24/25 Series
Exit Alarm (EA) Kit

FALCON®

Installation Instructions

9 Volt Battery

Cover Plate

Remove and discard

Mortise cylinder with straight cam sold separately

1¼" (32 mm)

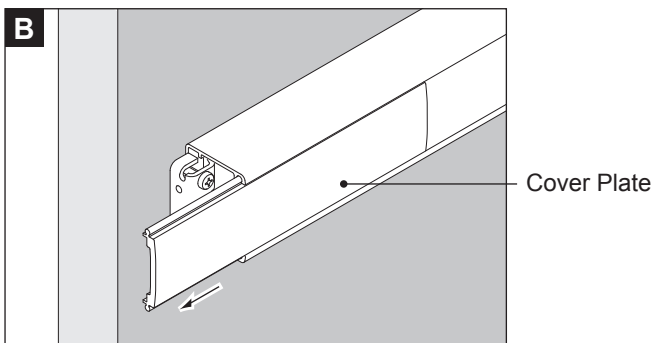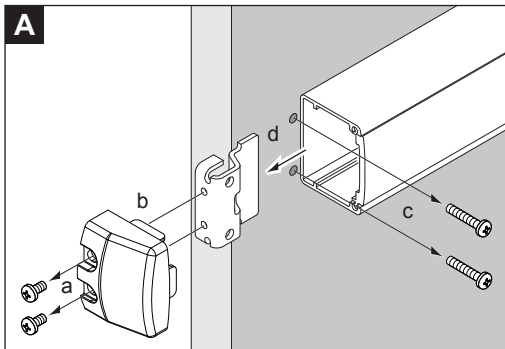Battery Holder

Battery Clip

Alarm Hardware

Cylinder Nut

Standard cam
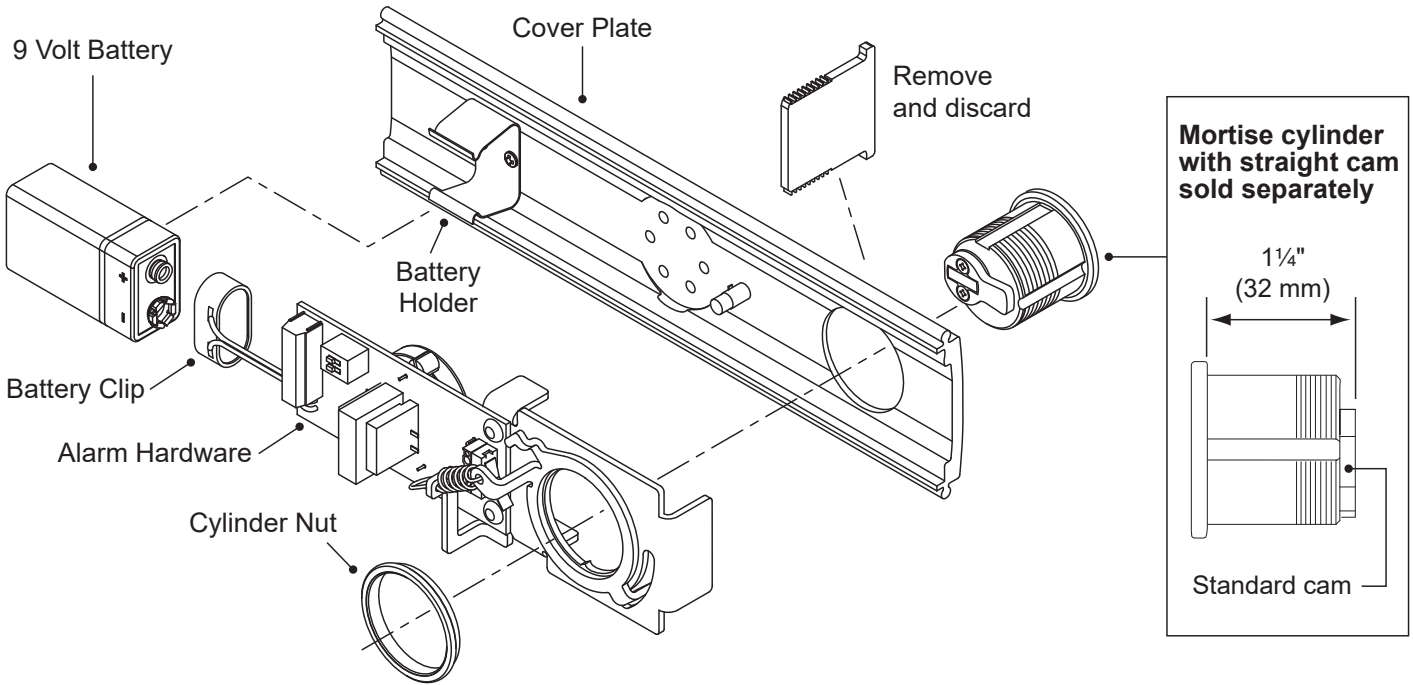
⚠ **Important Note:** The Exit Alarm Kit requires a RX or LM/DM switch mounted in the exit device.

