CAMDEN
DOOR CONTROLS

Electrified Locks, Relays and Timers

CX-RIM-SB
1289/1299 RIM Strike Surface Mount Box
INSTALLATION INSTRUCTIONS

THIS PACKAGE INCLUDES:

1 - CX-RIM-SB Surface Box	2 - 1/4-20 x 1/2″ Screws	3 - M5 Barrel Bolts
2 - 1/4-20 x 3/4″ Screws	3 - M5 x 30 Screws	4 - 8-36 x 1/4″ Screws

1. GENERAL DESCRIPTION

The CX-RIM-SB is a surface mounted adapter box that allows for CX-EPD1289L or CX-EPD1299L Electric RIM Strikes to mount on double doors with RIM Exit Devices.

2. SPECIFICATIONS

Material	Anodized Aluminum
Finish	Clear Anodized
Dimensions	9-3/16″ H x 1-31/32″ W x 1-1/4″ D (233mm x 50mm x 32mm)

3. DIMENSIONS

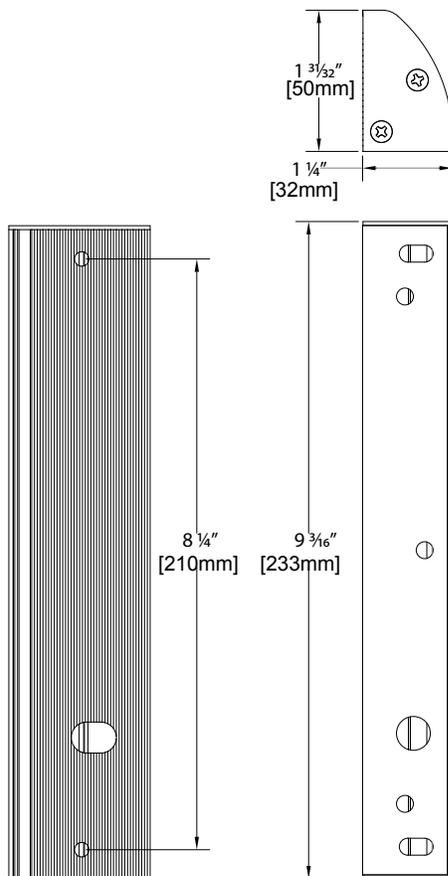1 ³¹⁄₃₂″ [50mm]

1 ¼″ [32mm]

8 ¼″ [210mm]

9 ³⁄₁₆″ [233mm]

Figure 3.1 Dimensions

4. INSTALLATION

Disassemble the CX-RIM-SB: *(Figure 4.1 & 4.2)*

The CX-RIM-SB is delivered as an assembled unit and must be disassembled for mounting and installation.

