

# Installation Instructions

## SE LP10 CL33600 Cylindrical Locks

FM384 06/20

**Corbin  
Russwin**

**ASSA ABLOY**

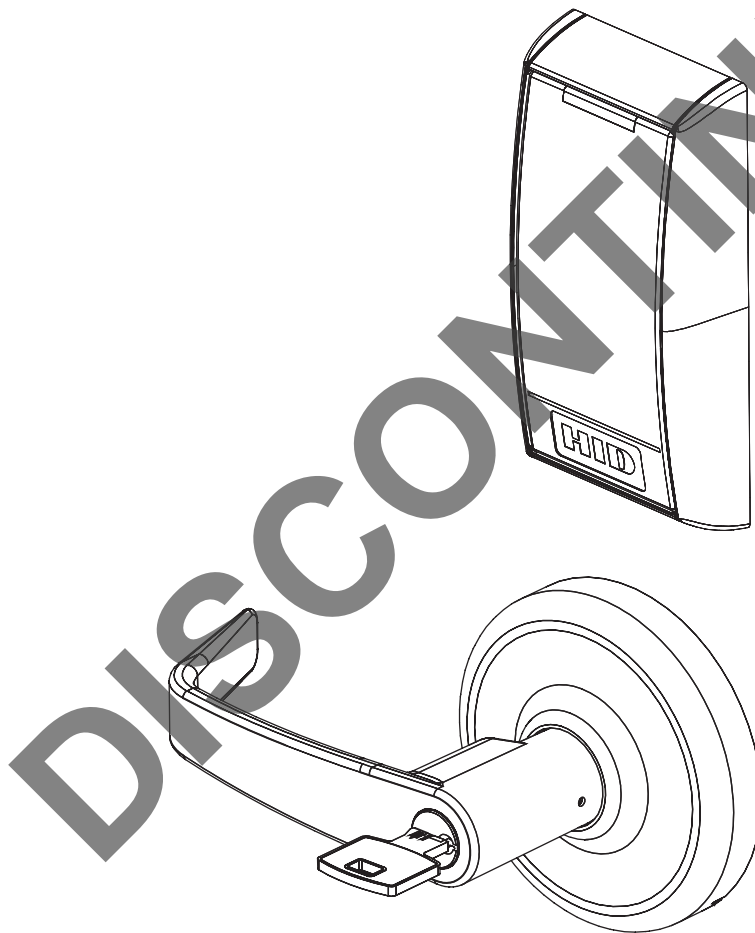
### Attention Installer

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) Regulatory Compliance

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.

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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet équipement est conforme aux limites d'exposition aux radiations de la FCC définies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et votre corps. Cet émetteur ne doit pas être co-localisé ou fonctionner en conjonction avec une autre antenne ou un autre émetteur.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

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.

## 2) Warning



This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to: [www.P65warnings.ca.gov](http://www.P65warnings.ca.gov).

Ce produit peut vous exposer au plomb qui, dans l'état de la Californie, est reconnu pour causer le cancer, des anomalies congénitales ou d'autres problèmes de reproduction.

Pour plus d'informations, visitez: [www.P65warnings.ca.gov](http://www.P65warnings.ca.gov).



Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin 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

### 3) General Description

The Corbin Russwin SE LP10 brings flexibility to our Integrated Wired access control solutions. Featuring multiCLASS SE® Technology from HID Global®, the SE LP10 is ideal for mixed credential environments and enables easy migration to higher security credentials and mobile access. Backed by Corbin Russwin's Grade 1 hardware, the SE LP10 cylindrical lock features Request to Exit (RX) monitoring inside the lock body and is available in 12 or 24 VDC. The SE LP10 reader provides visual (LED) and audible indicators of lock state (locked/unlocked).

