

Access 700™ TCPWI1

Installation Instructions

ED5200N Series Exit Devices for 9700 TCPWI1 Series Trims

(Includes: Rim and SecureBolt™)

**Corbin
Russwin**

ASSA ABLOY

FM325 09/09

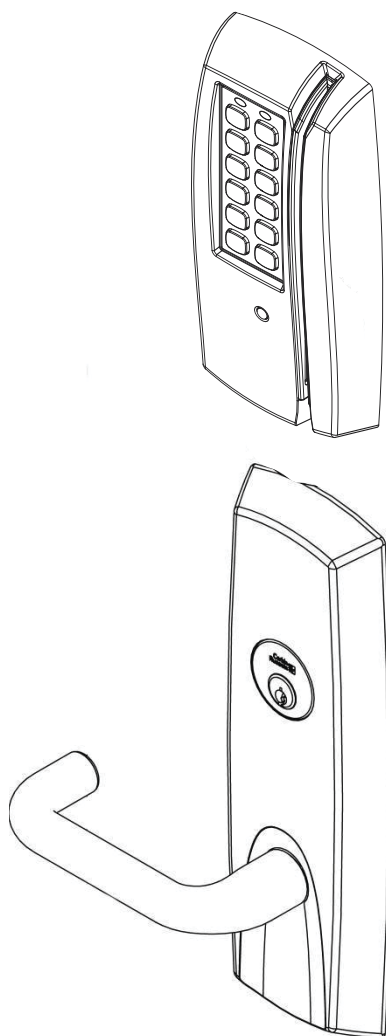
Attention Installer

Please read these instructions carefully to prevent missing important steps.

Please Note: Improper installations may result in damage to the lock and void the factory warranty.

Important: The accuracy of the door preparation is critical for proper functioning and security of this lock.

Misalignment can cause premature wear and a lessening of security.



For Technical Assistance call Corbin Russwin at 1-800-810-WIRE (9473)

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1) Warning

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced technician for help

The term “IC:” before the radio certification number only signifies that Industry Canada technical specifications were met. This Class B digital apparatus meets all requirements of the Canadian Interference Causing Equipment Regulations. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Cet appareillage numérique de la classe B répond à toutes les exigences de l’interférence canadienne causant des règlements d’équipement. L’opération est sujette aux deux conditions suivantes: (1) ce dispositif peut ne pas causer l’interférence nocive, et (2) ce dispositif doit accepter n’importe quelle interférence reçue, y compris l’interférence qui peut causer l’opération peu désirée.

-  To comply with “Fire Listed” doors, the batteries must be replaced with alkaline batteries only.
-  Observe precautions for handling electrostatic sensitive devices.

2) General Description

Designed specifically for the campus market, the Corbin Russwin Access 700 exit device provides offline card/pin access control with both keypad and magstripe card technology (or magstripe only). It is a new breed of electronic lock, providing wireless online card/pin access control, as well as detailed audit capabilities. Using WiFi technology and coupled with PERSONA Campus™ software, the P2 online lock offers a complete, integrated access control system.

The Passport 1000 P2 operates on six (6) “AA” alkaline batteries and may be used for both indoor and outdoor applications. A weather-protective gasket is recommended for outdoor applications.

3) Specifications / Features

Hardware Specifications

- Latch – Stainless steel, ½” (13mm) throw
 - Optional: ¾” (19mm) throw deadlocking fire latch for pairs of doors
- Deadlocking latch prevents manipulation when door closed
- Door Thickness – 1-3/4” (44mm) to 2” (50mm) Standard
 - Optional 2” (50mm) to 2-1/4” (57mm) optional
- Outside lever controlled by keypad/magstripe card, or key retracts latch
- Inside lever retracts latch
- Grade 1; UL Listed
- Card Coercivity: HiCo (400 Oersted) or LoCo (300 Oersted)

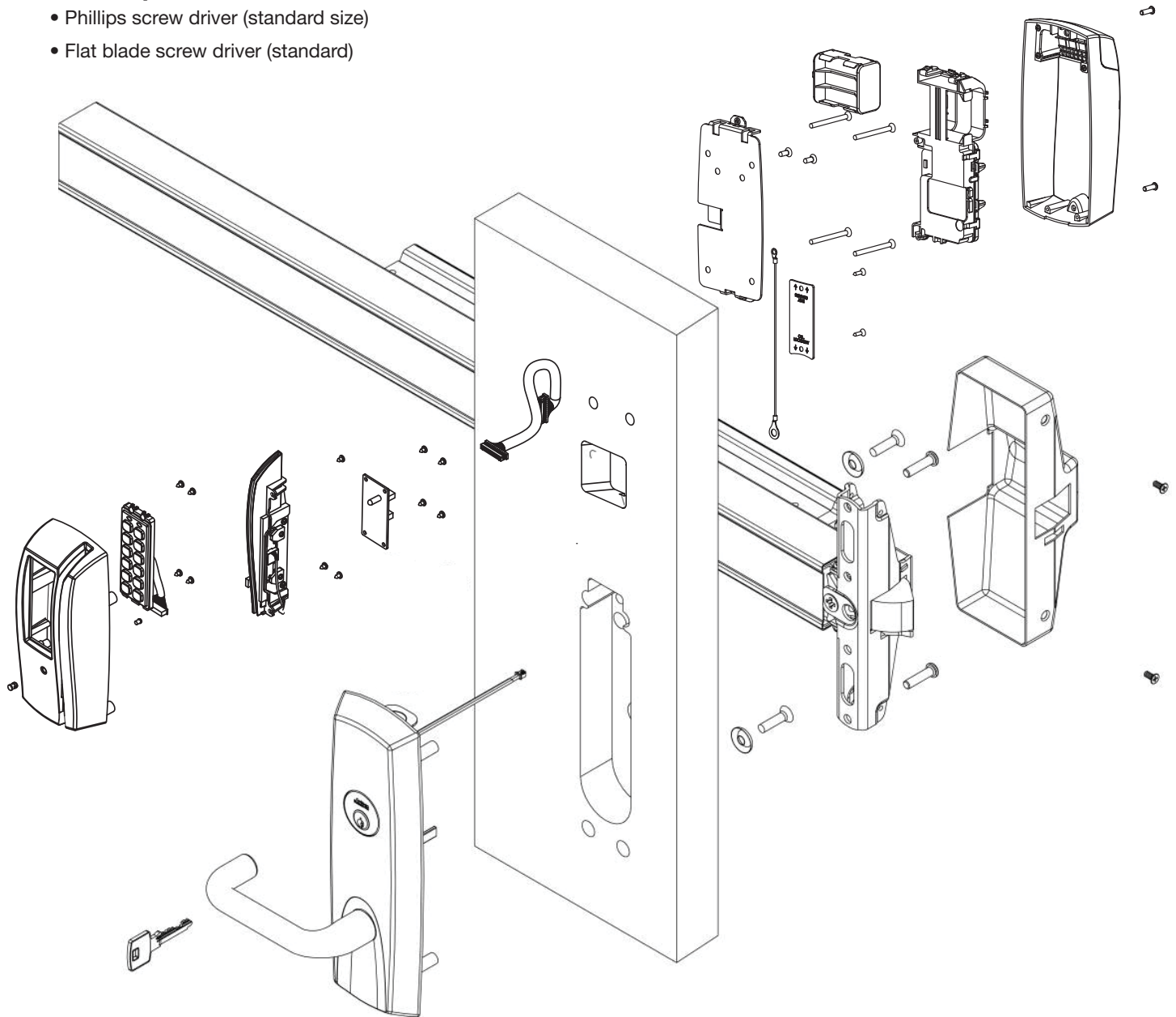
Electrical Specifications:

