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.

FCC

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 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 radio/TV technician for help.

Industry Canada:

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.

Conformément à la réglementation d’Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d’un type et d’un gain maximal (ou inférieur) approuvé pour l’émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l’intention des autres utilisateurs, il faut choisir le type d’antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l’intensité nécessaire à l’établissement d’une communication satisfaisante.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and SARGENT Manufacturing makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

To avoid possible damage from electrostatic discharge (ESD), some basic precautions should be used when handling electronic components:

- Minimize build-up of static by touching and/or maintaining contact with unpainted metal surfaces such as door hinges, latches, and mounting plates especially when mounting electronic components such as readers and controllers onto the door.
- Leave components (reader and controller) protected in their respective anti-static bags until ready for installation
- Do not touch pins, leads or solder connections on the circuit boards
Passport 1000 P2 WiFi Exit Device

General Description

An ANSI/BHMA Grade 1 lock using WiFi technology, the Passport 1000 P2 Exit device provides a cost-effective, future-proof solution for campuses.

Featuring multiCLASS SE® Technology from HID Global®, it provides simultaneous support for multiple credentials and offers an easy migration path to higher security credentials and mobile access.

With no wiring required, installation is fast, easy and affordable.

Hardware Specifications

- Complete lockset with on-board memory
- Magnetic swipe standard with optional multiCLASS SE reader and/or keypad
- ADA compliant
- Exit Device always allows immediate egress
- Available with ET Trim only (many lever designs available)

Note: A weather-protective gasket is required for outdoor applications.

Electronic Specifications

- HID® multiCLASS SE® technology offers support for the following credentials:
  - 2.4 GHz credential compatibility:
    - Secure Identity Object™ (SIO) on Mobile IDs (Bluetooth Smart)
  - 13.56 MHz credential compatibility:
    - iCLASS®
    - iCLASS SE® (SIO-enabled)
    - iCLASS Seos®
    - SIO on MIFARE® Classic
    - SIO on MIFARE® DESFire® EV1
    - MIFARE® Classic
    - DESFire® EV1
  - 125 kHz credential compatibility:
    - HID Prox®

*For specific security information, please contact your local ASSA ABLOY Door Security Solutions sales consultant or call 800-810-WIRE.

Passport 1000 P2 Rim Exit

- Latch – 3/4" throw, stainless steel
- Accepts all SARGENT rim cylinders (8877 only)
- Key override standard with 8877 (#34 rim cylinder supplied)

Passport 1000 P2 Mortise Exit

- Latch – 3/4" throw, anti-friction, brass
- Key override standard with 8977 (#46 (1-3/4") mortise cylinder supplied)

Power Requirements:

- Alkaline AA Batteries: 9V, 300mA
- Optional Hard Power (UL294 Listed Power Supply Required): 9-24VDC, 300mA

Destructive Attack Level 1
Line Security Level 1
Endurance Level 4
Standby Power Level 1

UL 294 Access Control Ratings:

- Wireless (WiFi 802.11 b/g/n), battery-operated
- 2,400 users per lock; 10,000 event audit trail
- Multiple time zone and holiday access scheduling
- First-In unlock configuration, based on specified time schedule
- Support for most advanced wireless encryption and authentication standards such as WEP, WPA, WPA2 and 802.1x*

UL Listed - UL 294 Indoor Use
CUL Listed - S319: Class 1
## Parts Breakdown

**P2 WiFi Lock with Magnetic Card Swipe With or Without Keypad**

### Tools Required:
- #2 Phillips screwdriver
- Flat head
- T20 Torx® driver

<table>
<thead>
<tr>
<th>ITEM No.</th>
<th>PART No.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>52-3583-[finish]</td>
<td>Outside Escutcheon Assembly, mag stripe</td>
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<tr>
<td></td>
<td>52-3582-[finish]</td>
<td>Outside Escutcheon Assembly, mag stripe and Keypad (shown)</td>
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<td>Outside Escutcheon Assembly, Mag Swipe, Keypad, and HID 125 kHz Prox</td>
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<td>52-4759-[finish]</td>
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<td>Outside Escutcheon Assembly, FeliCa, keypad, mag stripe, Prox</td>
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<td>Outside Escutcheon Assembly, Standard Reader and Keypad</td>
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<td></td>
<td>52-4895-[finish]</td>
<td>Outside Escutcheon Assembly, Standard Reader</td>
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<td>52-4896-[finish]</td>
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<td>52-4897-[finish]</td>
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<td>2</td>
<td>52-4779</td>
<td>Mounting Plate Assembly</td>
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<td>3</td>
<td>52-5409</td>
<td>WiFi Controller Assembly</td>
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<td>52-4776-[finish]</td>
<td>Inside Escutcheon Assembly with Privacy Button</td>
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<td>5</td>
<td>52-5373</td>
<td>Door Position Switch Kit</td>
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</table>