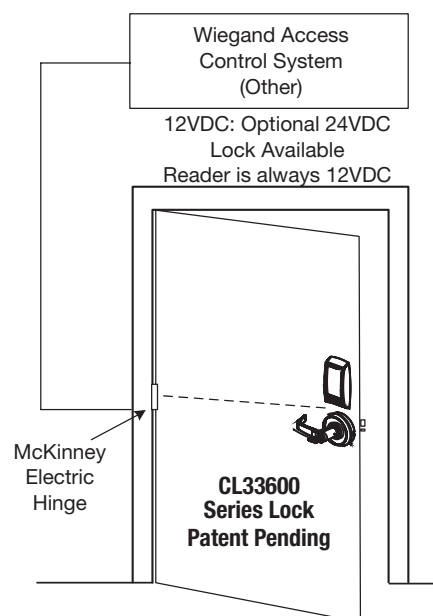
### 4) Specifications / Features

- 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 reader or key retracts latch
- Inside Lever produces REX (request to exit) signal
- Fail safe or Fail secure operation (must be specified)
- UL fire listed
- Wires directly to EAC Panels
- Wire from EAC Panel to door must be shielded with a drain. Drain terminated at EAC Panel controller.
- Complete monitoring of door (External DPS supplied)
- Supports multiple credential formats:
  - **2.4 GHz credential compatibility**
    - Secure Identity Object™ (SIO) on Mobile IDs (Bluetooth Smart)
  - **13.56 MHz credential compatibility:**
    - Secure Identity Object™ (SIO) on iCLASS Seos, iCLASS SE/SR, MIFARE DESFire EV1/EV2 and MIFARE Classic (on by default)
    - Standard iCLASS Access Control Application, ISO14443A (MIFARE) CSN, ISO14443B CSN, and ISO15693 CSN
    - ISO14443A/B (PIV-compatible Transparent FASC-N read) available with SE LP10-F (\*\*not available with Alternate Indicator Configuration\*\*)
    - NFC-enabled mobile phones
  - **125 kHz credential compatibility:**
    - HID Prox®, AWID, EM4102

**For Mobile Credential-Enabled versions of this electronic lock**

(Indicated by “BIPS” in the product order string):

- Mobile Credentials are transmitted to the lock via Bluetooth Smart or NFC ISO/IEC14443 and must use a mobile device enabled with these technologies.
- Credential and mobile device versions are specified by the credential provider.
- User must acquire the latest HID “Mobile Access” application available from Apple iStore or Android PlayStore.



## 4) Specifications / Features (Continued)

- UL Listed\* - UL 294 Indoor Use
- CUL Listed - S319: Class 1
- ANSI/BHMA A156.25 Listed Grade 1 Compliant

\*UL294, S319, & BHMA A156.25 not applicable to Alternate Indicator option

• **UL 294 Access Control Ratings:**

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

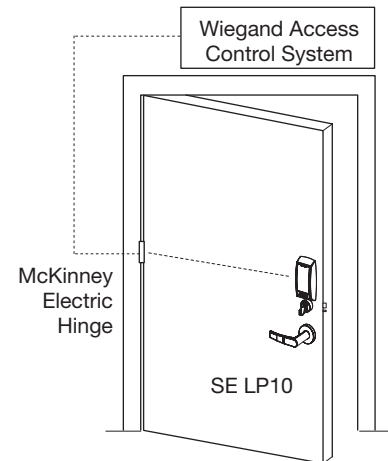
UL testing was conducted on product powered by UL Listed model 9001GR/AC injector; manufactured by Microsemi Corp.

### Electrical Specifications

#### 12/24VDC System

	12V		24V	
	Average	Peak	Average	Peak
<b>Reader</b>	100mA	220mA	n/a	n/a
<b>Actuator</b>	15mA	500mA	15mA	500mA

The reader requires 12VDC for power, while the lock accepts either 12 or 24VDC.