1. Unscrew the four 8-36 x 1/4″ screws to detach the Side Plates.
2. Pull/slide/rotate the Cover Plate Lip from the Mounting Plate Groove and detach the Mounting Plate.
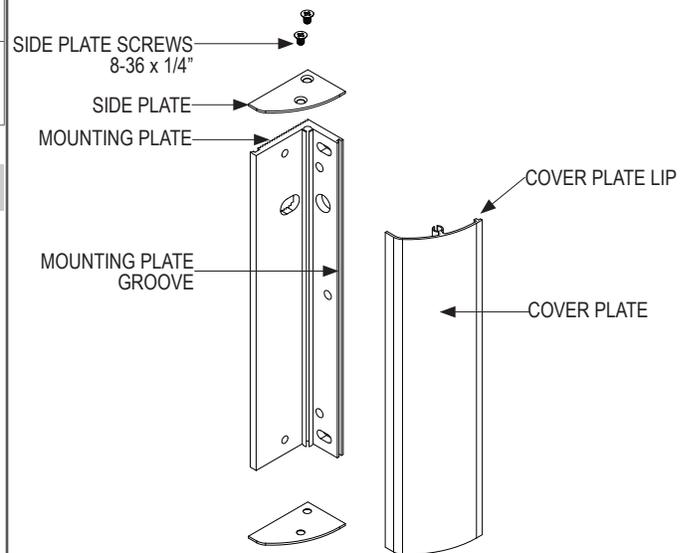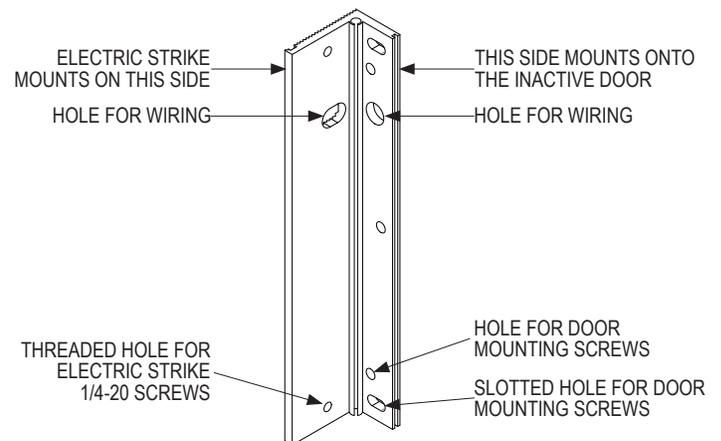

SIDE PLATE SCREWS 8-36 x 1/4″
SIDE PLATE
MOUNTING PLATE
COVER PLATE LIP
MOUNTING PLATE GROOVE
COVER PLATE

Figure 4.1 Disassembly

ELECTRIC STRIKE MOUNTS ON THIS SIDE
THIS SIDE MOUNTS ONTO THE INACTIVE DOOR
HOLE FOR WIRING
HOLE FOR WIRING
THREADED HOLE FOR ELECTRIC STRIKE 1/4-20 SCREWS
HOLE FOR DOOR MOUNTING SCREWS
SLOTTED HOLE FOR DOOR MOUNTING SCREWS

Figure 4.2 Mounting Plate

Align the Electric Strike to the CX-RIM-SB and to the RIM Exit Device: *(Figure 4.3 & 4.4)*

Use the installation jig template to align (center-to-center) the CX-RIM-SB Mounting Plate and Electric Strike to match with the RIM Exit Device Latch.

3. Open the active door slightly. Temporarily attach the Template to the CX-RIM-SB Mounting Plate and place it on the inactive door aligning with the door edge.
4. Close the active door while the Template and CX-RIM-SB Mounting Plate are in place. Align the Latch on the RIM Exit Device with the Template Latch Hole.
5. Mark the mounting and wiring holes on the CX-RIM-SB Mounting Plate and the inactive door while keeping the Template aligned with the inactive door edge.
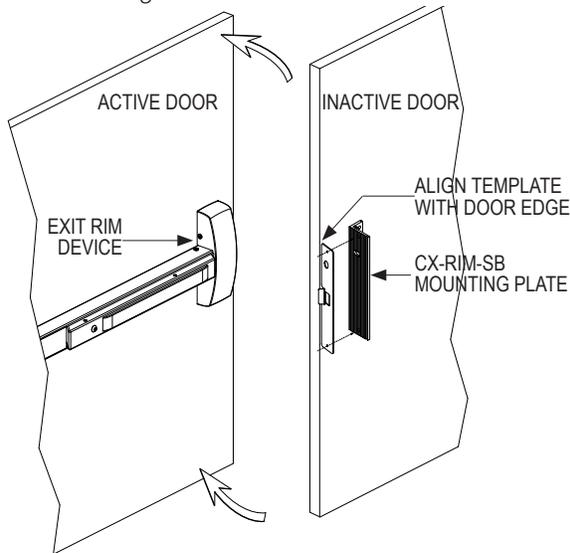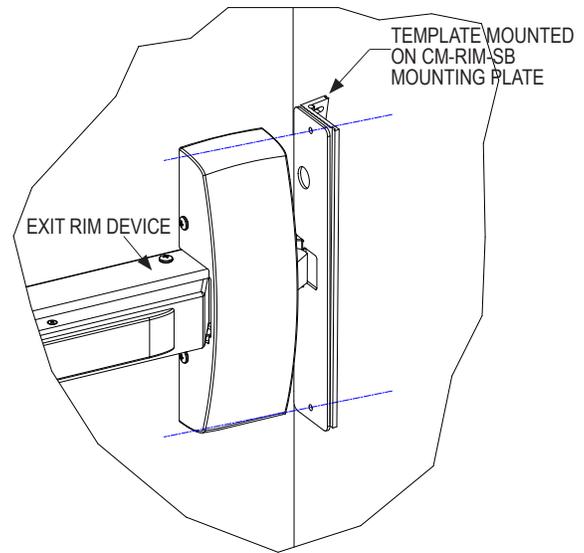