*Bluetooth® Smart option*
### Items Supplied with Exit Device

**8877 and 8977 Series Exit Device Contents**
- Outside escutcheon with magnetic swipe standard with optional proximity reader and/or keypad
- Outside motorized ET trim
- 8800 Rim or 8900 Mortise Lock Exit Device
- #46 Mortise cylinder for 8977 (1-3/4” Door)
- #34 Rim cylinder for 8877
- Inside escutcheon with circuit board and battery pack
- 6 “AA” alkaline batteries
- Screw Pack

**8878 and 8978 Series Exit Device Contents**
- Outside escutcheon with magnetic swipe standard with optional proximity reader and/or keypad
- Outside motorized ET trim
- 8800 Rim or 8900 Mortise Lock Exit Device
- Inside escutcheon with circuit board and battery pack
- 6 “AA” alkaline batteries
- Screw pack

---

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PART No.</th>
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<tr>
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<tr>
<td></td>
<td>97-4106</td>
<td>Exit Trim (ET) Without Cylinder</td>
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<td></td>
<td>52-4845</td>
<td>Motor Assembly (Separate - not shown)</td>
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<td>68-7255</td>
<td>Chassis Assembly</td>
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<td>68-7256</td>
<td>Chassis Assembly (Fire Rated)</td>
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<td>68-5836</td>
<td>Chassis Assembly (Latch Guarding)</td>
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<td>68-2143</td>
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<tr>
<td>6</td>
<td>68-3905</td>
<td>Screw Pack “B” Cover Screws</td>
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<td>68-1014</td>
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<td>8</td>
<td>68-4388</td>
<td>Trim Screw Pack</td>
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### Parts Breakdown (continued)

#### 8977/8978 x RT x Lever Design  Passport 1000 Mortise Exit Device

<table>
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<td>Exit Trim (ET) With Cylinder</td>
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<td>97-4108</td>
<td>Exit Trim (ET) Without Cylinder</td>
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<td>52-4845</td>
<td>Motor Assembly (Separate - not shown)</td>
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<td>8900 Lock Body Assembly LHR (Non-Beveled Door)</td>
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<td>8900 Lock Body Assembly RHR (Non-Beveled Door)</td>
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<td>Machine Screw</td>
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<td>Wood Screw</td>
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<td>10</td>
<td>68-4388</td>
<td>Trim Screw Pack</td>
<td>1</td>
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Installation Instructions for 8877/8878 Rim Exit

1. Door Preparation

A. Verify Hand and Bevel of Door
   - Check hand of door.
     The exit device is non-handed and the trim is field reversible.
   - Door should be fitted and hung.

B. Verify Product Label

C. Door Preparation
   1. If mullion is used, install prior to installing hardware.
   2. Doors should be pre-prepped (recommended).
   3. Use appropriate templates:
      - Passport Exits 8800 Rim P2 with DPS A8072
      - Passport Exits 8800 Rim P2 without DPS A8073
      - Manufacturer's template 4656 with DPS
      - Manufacturer's template 4694 without DPS
      - Exit installation instructions A6770

Note: Instruction examples show wood door installation.
For metal doors, route cables inside door.
2 Install Door Position Switch (DPS)

Wood doors have 3/8” raceway to controller cutout and metal doors have 3/4” raceway to the controller cutout. Refer to template A7951.

1. Insert connector end of DPS through the raceway on the latch edge of the door (Fig. 2A).
   Note: For metal doors, use DPS Collar.
2. Push DPS firmly into place by hand.
   **IMPORTANT:** DO NOT TAP SWITCH WITH ANY TOOL.

3 Position Exit Trim (ET)

For exterior applications, use ET gasket (52-0263) to seal between ET escutcheon and outside door surface.