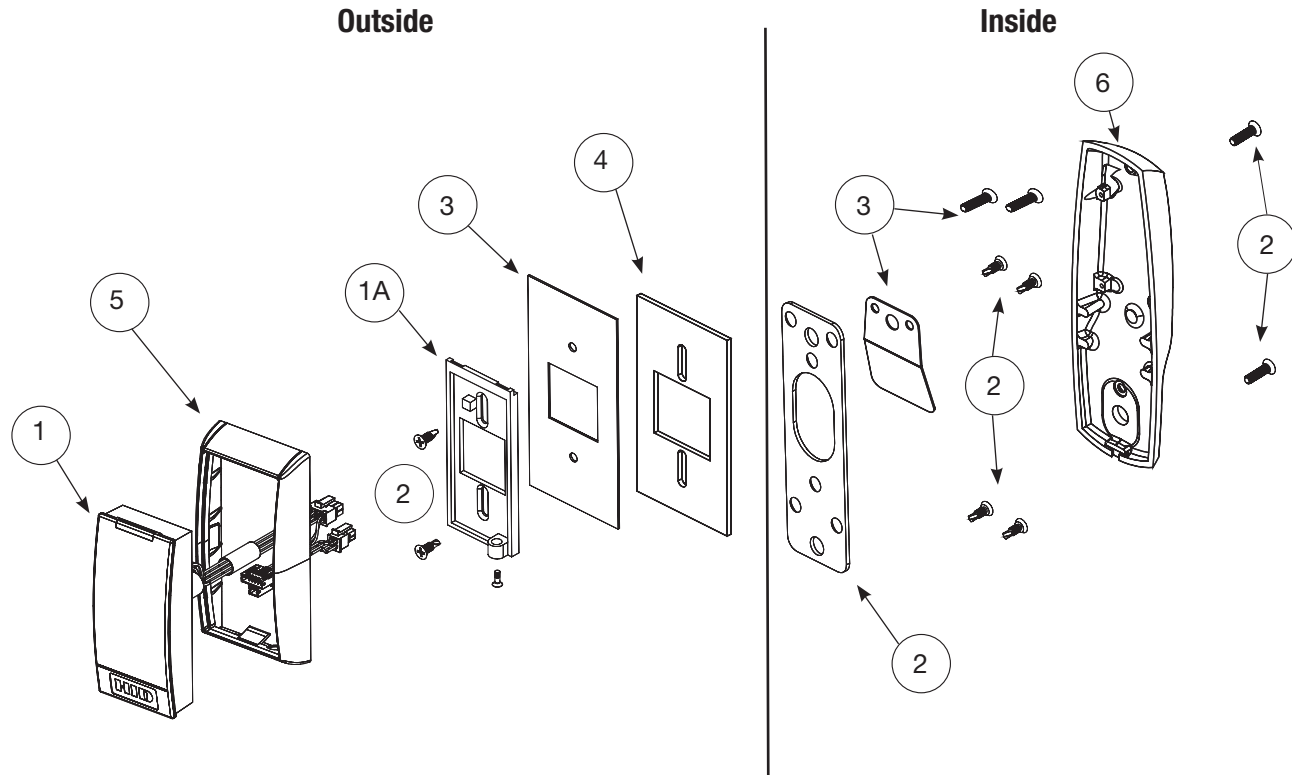
Total One-Way Length of Wire Run (ft)	Wire Gauge Chart 12VDC							
	Load Current @ 12VDC							
	1/4A	1/2A	3/4A	1A	1-1/4A	1-1/2A	2A	3A
100	20	18	16	14	14	12	12	10
150	18	16	14	12	12	12	10	—
200	16	14	12	12	10	10	—	—
250	16	14	12	10	10	10	—	—
300	16	12	12	10	10	—	—	—
400	14	12	10	—	—	—	—	—
500	14	10	10	—	—	—	—	—
750	12	10	—	—	—	—	—	—
1,000	10	—	—	—	—	—	—	—
1,500	10	—	—	—	—	—	—	—