Figure 4.3 Intallation Jig Template

Figure 4.4 Template Alignment

6. Remove the Template and temporarily attach the Electric Strike to the CX-RIM-SB Mounting Plate while aligning the mounting screw holes on the inactive door. *(Figure 4.5 & 4.6)*
   • Use the top and bottom slotted mounting holes on the CX-RIM-SB Mounting Plate to adjust the gap between the Electric Strike for the and RIM Exit Device Latch.
   • Use the top and bottom slotted mounting holes on the Electric Strike to adjust its horizontal centering alignment to match with the RIM Exit Device Latch.
   • Verify and confirm the marked hole locations for wiring and the barrel nut holes for mounting screws.
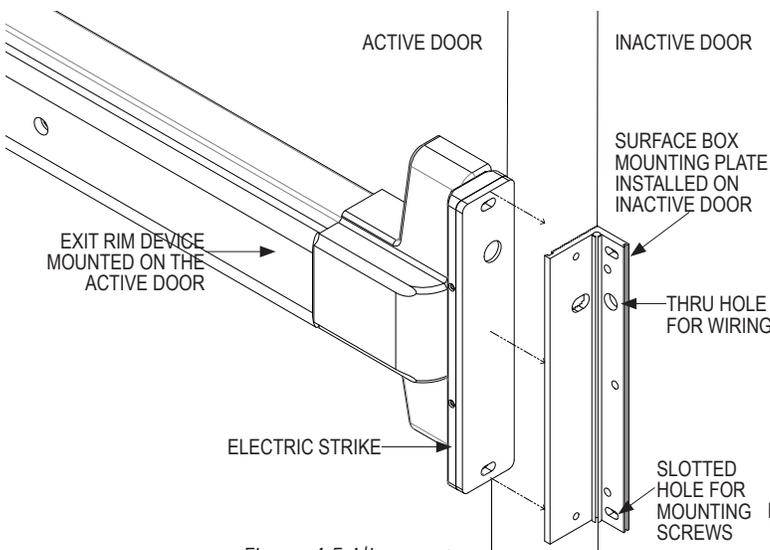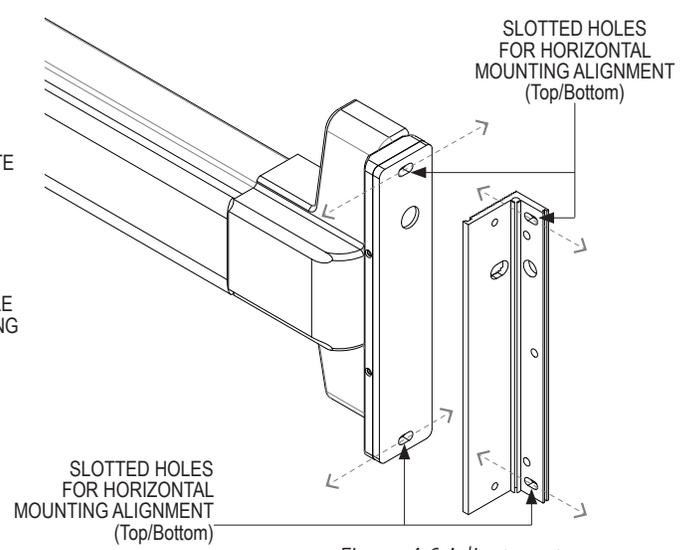