- 2400 users per door
- 2400 event transaction audit trail
- Multiple time zone and holiday access scheduling
- First-In unlock configuration, either by time or by valid time or by user (selectable)
- Input power: DC 9C, 1.5A (6 AA Alkaline Batteries or Electrical Power)
- Use existing magstripe ID cards (high or low coercivity)
- New key cards can invalidate and reactivate keycards/users – encoded quickly and easily through the “Conference Guest Wizard”
- Assign pre-defined access patterns and access points as well as key card start and end times (group or individually)

4) Product Illustration

Tools Required

- Phillips screw driver (standard size)
- Flat blade screw driver (standard)



5) Installation Instructions

1. Verify Hand and Bevel of door:
Door should be fitted and hung.
Verify box label for size of exit device,
function and hand.

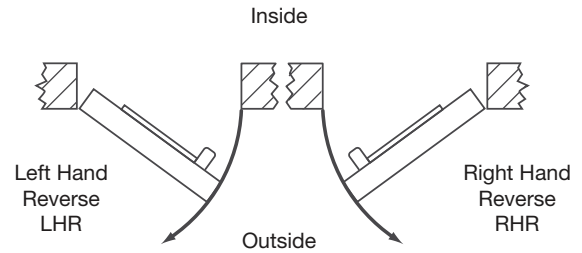


Fig. 1a

2. Prep door according to supplied Door Marker (FM302). For door manufacture templates visit www.corbinrusswin.com and reference Template # T31077.

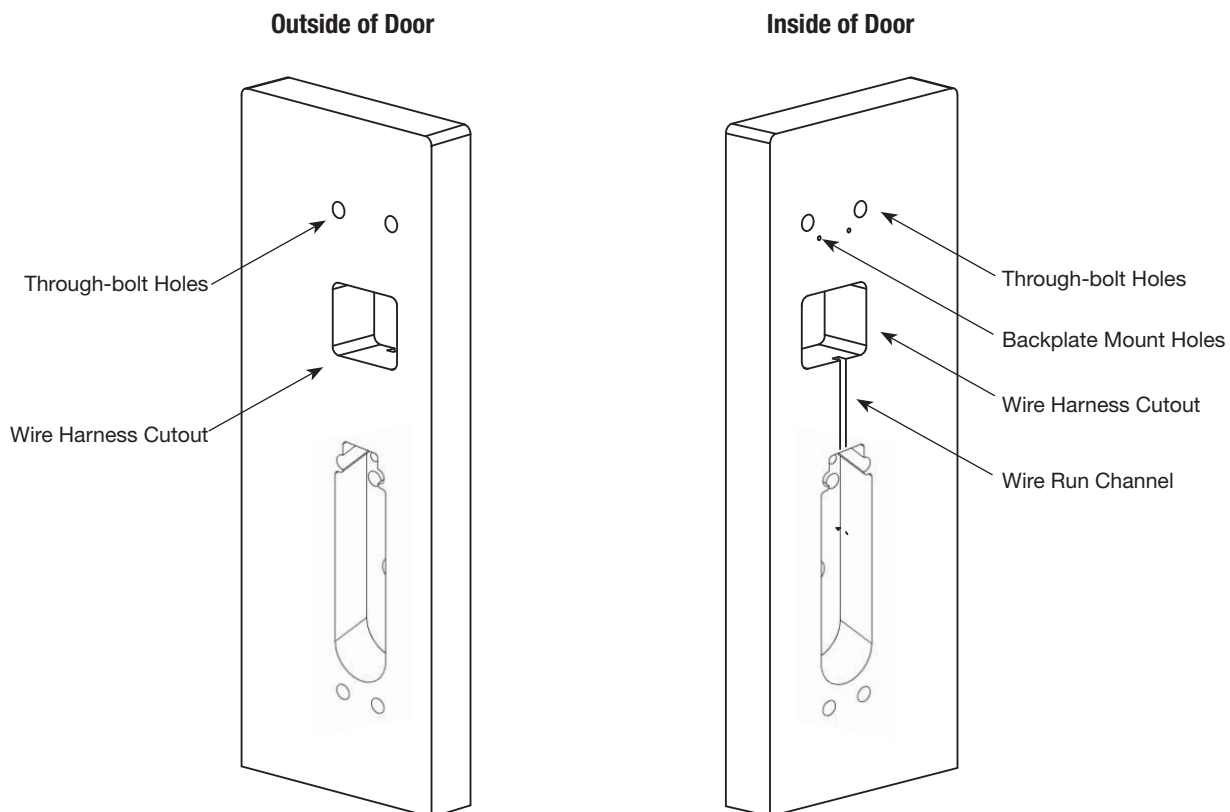


Fig. 2a

Wood Door Preparation

5) Installation Instructions (Continued)