Total One-Way Length of Wire Run (ft)	Wire Gauge Chart 24VDC							
	Load Current @ 24VDC							
	1/4A	1/2A	3/4A	1A	1-1/4A	1-1/2A	2A	3A
100	24	20	18	18	16	16	14	12
150	22	18	16	16	14	14	12	10
200	20	18	16	14	14	12	12	10
250	18	16	14	14	12	12	12	10
300	18	16	14	12	12	12	10	—
400	18	14	12	12	10	10	—	—
500	16	14	12	10	10	—	—	—
750	14	12	10	10	—	—	—	—
1,000	14	10	10	—	—	—	—	—
1,500	12	10	—	—	—	—	—	—

Wiring methods shall be in accordance with the National Electrical Code (ANSI/NFPA70), CSA 22.1, Canadian Electrical Code (CEC), Part I, Safety Standard for Electrical Installations, local codes and the authorities having jurisdiction.

This product is not intended for outside wiring as covered by Article 800 in the National Electrical Code, NFPA 70.

**5) Product Illustrations**

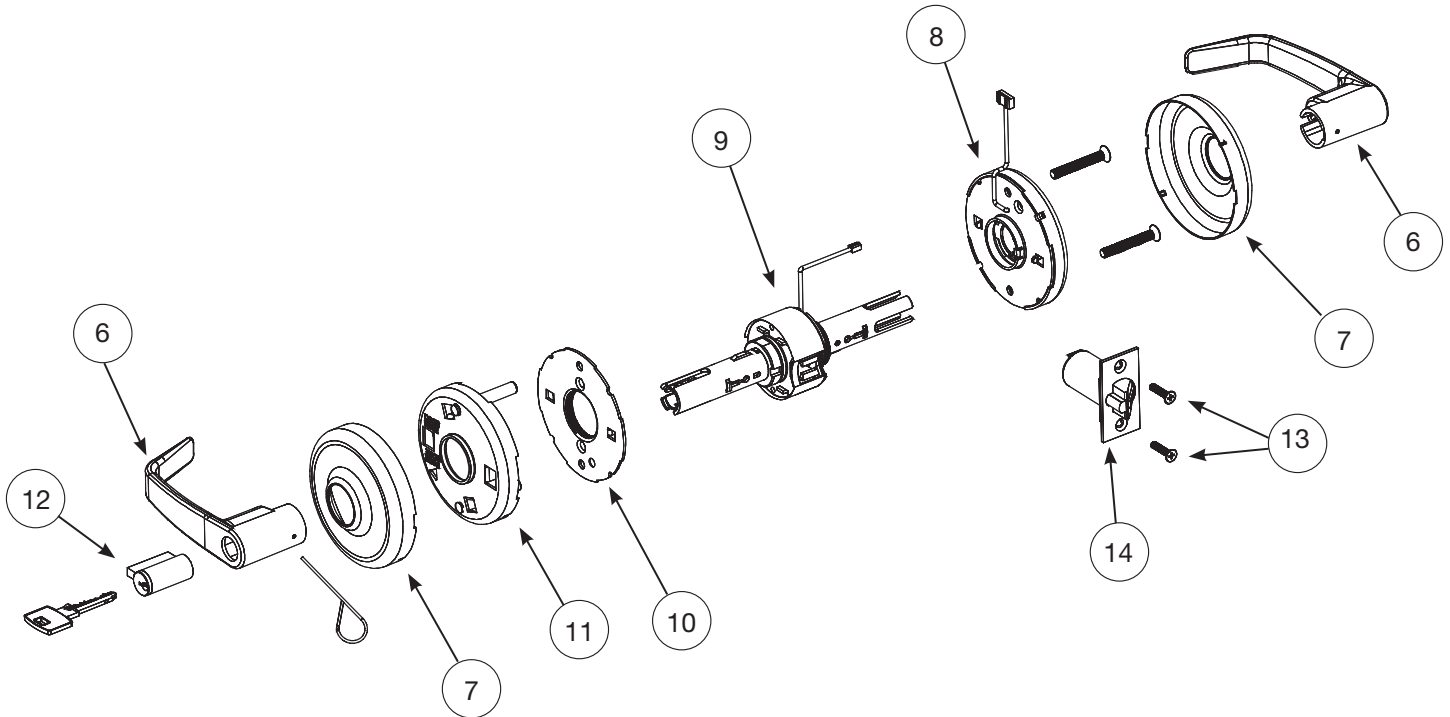


ITEM	PART #	DESCRIPTION	
1	763F809	BIPS-B03 Reader and Harness Assembly - Bluetooth (Standard Indicator Configuration)	1
	763F649	FIPS-B03 Reader & Harness Assembly - 200 bit Wiegand output	
	763F669	FIPS-B04 Reader & Harness Assembly - 75 bit Wiegand output	
	763F629	IPS-B03 Reader & Harness Assembly (Standard Indicator Configuration)	
	784F869	IPS-B0E Reader & Harness Assembly - (Alternate Indicator Configuration)	
	784F879	BIPS-B0E Reader & Harness Assembly - Bluetooth (Alternate Indicator Configuration)	
1A	--	SE Reader Mounting Plate	1
2	763F872 FIN	Mounting Packet	1
3	763F719	Fire Plate Packet	1
4	764F319	Gasket (for non fire-rated doors)	1
5	852F269	Trim Bezel- Black	1
6	743F282 FIN	Inside Escutcheon	1

**Tools Required:**

- #2 Phillips Screw Driver (Standard size)
- Flat Blade Screw Driver (Standard size)
- 1/8" Allen Wrench
- TR10 Torx Security Screw Driver