Figure 4.5 Alignment

Figure 4.6 Adjustment

Drill and Tap the Additional Mounting Scew Holes for Strike *(Figure 4.7)*

7. Align, mark, drill, and tap the two middle Strike mounting holes in the middle of the CX-RIM-SB Mounting Plate using a 13/64" or #7 drill bit for 1/4-20 x 1/2" screws.

Drill the Holes for Wiring and Mounting: *(Figure 4.8)*

8. Mark the location and drill a 5/8" (15.9mm) Ø diameter hole in the inactive door for wiring.
9. Drill the three 3/8" (9.5mm) Ø diameter through holes from the ingress side of the inactive door and through the egress side where the CX-RIM-SB will mount to insert the barrel nuts for mounting screws.

Install the CX-RIM-SB Mounting Plate: *(Figure 4.8 & 4.9)*

10. Insert each barrel nut from the ingress side of the inactive door, mount the CX-RIM-SB and fasten with the M5 x 30 screws into the barrel nuts.
11. Test fit the partially mounted Strike and ensure the Surface Box aligns correctly with the locking mechanism.
12. Tighten the M5 x 30 screws.

Install the Electric Strike: *(Figure 4.7 to 4.11)*

13. Install the CX-EPD1289L or CX-EPD1299 Electric Strike onto the mounted CX-RIM-SB Mounting Plate.
    Refer to the Installation Manuals for CX-EPD1289L or CX-EPD1299 for details on installation, electrical connection, and settings.
14. Insert the Electric Strike wiring through the Surface Box hole and connect to the power supply and control system.
15. Mount and secure the Electric Strike to the CX-RIM-SB Mounting Plate with the 1/4"-20 screws.
16. Test the Electric Strike and locking mechanism.
17. Attach and secure the Electric Strike Cover with the M3 x 6 screws (included with the CX-EPD1289L/1299L) if the locking mechanism is functioning as expected.