PREPARE FOR INSTALLATION

1 Remove and discard existing cover plate.
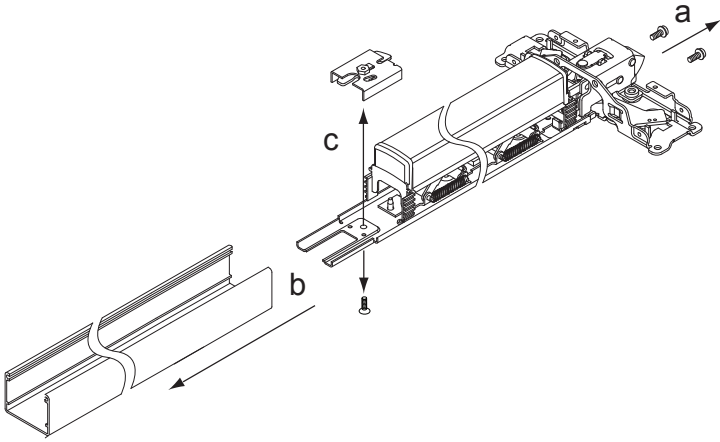
A

d

b

c

a

B

Cover Plate

2 If exit device has dogging, remove device from door.

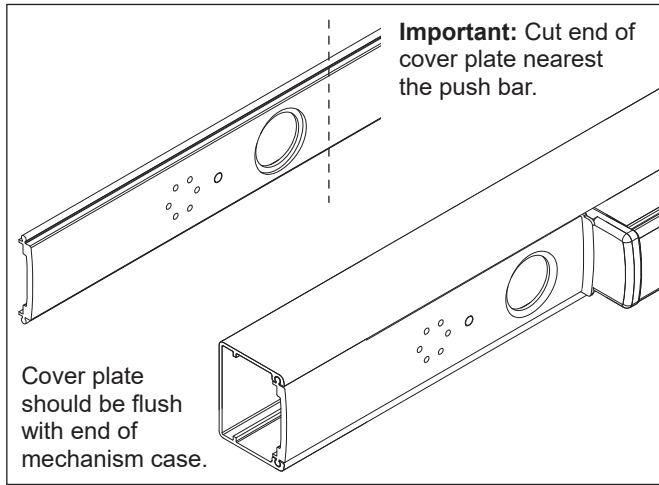If exit device does not have dogging (Fire or less dogging applications), skip to step 4.

25-R Device Shown
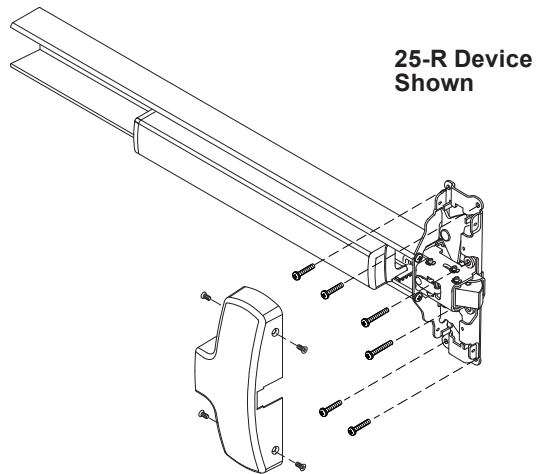
3   Remove and discard dogging assembly.

Dogging assemblies are shown below.

a

c

b

5   Assemble the exit alarm unit with the parts in order as shown below.

Ensure cylinder nut is adequately tightened down. A loose cylinder nut can result in inconsistent switch actuation.

Cylinder nut

Cam should be in OFF position before battery is installed or power is connected

4   Cut new cover plate as needed to match exit device length.

Important: Cut end of cover plate nearest the push bar.

Cover plate should be flush with end of mechanism case.