## 5) Product Illustrations (Continued)



PART #	DESCRIPTION	
6	-- Refer to SE LP10 Catalog for Available Lever Styles	
7	-- Refer to SE LP10 Catalog for Available Rose Styles	
8	783F308 Inside Cassette Housing Assembly for 1-3/4" - 2" Doors	1
	783F408 Inside Cassette Housing Assembly for Doors more than 2"	1
9	<b>STANDARD CYLINDER LOCKBODIES</b>	
	785F528 xx-24V Fail Safe Lock body Assembly	1
	785F538 xx-24V Fail Secure Lock body Assembly	1
	785F548 xx-12V Fail Safe Lock body Assembly	1
	785F558 xx-12V Fail Secure Lock body Assembly	1
	<b>INTERCHANGEABLE CORE CYLINDER LOCKBODIES</b>	
	785F568 xx-24V Fail Safe Lock body Assembly	1
	785F578 xx-24V Fail Secure Lock body Assembly	1
	785F588 xx-12V Fail Safe Lock body Assembly	1
	785F598 xx-12V Fail Secure Lock body Assembly	1
10	678F248 Outside Rose Liner for 1-3/4" - 2" Doors	1
	678F498 Outside Rose Liner for Doors more than 2"	1
11	783F208 Outside Housing Assembly	1

PART #	DESCRIPTION	
12	682K90MSECFIN Cylinder Assembly	1
13	604F228 Screw Pack	1
14	721F20M FIN Latch Assembly - Deadbolt	1
15	FM381 Field Prep Template (not shown)	1
16	T31214 Metal/Wood Door Manufacturer Template (not shown)	1
17	FM388 Outside Field Prep Template (not shown)	1
18	FM384 Installation Instructions (this manual)	1

**6) Wiring Diagrams**

Product	8 PIN CONNECTOR								4 PIN CONNECTOR			
	1-Black	2-Red	3-White	4-Green	5-Orange	6-Blue	7-Brown	8-Yellow	1-Violet	2-Gray	3-Pink	4-Tan
ACCESS CONTROL DEVICES: SE LP10 Mortise, ElectroLynx wire Color / Function assignments												
SE LP10 Cylindrical	12VDC (Reader)		WIEGAND	WIEGAND	RX	RX	EGND	TAMPER	12/24 VDC (LOCK RELAY)		DPS	DPS
	NEG	POS	DATA_1	DATA_0	NO	COM	EGND	GREEN_LED*	OPEN COLLECTOR	NEG	POS	NC
								INPUT				