3. Trim Assembly Instructions:

a. Check cylinder components:

Cylinders longer than 1-1/8" (29mm) require collars.

Refer to Cylinder Collar Chart (Fig. 3a).

b. If required, modify by cutting cylinder tailpeice:

Correct length is 1/16" to 3/16" (2 to 5mm)
beyond cylinder housing cam.

c. Assemble cylinder:

1. Insert cylinder housing prongs into matching notches of escutcheon.

2. Pass cylinder tailpeice through cylinder collar (if required) and slot in cylinder cam.

3. Fasten cylinder in escutcheon recess or collar using 2 mounting screws.

Do not overtighten screws.

d. **Escutcheon Assembly (Fig. 3b):

The lever is handed (LHR shown).

Note: Lever Return Spring is handed.

Hand cannot be changed without correct spring.

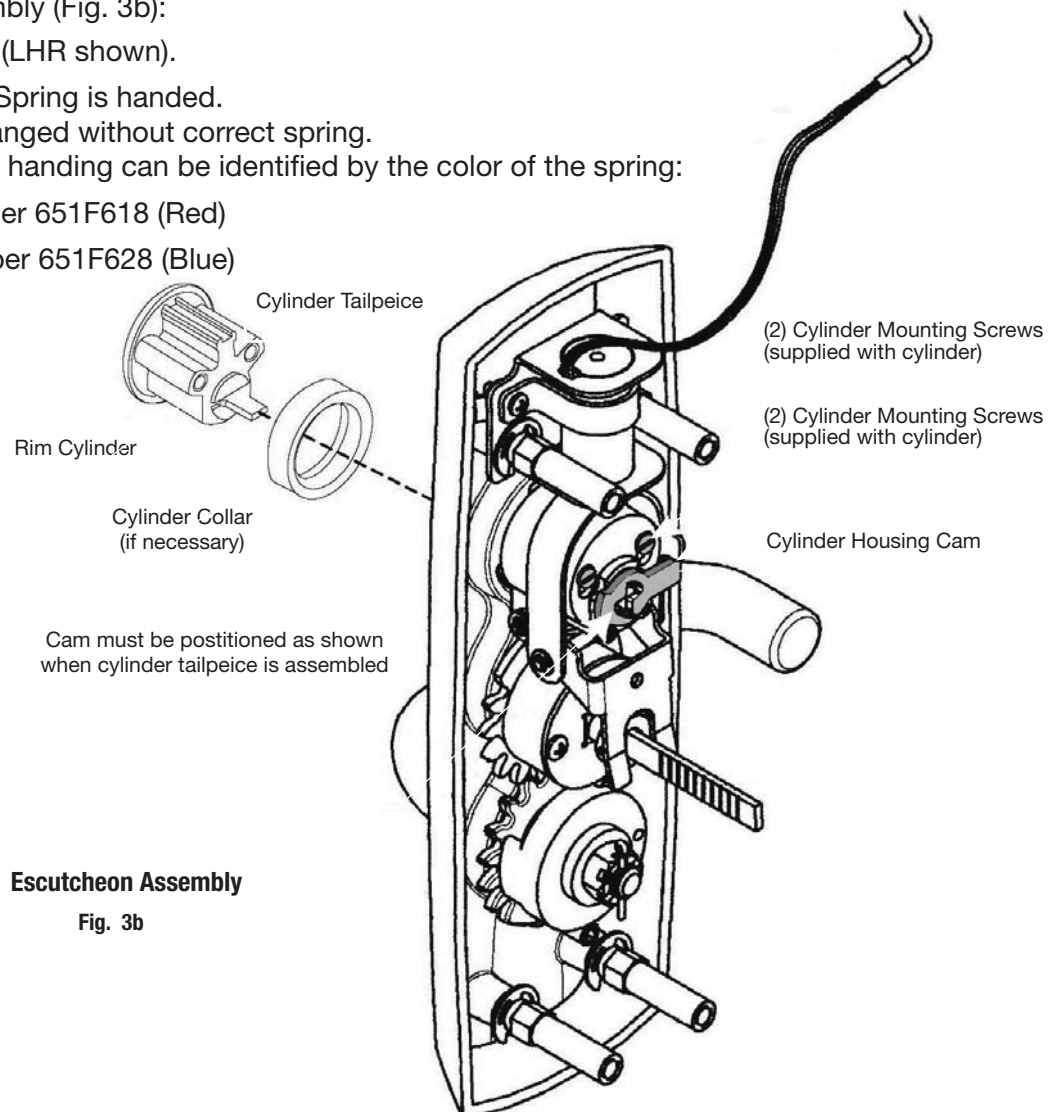
Lever Return Spring handing can be identified by the color of the spring:

- LHR: Part Number 651F618 (Red)
- RHR: Part Number 651F628 (Blue)

Cylinder Collar Chart		
Cylinder Length		Collar
Inches	Millimeters	
1-1/8"	29mm	None
1-1/4"	32mm	422F88*
1-1/2"	38mm	686F98*

*Specify Finish

Fig. 3a



Escutcheon Assembly

Fig. 3b

5) Installation Instructions (Continued)

4. Install Outside Trim

- Make sure tailpiece is oriented vertically.
- Feed trim wire harness through wire harness hole (Fig. 4a and 4b).
- Mount trim assembly to door pulling slack wire towards device side of door.
Note: Be careful not to pinch wire harness.
- When mounting trim, lift tailpiece to pass through hole on device side.
Note: Make sure tailpiece is still oriented vertically.
- Fasten trim assembly to door using (2) 1/4-20 oval head screws and (2) finish washers (Fig. 3b).
Note: Finger tighten only.