6   If exit device does not have LM/DM or RX switch, install switch before proceeding.

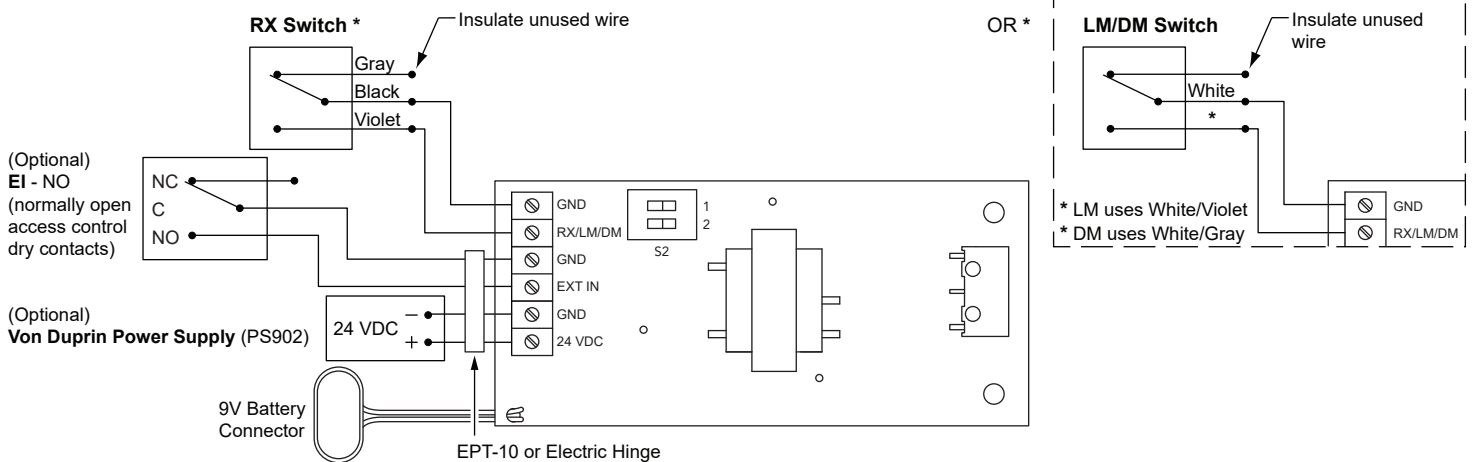ⓘ **Note: Refer to the appropriate LM/DM or RX installation instructions.**

7   Attach wiring to terminal blocks on exit alarm kit board as shown.

ⓘ **Notes about Wiring:**

The EI (external inhibit) option uses NO (normally open) dry contacts to inhibit the exit alarm.

Closing the access control contacts inhibits the exit alarm. When the access control contacts are re-opened, the exit alarm re-arms with no delay.

RX, LM, DM, and EI inputs are not polarized.

RX Switch *   ── Insulate unused wire

Gray

Black

Violet

OR *   **LM/DM Switch**   ── Insulate unused wire

White

*

(Optional) **EI** - NO (normally open access control dry contacts)

NC

C

NO

* LM uses White/Violet
* DM uses White/Gray

GND

RX/LM/DM

GND

RX/LM/DM

GND

EXT IN

GND

24 VDC

S2

1

2

(Optional) **Von Duprin Power Supply** (PS902)

24 VDC

−

+

9V Battery Connector

EPT-10 or Electric Hinge

2

8   Adjust alarm reset time, as needed.
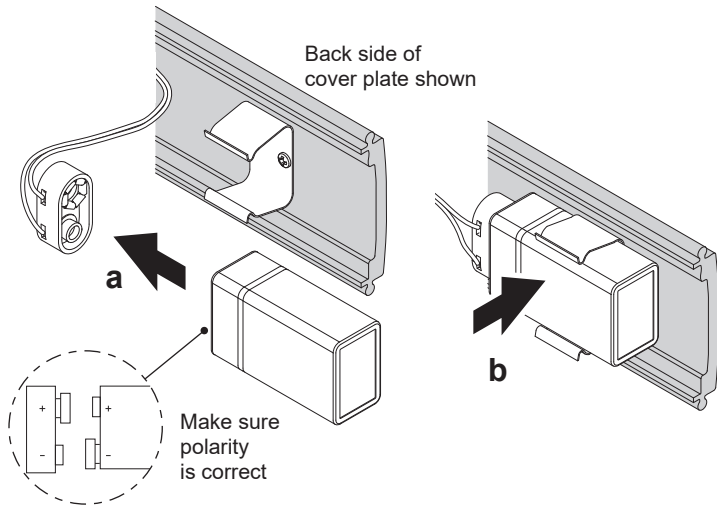
Adjust dip switches as shown below to adjust reset time.