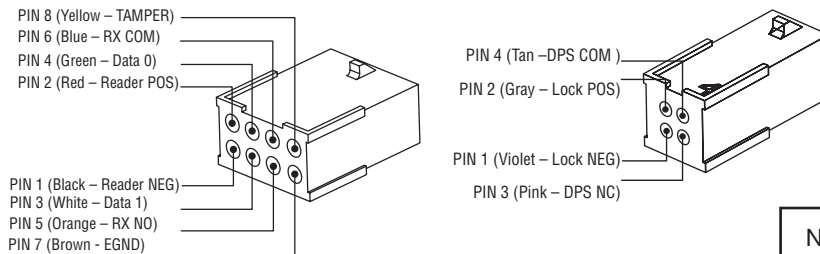
\*Diagrams on following pages

**Default Operation Mode:**

- Red LED 'ON' when powered.
- Presenting a 13.56MHz or 125 kHz credential causes LED to briefly turn green and then return to red state.
- Presenting a FIPS 201 PIV credential causes LED to turn amber as credential is authenticated. Reader emits a short beep when credential is successfully read. Reference Diagram #1.

**Optional TAMPER Operation Mode:**

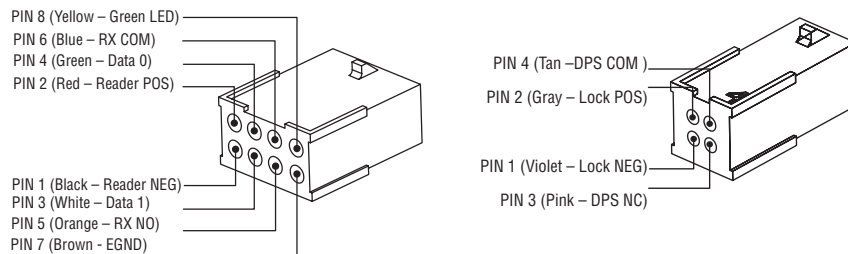
- Connect Yellow TAMPER wire from ElectroLynx cable to desired EAC panel control line. Reference Diagram #1.
- As appropriate, use the configuration card to activate desired mode on reader.



Note: NC= Normally Closed  
NO= Normally Open

**Optional Alternate Indicator Mode:**

- Connect GREEN\_LED input to switch controlled by panel. Shorting GREEN\_LED to READER\_NEG (Black) with panel switch will override reader LED to keep it green.