1. For wood doors: Route ET wire harness through the cylinder hole, out the other side, and through the wire run channel to the controller cutout.
   For metal doors: Route ET wire harness through the cylinder hole and door and out the controller cutout.
2. Position and hold ET trim on the door.
4 Mount Exit Device Chassis

1. Position exit chassis carefully, verifying that the ET spindle engages the lower hub of the exit chassis.
   DO NOT PINCH THE WIRE HARNESS.

2. Secure the exit chassis with through bolts to the ET trim using (2) 1/4 -20 x 2-3/8" flat head machine screws.

3. For wood door applications, attach ground harness using the top through-bolt screw.

5 Install Cylinder

For devices without cylinder, go to Step 6.

1. While installing the rim cylinder, support the tail piece of the cylinder, verifying its engagement with the top hub of the exit chassis
   Note: Be sure ET harness is clear of cylinder and tailpiece.

2. Secure the cylinder by through-bolting the cylinder through the exit chassis using (2) #12-24 x 1-7/8" connecting screws (see Fig. 5A).

3. Verify that the key retracts latchbolt.

---

Fig. 4A

Fig. 4B

Fig. 5A

Fig. 5B
6 Secure Exit Chassis

To comply with UL certifications and for security: Fasten exit chassis to door using (4) #10 wood screws (for wood door) or (4) #10-24 machine screws (for metal door).

7 Connect Door Position Switch (DPS)

Connect DPS to harness (Fig. 7A and 7B).
8 Install Chassis Cover

Secure chassis cover to chassis using (4) #8-32 x 5/16" oval head machine screws (Fig. 8).

9 Install Wire Cover (Wood Doors Only)

1. Position the wire cover plate above the chassis cover and covering the wire channel. Mark hole positions.
   Note: Make sure stamped side of plate is against door.
2. Drill (2) 3/32" diameter by 1/2" deep holes (Fig. 9A).
3. Cover wires with cover plate by securing plate to door directly above chassis (note orientation) using two (2) #6 x 1/2" flat head security torx wood screws (Fig. 9A, B).
   Note: Position lower edge of cover plate against the cover to ensure that no wires are visible.
10 Install Outside Escutcheon (with Optional Gasket)

Note: Gasket optional, for non-fire rated doors only.
For non-fire rated door applications, an optional gasket (Part number 52-0782) may be used as a weather seal between the escutcheon and the outside door surface.

Peel off adhesive backing and attach to (outside) escutcheon.
1. Position the outside escutcheon, aligning the posts with the door prep (Fig. 10).
2. Feed reader cable through opening.
Note: Cable lengths exaggerated for illustrative purposes.

11 Mounting Plate Assembly

1. On the inside of the door, position the mounting plate over the indicated holes.
2. Feed lockbody, reader and DPS cables through central opening (Fig. 11).
3. Route ground ring terminal from lock body under bottom of mounting plate and attach to bottom left corner using one #8-32 x 1-7/8" flat head machine screw.
4. Insert other three #8-32 x 1-7/8" flat head machine screws and tighten, fastening the outside escutcheon to the door (Fig. 11).

IMPORTANT: If the following step is skipped, the product will not be UL-compliant:
5. 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. 11).
12 Installation of Connectors

CAUTION - Do not touch or allow debris to enter connector contacts.

Secure the following connectors to their respective terminals (Fig. 12A, B):
A. Secure the 10-pin lock body assembly connector.

*NOTE: Optional 2-pin external 12-24VDC power connector.

Wire Positioning:
Please follow these steps prior to installing inside escutcheon to prevent any damage caused by pinching wires:

B. Tuck excess cable into wire hole on inside of door.
C. Finish securing mounting plate and reader to door by fully tightening through-bolts on inside of door.
   Note: Ensure groundring is positioned upright.
D. Secure the 24-pin card reader connector.
13 Installing the Controller

1. Insert top tabs of controller into slots on mounting plate (Fig. 13).
2. Ensure proper alignment of board-to-board connectors while pivoting bottom of controller toward door until tab on bottom snaps securely into place on mounting plate.

CAUTION: To avoid possible damage to board-to-board connectors, care should be taken when securing controller to mounting plate. If there is resistance when securing, detach controller to determine cause before re-attaching controller.
14 Install Battery Pack

Before installing batteries for the first time:
Remove pull tab from its position beneath the coin cell by pulling on tab in direction of arrows printed on tab (Fig. 14).

a. Place (6) “AA” alkaline batteries in the compartment, being careful to align polarity properly.
b. After batteries are installed, there is a slight delay; then the LED will flash amber and the lock motor will cycle.