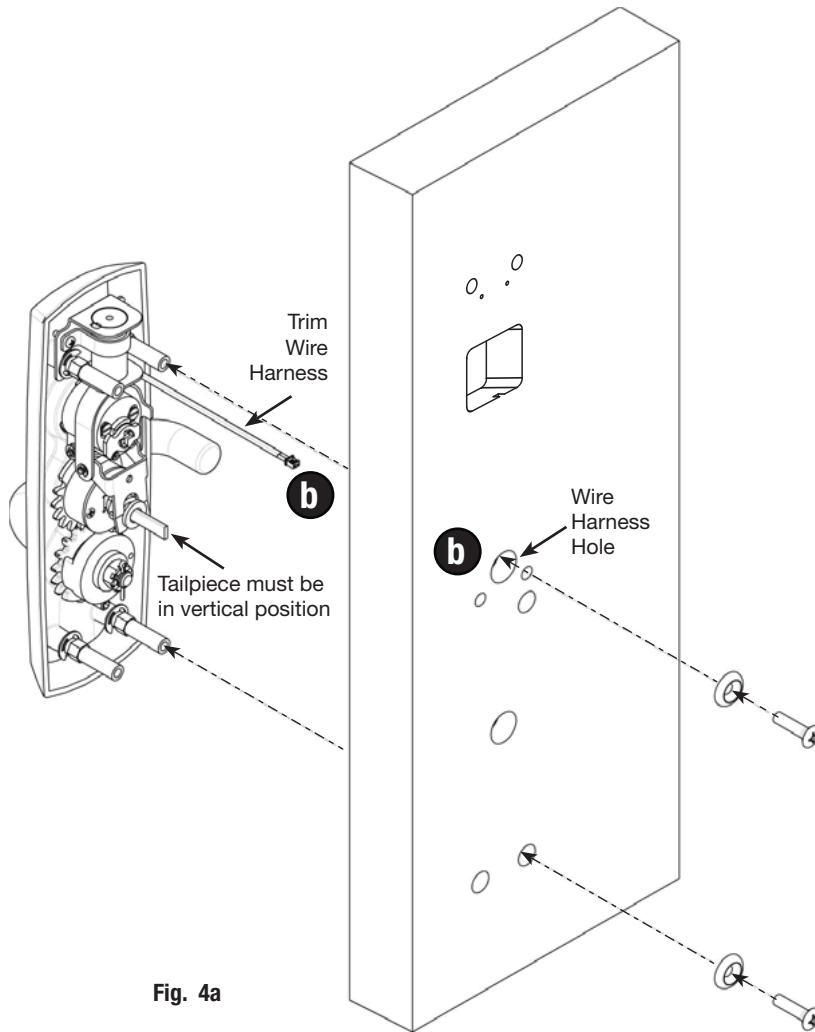


Fig. 4a

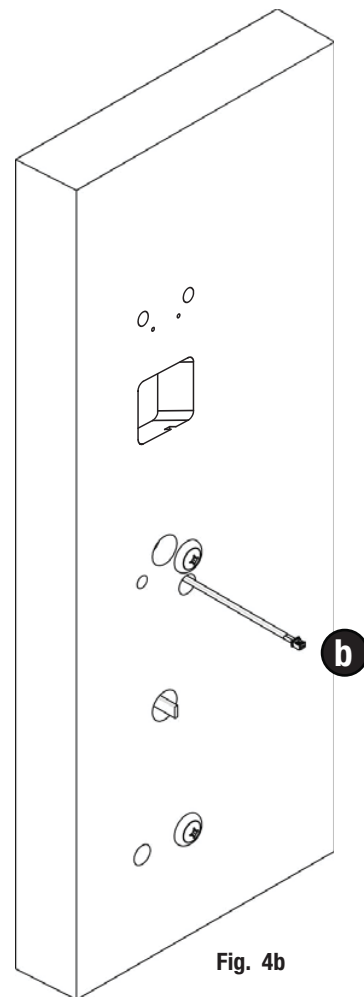
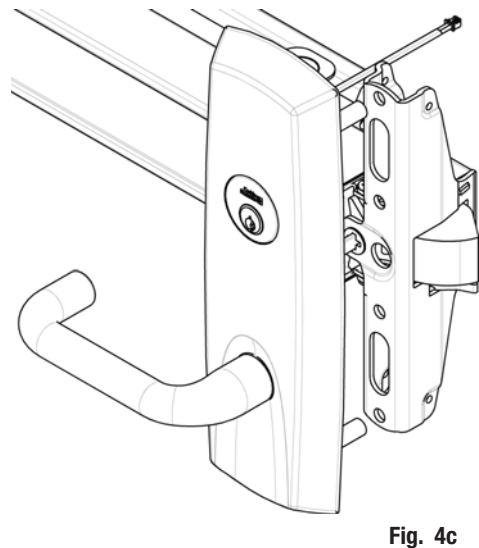
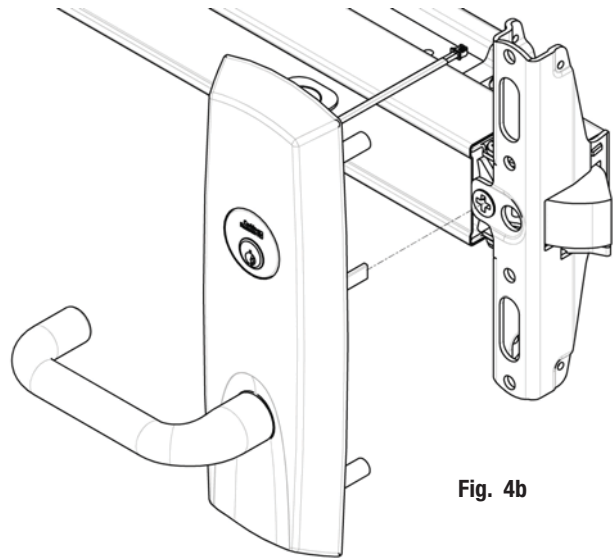
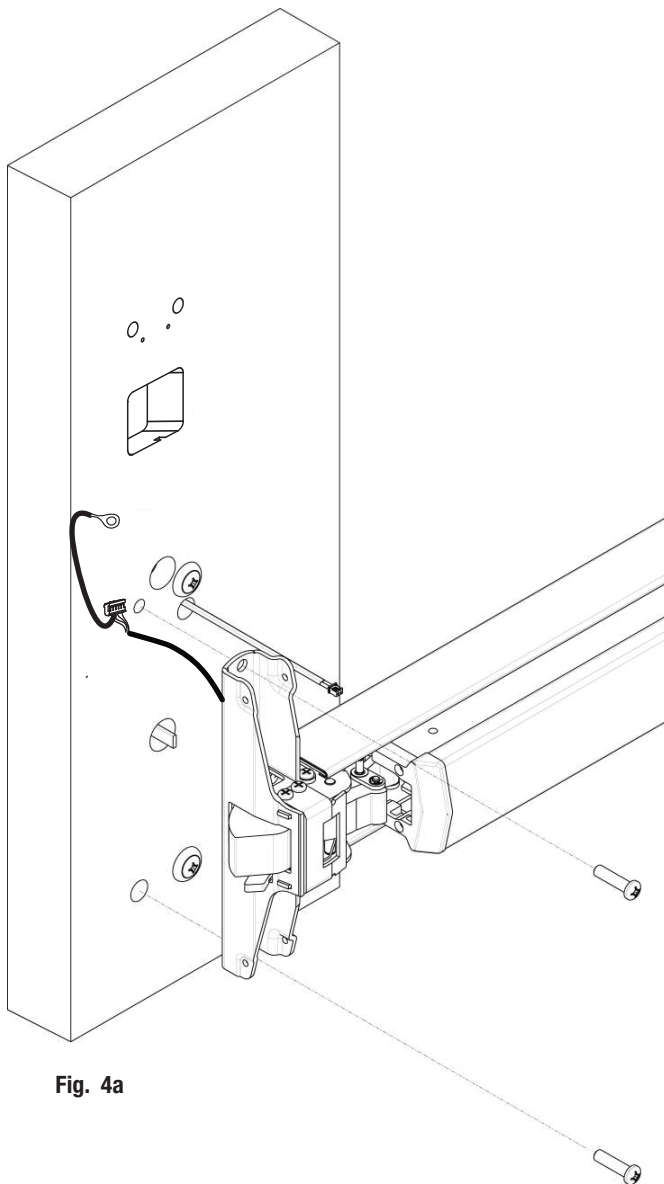


Fig. 4b

5) Installation Instructions (Continued)

4. Install Exit Device:
 - a. Seat device against door being careful to align vertical trim tailpiece to engage with cross hole of device cam.
 - b. Fasten device to trim assembly using (2) 1/4-20 pan head screws.
 - c. Follow instructions packed with device to secure device to door.
 - d. Tighten all 4 screws.

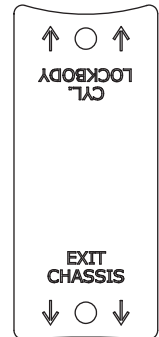


5) Installation Instructions (Continued)

5. Install Head Cover:
 - a. Lay wire harnesses (trim harness and device harness) across $\frac{3}{4}$ " hole (Fig. 5a).
 - b. Tuck wires into hole when installing cover so that wires are not pinched between head cover and door.
 - c. Attach head cover using (2) #8-32 flat head screws (Fig. 6b).
6. Install Wire Cover Plate:

Install the wire cover plate to the inside of the door above the lock body (Fig 5b). Be careful not to pinch the wires when securing the cover plate.