ⓘ **Auto Reset Time (minutes): Amount of time alarm will sound before resetting automatically (no manual intervention).**

S2-2	S2-1	Reset
OFF	OFF	NONE
ON	OFF	1.5
OFF	ON	3
ON	ON	4.5

9   Partially install new cover plate.
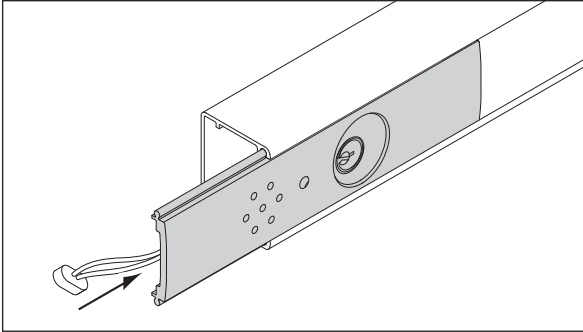
10   Connect battery and slide into holder.

Back side of cover plate shown

a

b

Make sure polarity is correct
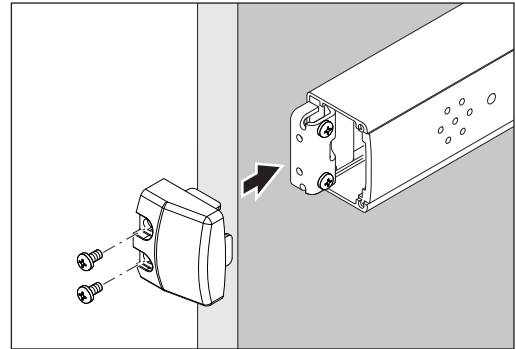

11   Reinstall exit device onto door as needed.

12   Reinstall end cap bracket.
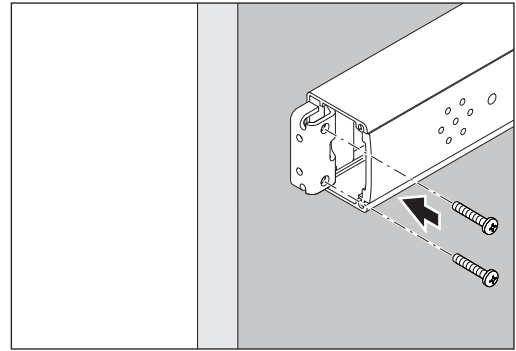
13   Install end cap.

14   Install decal on exit device pushbar.

ALARM WILL SOUND

EMERGENCY EXIT PUSH TO OPEN

3

Changing the Battery	Operating Instructions
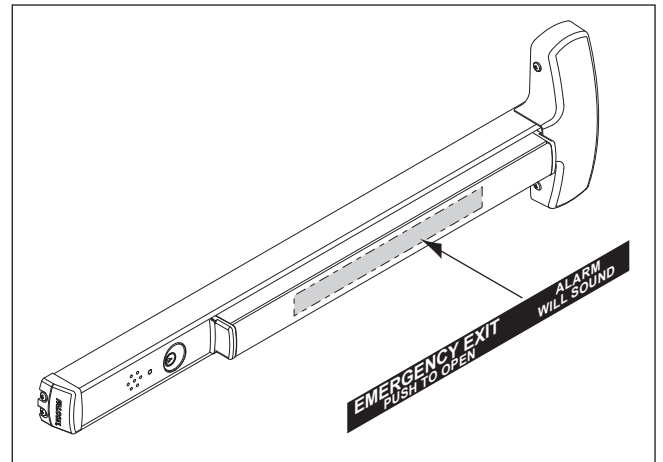
Changing the Battery

If the battery is low, a beep will sound and the LED will flash every 10 to 15 seconds until the battery is changed. The low battery alarm can be stopped by disarming the unit.

To change the battery, follow steps **Ⓐ** through **Ⓓ** below, then reassemble.