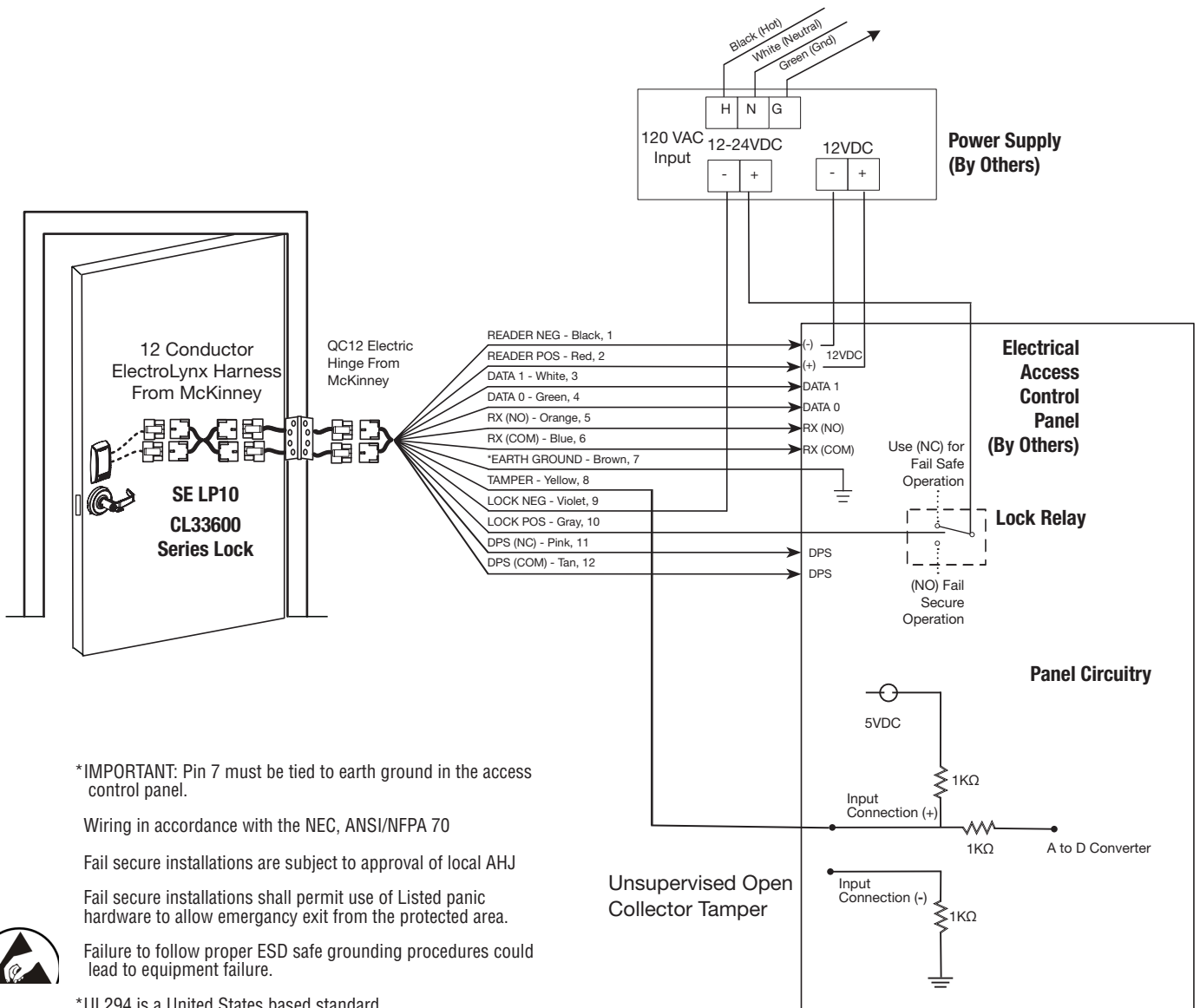
## 6) Wiring Diagrams (Continued)

### Typical (UL294-Compliant) SE LP10 Cylindrical Application Diagram #1

Tamper will trigger when reader is removed from door and tamper wiring is connected at the panel.

#### 12/24VDC System

	12V		24V	
	Average	Peak	Average	Peak
Reader	100mA	220mA	n/a	n/a
Actuator	15mA	500mA	15mA	500mA



**\*IMPORTANT:** Pin 7 must be tied to earth ground in the access control panel.

Wiring in accordance with the NEC, ANSI/NFPA 70

Fail secure installations are subject to approval of local AHJ

Fail secure installations shall permit use of Listed panic hardware to allow emergency exit from the protected area.

Failure to follow proper ESD safe grounding procedures could lead to equipment failure.

\*UL294 is a United States based standard.