For battery replacement:
When replacing the (6) “AA” alkaline batteries in the compartment, please note batteries must be replaced within five (5) minutes to prevent the internal clock from becoming inaccurate.

1. Position inside escutcheon as shown (Fig. 15).
Verify that all wires are positioned within the escutcheon to avoid pinching.

2. Attach escutcheon with (2) #8-32 x 1/2” T-20 Torx pan head screws.

3. Straighten escutcheon and tighten securely.
DO NOT OVERTIGHTEN.
16 Installation of Rail Assembly

1. Retrieve harness from end of rail.
   Note: Length of harness requires caution when handling to avoid damage. Harness should not be stretched or overextended.
2. Attach harness to female connector on chassis.
3. Install rail and screws per exit device instructions.

Note: This view shows rim exit device version.
Installation Instructions for Mortise Type 8977/8978 Exit Device

1 Door Preparation

A. Verify Hand and Bevel of Door

- Check hand of door.
  This exit device is handed and is not reversible.
- Door should be fitted and hung.

B. Door Preparation

1. If using a mullion, install it prior to installing hardware.
2. Doors should be pre-prepped (recommended).
3. Use appropriate templates:
   - Passport Exits 8900 Mortise P2 W/DPS A8076
   - Passport Exits 8900 Mortise P2 W/O DPS A8077
   - Manufacturer’s template 4657 with DPS
   - Manufacturer’s template 4693 without DPS
   - Exit installation instructions A6705.

Note: Instruction examples show wood door installation.
For metal doors, route cables inside door.

---

Fig. 1A

Outside of Door

Inside of Door

Through Bolt Hole

Door Position Switch

Wire Cutout

Cylinder Hole

Lever Hole

ET Through Bolt Hole

Mortise Pocket

ET Through Bolt Hole

Wire Run Channel (Wood Door)

---

Fig. 1B
2 Install Door Position Switch (DPS)

Wood doors have 3/8" raceway to controller cutout and metal doors have 3/4" raceway to the controller cutout.

Refer to template A7951.

1. Insert connector end of DPS through the raceway on the latch edge of the door (Fig. 2A).
   Note: For metal doors, use DPS Collar.

2. Push DPS firmly into place by hand.

**IMPORTANT:** DO NOT TAP SWITCH WITH ANY TOOL.

---

3 Position Exit Trim (ET)

1. Slide mortise lock into door and loosely secure with (2) flat head screws.
   Note: For exterior applications, use ET gasket (52-0263) to seal between ET trim and the door surface.

2. For wood doors: Route ET wire harness through the wire cutout, out the other side and through the Wire Run Channel (on the inside) to the Controller Cutout. 
   For metal doors: Route ET wire harness through the wire cutout and door and out the controller cutout.

3. Position the ET trim so the ET spindle engages the mortise lock hub and hold in place.

---

**Table: Vertical Dimension of Strike**

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<thead>
<tr>
<th>Dim 1</th>
<th>Wood Frame</th>
<th>Metal Frame</th>
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</thead>
<tbody>
<tr>
<td>Horizontal</td>
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<td>3/4&quot; Ø</td>
</tr>
<tr>
<td>Vertical</td>
<td>(From template)</td>
<td></td>
</tr>
</tbody>
</table>

---

**Figures:**

- **Fig. 2A**
- **Fig. 2B**
- **Fig. 3A**
4 Mount Exit Device Chassis

1. Position exit chassis carefully, verifying the chassis lift lever engages the mortise lock (Fig. 4B). DO NOT PINCH THE WIRE HARNESS.

2. Secure the exit chassis by through bolting to the ET trim with (2) 1/4 -20 x 2-3/8” flat head machine screws.

3. For wood door applications, attach Ground Harness as shown in Fig. 4A, using the top through-bolt screw.

5 Secure Exit Chassis

Fasten exit chassis to door using (4) #10 wood screws for wood door or (4) #10-24 machine screws for metal door (Fig. 5).
6 Install Cylinder (If Required)

For devices without cylinder, go to Step 7.

1. Slide cylinder through ET Trim and thread into the lockbody, rotating the cylinder clockwise. Cylinder should rest flush on ET Case. Note: SARGENT logo must be horizontal and on the top of the cylinder (Fig. 6B).