Remove end cap

a

b

Slide out EA assembly far enough to reach battery

c

Change battery

d

Slide into holder

Make sure polarity is correct
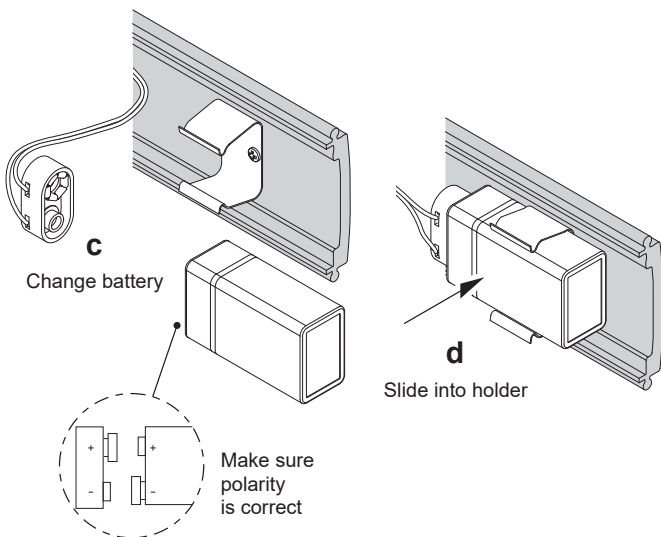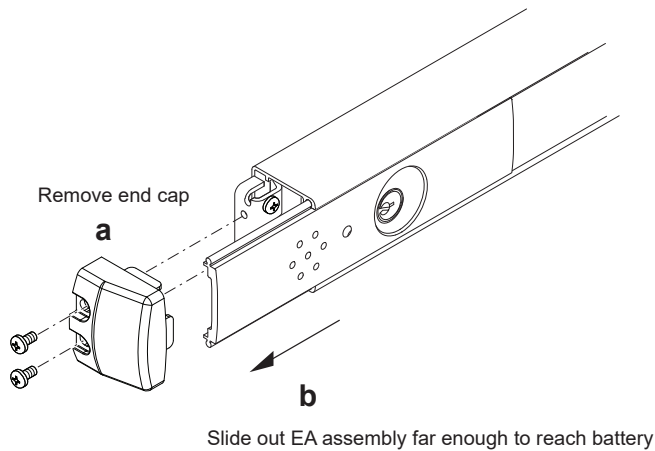
Operating Instructions

1 Insert the key into the cylinder and arm the unit by turning the key clockwise to position B until it stops.
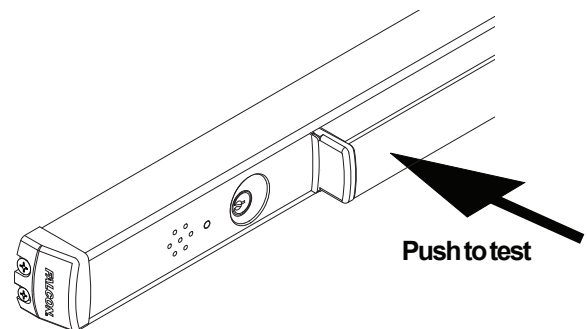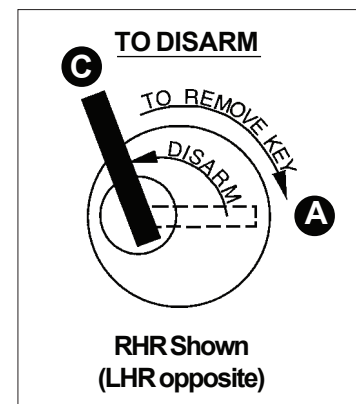
Return key to position A to remove.

ⓘ **Note: There is a 15 to 20 second delay before arming during which the LED will flash every 3 to 5 seconds.**

TO ARM

**RHR Shown
(LHR opposite)**

TO ARM
TO REMOVE KEY
Ⓐ
B
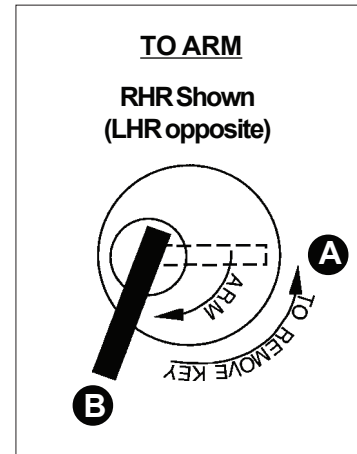
2 Observe the LED.

After the 15-20 second delay has passed, the horn will sound briefly and the LED will flash every 12 to 15 seconds. This indicates that the exit alarm kit is now in armed mode.

3 Turn the key counterclockwise to position C to disarm.

TO DISARM

C
TO REMOVE KEY
DISARM
Ⓐ

**RHR Shown
(LHR opposite)**

Push to test

Customer Service footer

ALLEGION