Close the CX-RIM-SB *(Figure 4.7 to 4.11)*

18. Insert the CX-RIM-SB Cover Plate Lip into the Groove on the short side of the Mounting Plate.
19. Attach and secure the two Side Plates on the top and bottom ends of the CX-RIM-SB Mounting Plate with the four 8-36 x 1/4" screws.
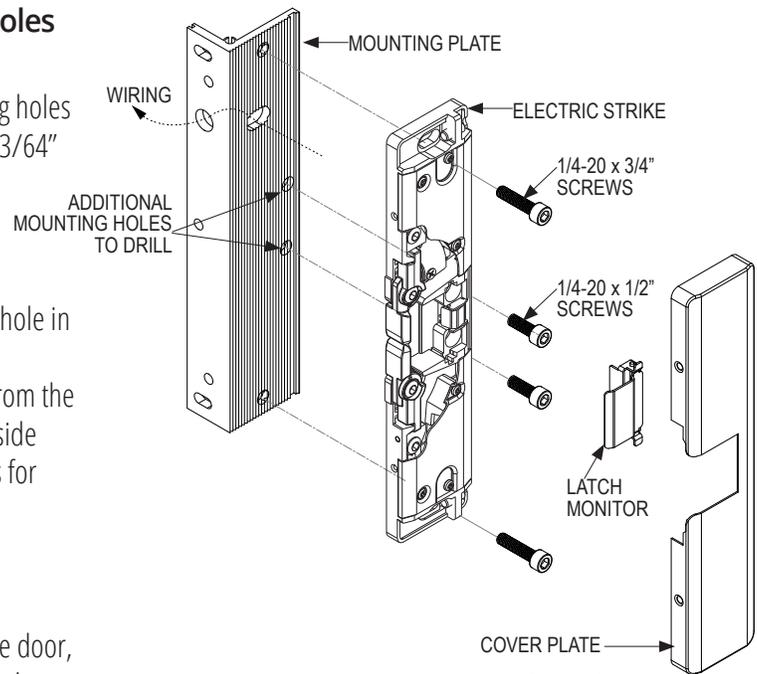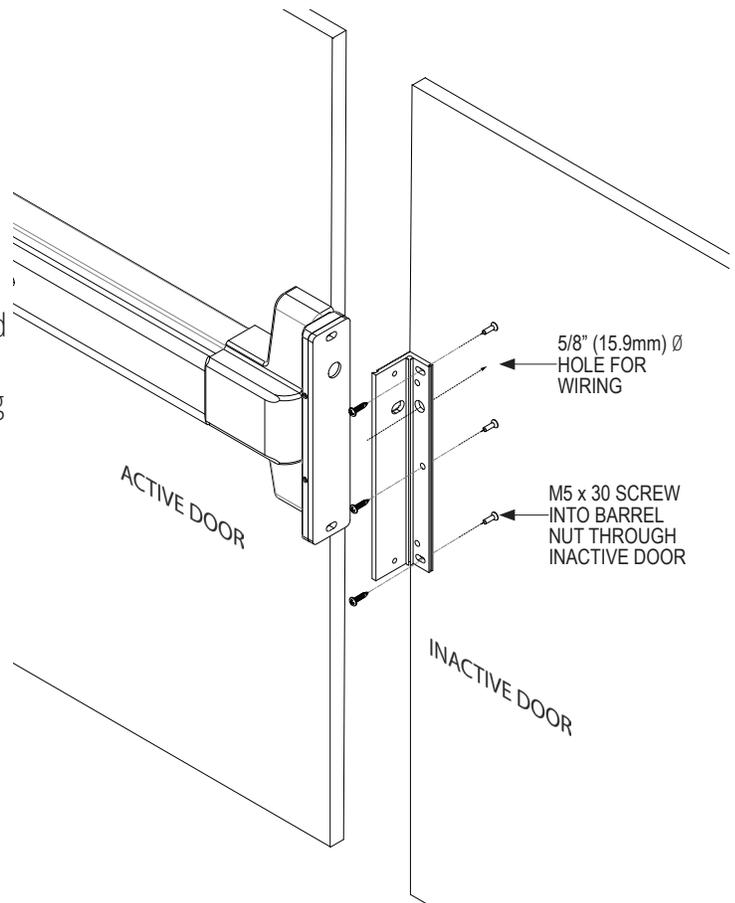

