

Shown with 801 Option

The 8300 Series is also available in a **Complete One Box Solution**

8300 Series

The **fire-rated, concealed solution** for cylindrical locksets

The 8300 series is a fire rated, compact, high performance electric strike featuring a unique concealed design for use with cylindrical locksets. No cutting on the frame is required. Simply remove the existing strike plate, adjust the vertical alignment feature to the latchbolt centerline, and install. Its strength is derived from a unique keeper pin locking design, enabling the 8300 to exceed the ratings of the frame, door and locking hardware. This unique electric strike is easy to install and complies with NFPA 80-07 guidelines for retrofit into fire-rated frames. The 8300 accommodates latchbolts up to 5/8" throw.



Specifications

- UL 10C fire-rated, 3 hour (fail secure only)
- CAN4-S104 (ULC-S104) fire door conformant
- NFPA 80-07 compliant
- UL 1034, burglary-resistant listed and suitable for outdoor use
- UL 294 (6th Edition) listed
- ANSI/BHMA A156.31, Grade 1
- NFPA-252 fire door conformant
- ASTM-E152 fire door conformant
- RoHS compliant
- Patents: 5,934,720; 8,146,966; 8,157,302; 8,465,067

Frame Application

- Metal
- Wood

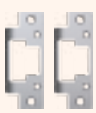
Electrical

- .24 Amps @ 12VDC/VAC
- .12 Amps @ 24VDC/VAC
- DC continuous duty/ AC intermittent duty only
- PoE friendly

8300 Models

8300
Universal electric strike
Faceplate options ordered separately, see page 40

8300C
Complete electric strike
Includes the 801 and 801A faceplates in the box



Model 8300C includes a 801 and a 801A faceplate in the box

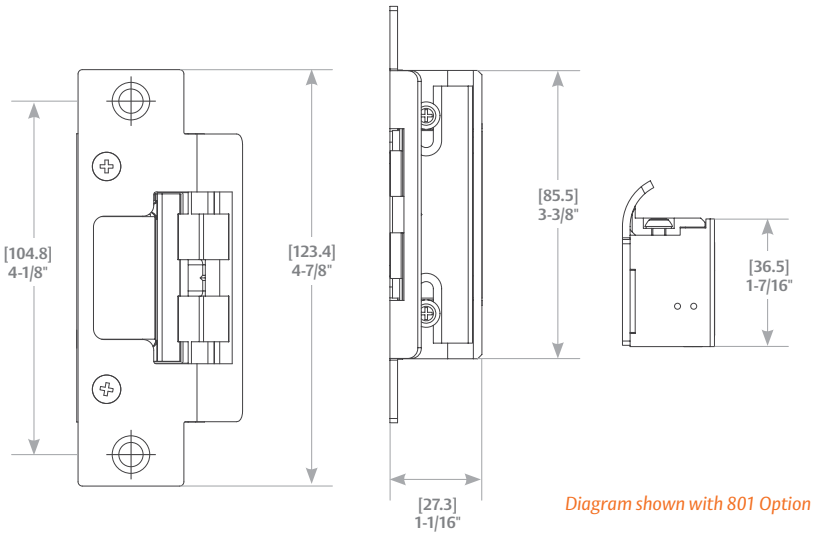


Diagram shown with 801 Option

Standard Features

- Falls within the guidelines for retrofit into fire-rated frames
- No cutting on frame required
- Vertical adjustability to accommodate door sag and misalignment
- Tamper resistant
- Static strength 1,500 lbs.
- Dynamic strength 70 ft-lbs.
- Endurance 500,000 cycles
- Field selectable fail safe/fail secure
- Non-handed
- Accommodates 1/2" – 5/8" cylindrical latchbolt (5/8" with 1/8" door gap)
- Strike body depth 1-1/16"
- Plug-in connector
- Five-year limited warranty

Optional Features

- **LBM** » Latchbolt monitor

Accessories

2001M » Plug-in bridge rectifier
2004M » ElectroLynx® adapter
2005M3 » SMART Pac® III
2006M » Plug-in buzzer

Finishes

630 » Satin stainless steel
605 » Bright brass
606 » Satin brass
612 » Satin bronze
613 » Bronze toned
629 » Bright stainless steel
BLK » Black

**Complete Pacs are only available in the 630 finish*

CYLINDRICAL LOCKSETS
FIELD SELECTABLE (12 OR 24VDC)
FIELD SELECTABLE (FAIL SECURE / FAIL SAFE)
FIRE RATED
GRADE 1
OUTDOOR RATED
UL 1034 BURGLARY LISTED

hes
ASSA ABLOY

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8000/8300 Series Faceplate Options

***Operation**: After releasing the latchbolt, the keeper returns to the locked position*



4-7/8" x 1-1/4"

801 Option

For use with: Cylindrical locksets in ANSI metal jambs, with latchbolts up to 5/8" throw

» **ANSI/BHMA Numbers:** E05031, E09321, E09322, E09323





4-7/8" x 1-1/4"

Radius corners and flat faceplate

801A Option

For use with: Cylindrical locksets with latchbolts up to 5/8" throw. Includes universal mounting tabs. Aluminum frames.