2. Secure the cylinder by tightening cylinder clamp screw located above the guardbolt.

3. Verify that the key retracts the latchbolt.

7 Install Chassis Cover

Secure chassis cover to chassis using (4) #8-32 x 5/16" oval head machine screws.
8 Install Wire Cover (Wood Doors Only)

1. Position the wire cover plate above the chassis cover and covering the wire channel. Mark hole positions. Note: Make sure stamped side of plate is against door.

2. Drill (2) 3/32" diameter by 1/2" deep holes (Fig. 8A).

3. Cover wires with cover plate by securing plate to door directly above chassis (note orientation) using two (2) #6 x 1/2” flat head security torx wood screws (Fig. 8B). Note: Position lower edge of cover plate against the cover to ensure that no wires are visible.

9 Install Outside Escutcheon (with Optional Gasket)

Note: Gasket optional, for non-fire rated doors only.

For non-fire rated door applications, an optional gasket (Part number 52-0782) may be used as a weather seal between the escutcheon and the outside door surface.

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

1. Position the outside escutcheon, aligning the posts with the door prep (Fig. 9).

2. Feed reader cable through opening.

Note: Cable lengths exaggerated for illustrative purposes.
1. Insert the mounting posts through holes as shown.
2. On the inside of the door, position the mounting plate over the indicated holes (Fig. 10A).
3. Feed controller and keypad wires/cables through side opening (Fig. 10B).
   Ground wire routes through bottom of mounting plate.
4. Route ground ring terminal from lock body through bottom of mounting plate and attach to bottom right corner using one #8-32 x 1-7/8” flat head machine screw.
   Make sure it is positioned upright (Fig. 10B).
5. Insert other three #8-32 x 1-7/8” flat head machine screws and tighten, fastening the outside escutcheon to the door (Fig. 10B).
   **IMPORTANT:** If the following step is skipped, the product will not be UL-compliant:
6. 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. 10C).
11 Installing the Controller

1. Insert top tabs of controller into slots on mounting plate (Fig. 11).

2. Ensure proper alignment of board-to-board connectors while pivoting bottom of controller toward door until tab on bottom snaps securely into place on mounting plate.

**CAUTION:** To avoid possible damage to board-to-board connectors, care should be taken when securing controller to mounting plate. If there is resistance when securing, detach controller to determine cause before re-attaching controller.
12 Install Batteries

**Before installing batteries for the first time:**
Remove pull tab from its position beneath the coin cell by pulling on tab in direction of arrows printed on tab (Fig. 12).

a. Place (6) “AA” alkaline batteries in the compartment, being careful to align polarity properly.

b. After batteries are installed, there is a slight delay; then the LED will flash amber and the lock motor will cycle.

**For battery replacement:**
When replacing the (6) “AA” alkaline batteries in the compartment, please note batteries must be replaced within five (5) minutes to prevent the internal clock from becoming inaccurate.

13 Install Inside Escutcheon

1. Position inside escutcheon as shown (Fig. 13). Verify that all wires are positioned within the escutcheon to avoid pinching.

2. Attach escutcheon with (2) #8-32 x 1/2” T-20 Torx pan head screws.

3. Straighten escutcheon and tighten securely. DO NOT OVERTIGHTEN.
14 Installation of Rail Assembly

1. Retrieve harness from end of rail.  
   Note: Harness has limited travel and can be damaged.
2. Attach harness to female connector on chassis.
3. Install rail and screws per exit device instructions.  
   Note: This view shows rim exit device version.

Fig. 14
Operational Check

IMPORTANT: Be sure to test functions prior to closing door.
In all cases, perform the following checks:

1. Ensure that inside lever retracts latch.
   • For units with cylinders, the following checks apply:
     Insert key into cylinder and rotate:
     a. There should be no friction against lock case or any other obstructions. If friction or binding occurs, readjust cylinder to eliminate issues.
     b. The key should retract the latch and the key should rotate freely.
   • For units without a keypad, add card using LCT software* and test.
   • For units with a keypad, add pin and card using LCT software* and test.

2. LED signaling:
   • After using a valid credential, a green flash followed by three fast amber flashes indicates a low power condition.
     Check the battery voltage.
     If the voltage is low, replace the batteries.
   • If the lock loses power, it will flash rapid blue for approximately one minute. Lock will default to programmed fail safe or fail secure.
     After that, the lock will no longer be functional.

3. When you have completed the tests, close the door, ensuring latchbolt and deadbolt fully extend into strike plate without binding.

*Refer to Network and Lock Configuration Tool user manual (WFMN1) for information on how to configure and program locks.