Back Side of Wire
Cover Plate



This Side Down

Fig. 6a

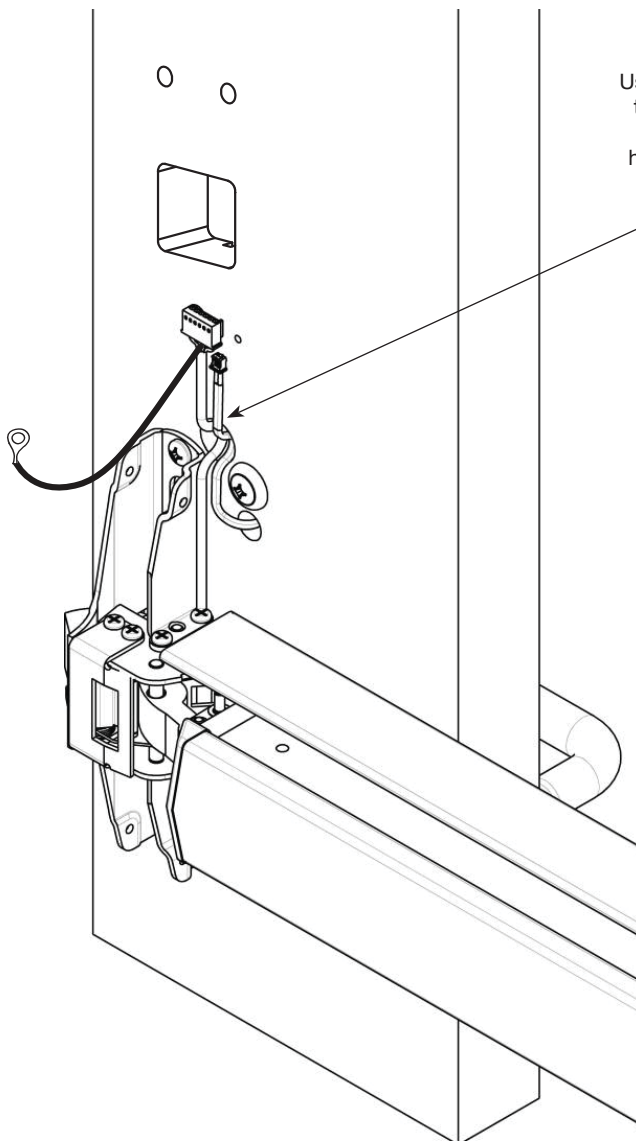


Fig. 5a

Use $\frac{3}{4}$ " hole to
tuck trim and
device wire
harness under
head cover,

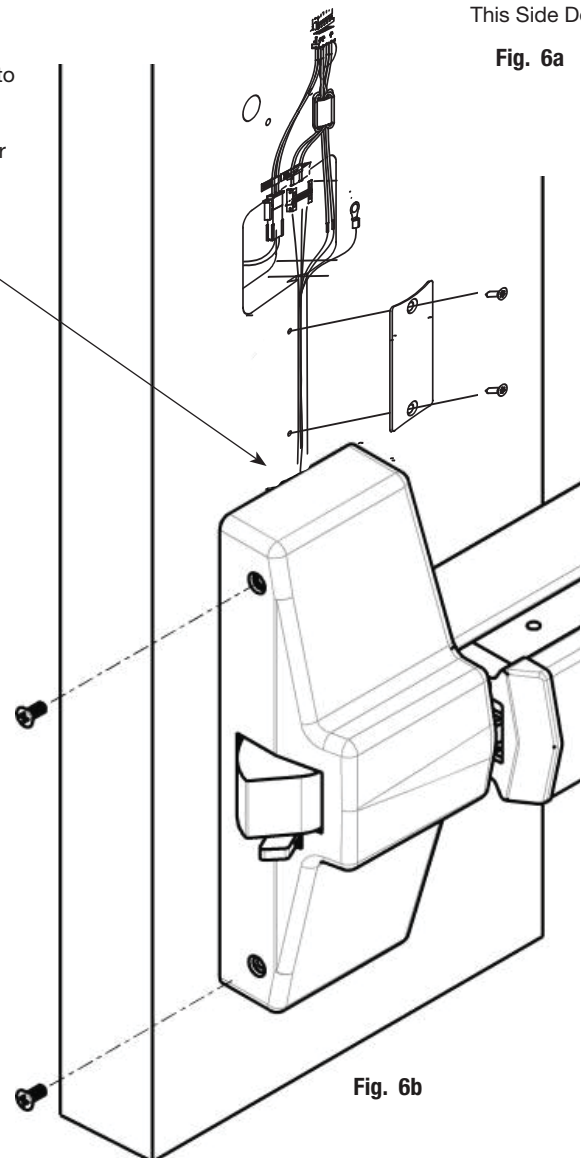


Fig. 6b

7. Install Outside Escutcheon with Weatherseal Gasket (optional) and Inside Mounting Plate:

Note: For non-fire rated door applications, an optional gasket may be used as a weatherseal between the escutcheon and the outside door surface.

Peel off adhesive backing and attach to (outside) escutcheon (Fig. 7a).

Required for fire rated doors:

Install four #8-32 machine screws and two #8 surface screws (Fig. 7b and 8a).

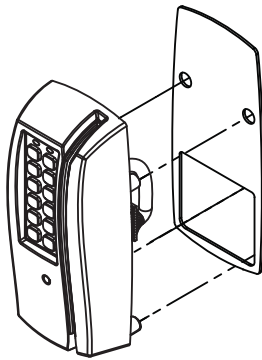


Fig. 7a

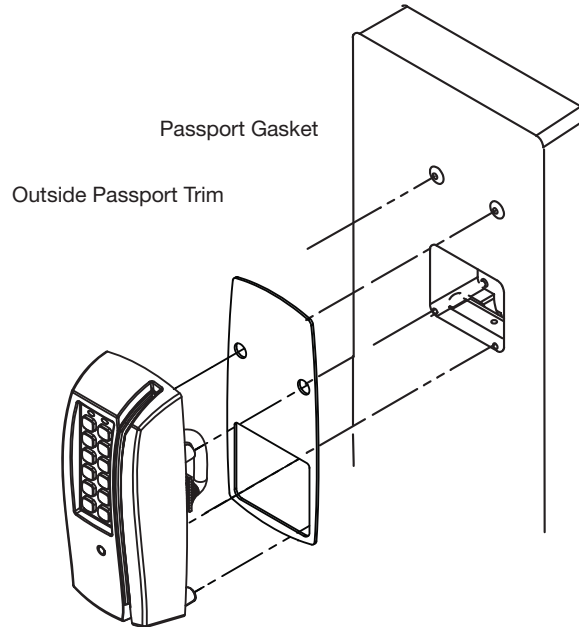
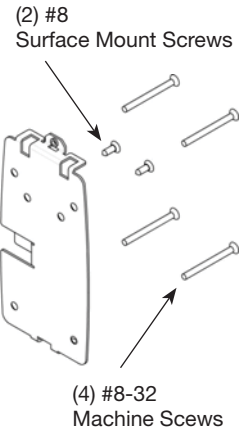


Fig. 7b



Outside Face of Door

8. Install Ground Wire:

Install green grounding wire under lower right through-bolt (Fig. 8b).

