faceplate
Aluminum Jamb Installations

Inches [mm]



8000/8300 with 805 Faceplate

1-3/8" x 9" Radius Corner Faceplate
Aluminum or Wood Jamb Installations

Remove additional material as
needed to provide clearance for
electric strike and wires. Then drill
for wires (see Diagram 8 on Page 4)