Figure 4.7 Mounting Holes for Strike

Figure 4.8 Mounting

RIM EXIT DEVICE

8-36 x 1/4" SCREW

SIDE PLATE TOP/BOTTOM

MOUNTING PLATE GROOVE

WIRING THRU HOLE

COVER PLATE LIP

COVER PLATE

ELECTRIC STRIKE

8-36 x 1/4" SCREW
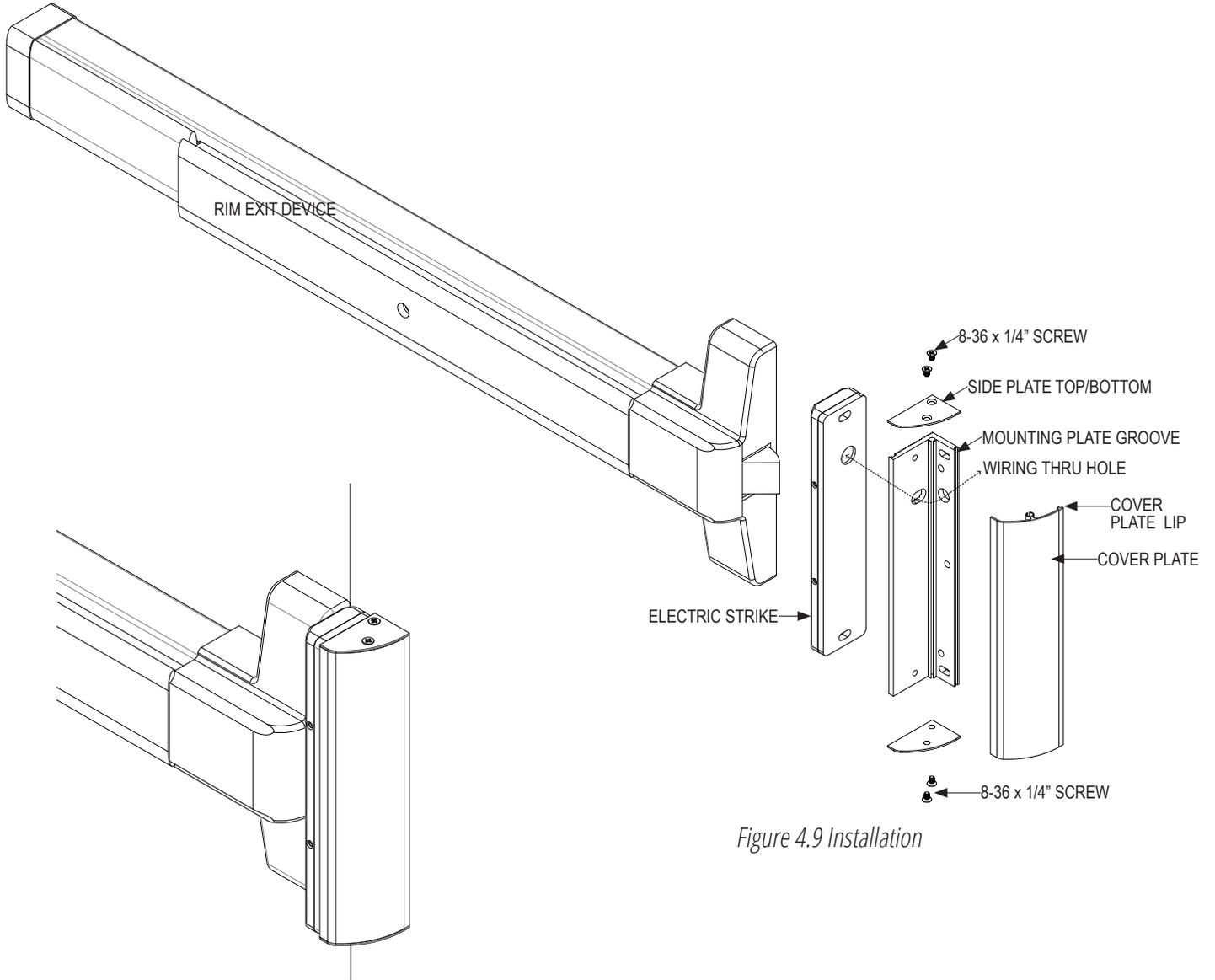
Figure 4.9 Installation

Figure 4.10 Installed

ACTIVE DOOR (CLOSED)
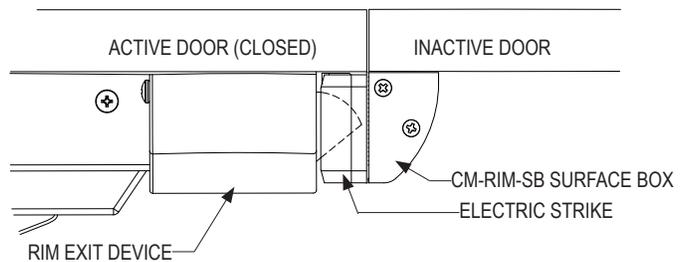
INACTIVE DOOR

CM-RIM-SB SURFACE BOX

ELECTRIC STRIKE

RIM EXIT DEVICE

Figure 4.11 Installation (Top View)