IMPORTANT - Required for fire rated doors: Surface mount screws required for fire rated doors (Fig. 10a).

IMPORTANT: Door must remain open during installation.

Use door stop.

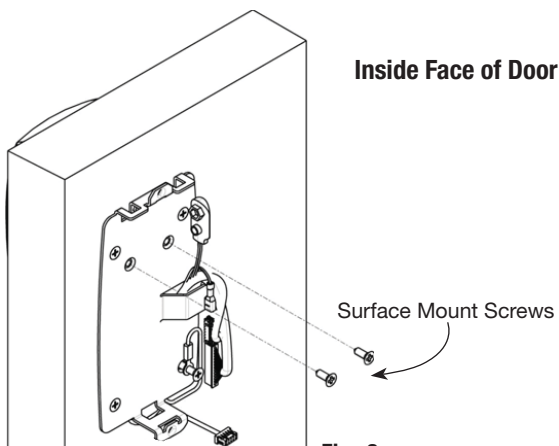


Fig. 8a

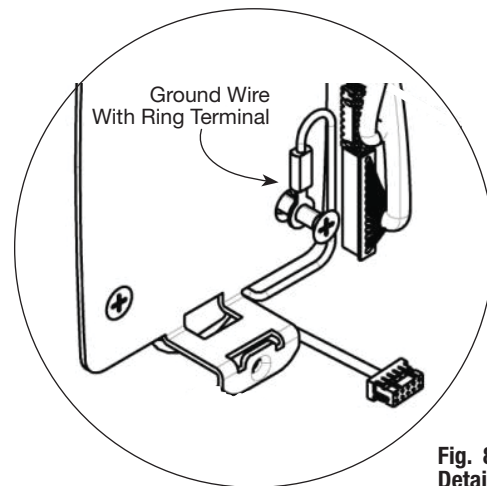


Fig. 8b
Detail

9. Install Outside Escutcheon and Mounting Plate Assembly:

Insert the mounting posts through holes as shown (Fig.9a).

- On the inside of the door, position the mounting plate over the indicated holes. As you feed controller, keypad, battery and grounding cables through the side opening (Fig.5B1), tuck the ferrite bead carefully under the reader.

Note: Insert either of the top corner screws to hold the plate as you feed the cables through.

Also refer to Step 8b.

- Attach grounding lug to bottom right screw.

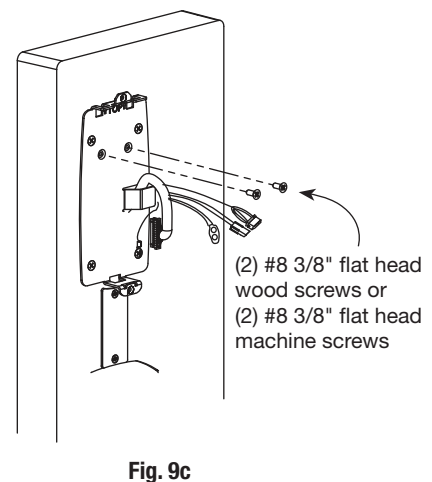
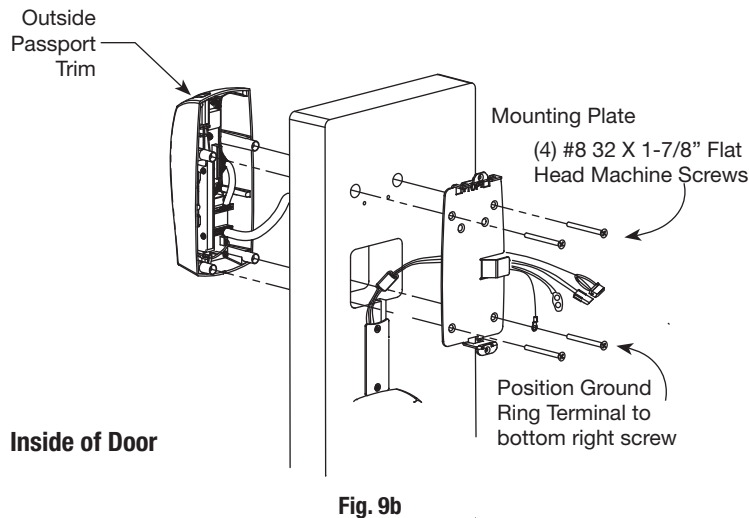
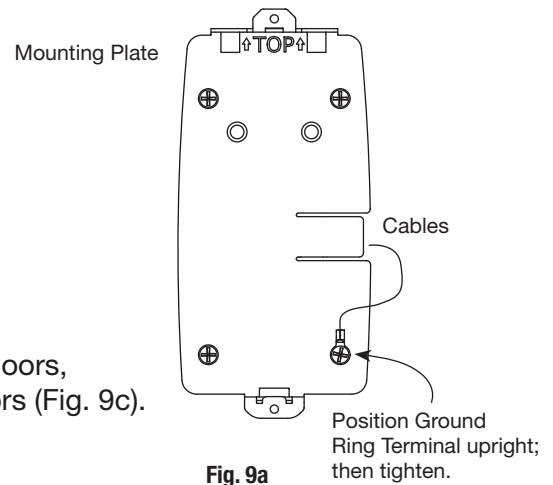
Position upright as shown (Fig.9b).

- Insert remaining corner screws and tighten all, fastening the outside escutcheon to the door Fig. 9c).

IMPORTANT: If the following step is skipped, the product will not be UL-compliant:

- Attach two (2) #8 x 3/8" flat head wood screws for wood doors, or (2) #8-32 x 3/8" flat head machine screws for metal doors (Fig. 9c).

Tighten securely.