» **ANSI/BHMA Numbers:** E05031, E09321, E09322, E09323





4-7/8" x 1-1/4"

Extended lip

801E Option

For use with: Extended lip for 'knock-down' style frame installations. For use with cylindrical latchbolts up to 5/8" throw.

» **ANSI/BHMA Numbers:** E05031, E09321, E09322, E09323





7-15/16" x 1-7/16"

802 Option

For use with: Cylindrical locksets with latchbolts up to 5/8" throw. Includes universal mounting tabs. Aluminum frames.

» **ANSI/BHMA Numbers:** E05031, #E09321, E09322, E09323





6-7/8" x 1-1/4"

Radius corners and flat faceplate

803 Option

For use with: Cylindrical locksets with latchbolts up to 5/8" throw. Includes universal mounting tabs. Aluminum frames.

» **ANSI/BHMA Numbers:** E05031, E09321, E09322, E09323





9" x 1-3/8"

Radius corners and flat faceplate

805 Option

For use with: Cylindrical locksets. For use with latchbolts up to 5/8" throw. Four point mounting for wood installations.

» **ANSI/BHMA Numbers:** #E05031, #E09321, #E09322, #E09323



Reduce your install time by evaluating your opening

The 8000/8300 can be adjusted to compensate for frame and door irregularities. Sometimes, adjusting the frame and door back to industry standards is just not an option. Here are some tips to quickly compensate for frame twist and determine the condition of the latch bolt.

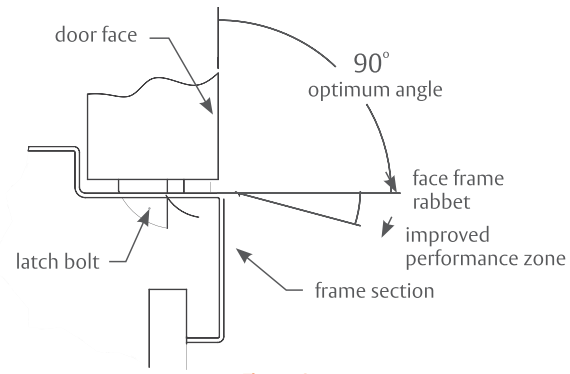


Figure 1

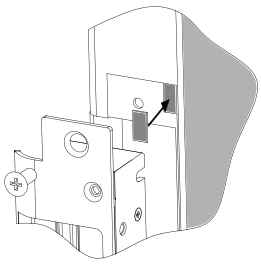


Figure 2

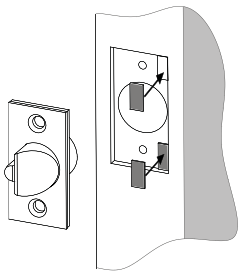


Figure 3

Measure Frame Twist

One way to measure frame twist is to place a carpenter square on the stop and the face of the door. If the angle is less than 90 degrees, the 45 degree ramp angle of the 8000/8300 is steepened and may need to be corrected as shown at left *(Figure 1)*.

We recommend you check the condition of the latch bolt prior to installing the 8000/8300. Poorly constructed, worn out or damaged latch bolts may not slide along a ramp at any angle. To check the condition of your latch bolt, we recommend applying a slight force to the tip of the latch bolt (about 45 degrees to the door face). Make sure the latch bolt can be pushed up into the door.

Compensate for Frame Twist

When a frame is twisted, the relationship between the face of a closed door and of the inside face of the frame (i.e., Rabbet) may not meet the 90 degree industry standard. Untrue frames and doors impact latch bolt wear and the force required to exit, so we recommend you ensure that the angle is between 90–95 degrees.

If manipulating the frame is not possible, we recommend placing several shims under the top and bottom (stop side) of the faceplate *(Figure 2)*. This effectively increases the 8000/8300 ramp angle and compensates for frame twist. You can also compensate for frame twist by placing shims under the top and bottom (bevel side) of the latchbolt *(Figure 3)*.

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