5) Installation Instructions (Continued)

10. Install Electronics Module:

- Insert the single tab on the electronics module into the single tab at the bottom of the mounting plate.
- Tilt the module upward and secure the top two tabs into the mounting plate (Fig. 11a).

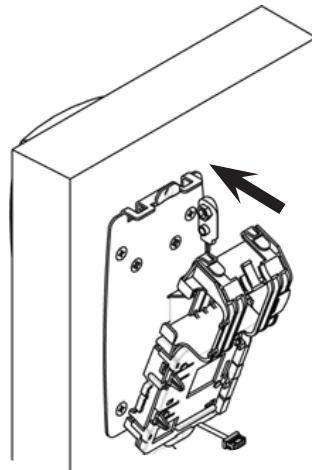


Fig. 10a

11. Attach Connectors:

Secure the following connectors to the circuit board as shown (Fig. 11a and 11b Detail).

- Secure the mortise lock body assembly connector (10-pin).
- Secure the mortise keypad/card reader connector (14-pin).

Note: Connectors go on only one way. Do not force and do not offset connector. Be sure they are seated (completely flush).

IMPORTANT: Door must remain open during installation. Use door stop.

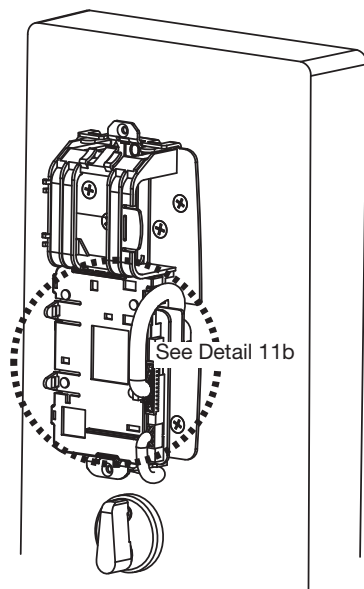


Fig. 11a

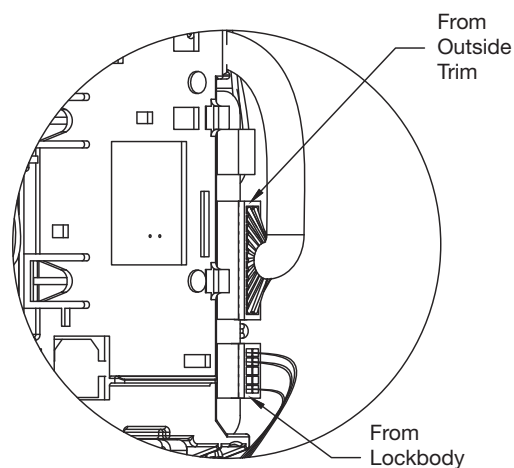


Fig. 11b Detail

5) Installation Instructions (Continued)

12. Battery/ Battery Pack Installation:

- Place (6) "AA" batteries into the compartment being careful to align polarity (- & +) according to case markings (Fig. 12a).
- Insert battery pack and click into place, making sure polarity terminals on the battery pack are oriented upward (Fig. 12b).

Fig. 12a

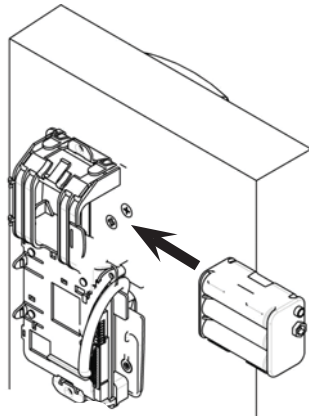
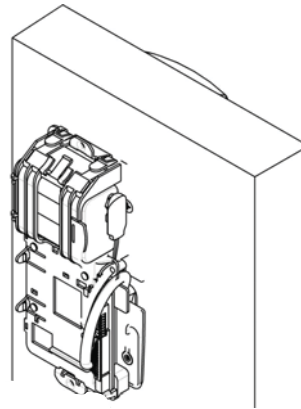


Fig. 12b



13. Install Inside Escutcheon:

Make sure DIP Switch (Fig. 13a) is set correctly before installing escutcheon.
Install escutcheon using two #8-32 T20 Security Torx Screws.
Be careful not to pinch wires under escutcheon.

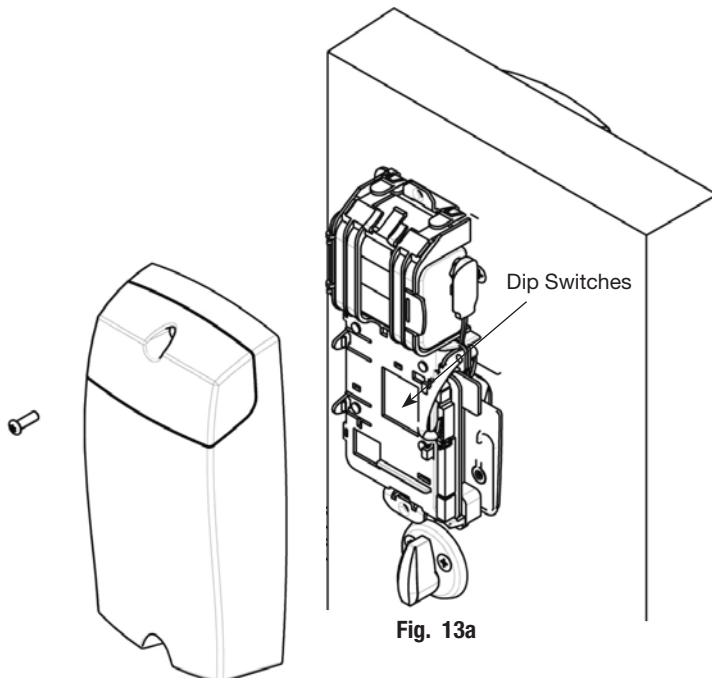


Fig. 13a