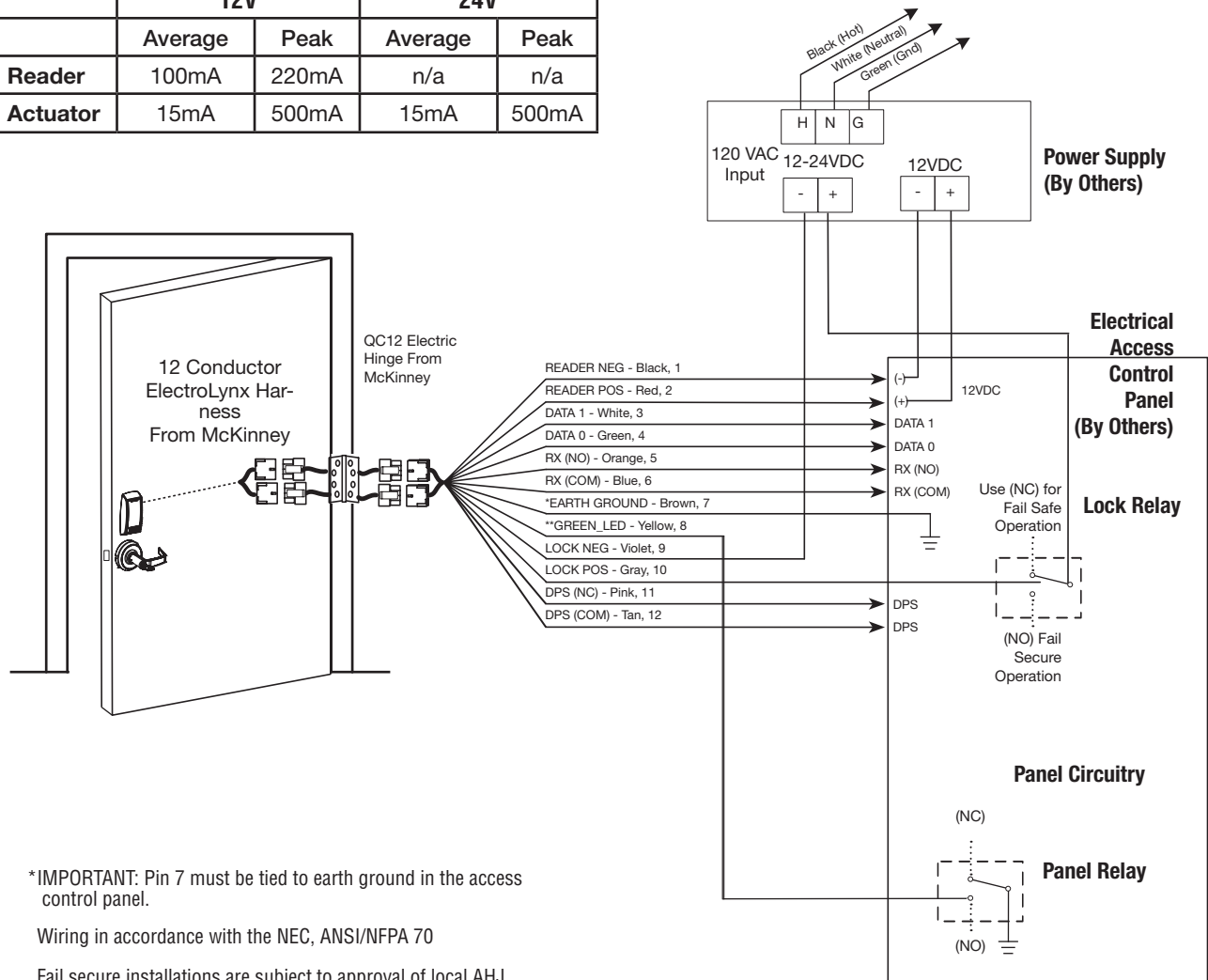
**6) Wiring Diagrams (Continued)**

**Alternate Indicator Application Diagram #2 (12/24VDC System)**

Connect GREEN\_LED input to switch controlled by panel. Shorting GREEN\_LED to READER\_NEG (Black) with panel switch will override reader LED to keep it green.

**Reader Electronics Requires 12VDC Filtered and Regulated**

	12V		24V	
	Average	Peak	Average	Peak
<b>Reader</b>	100mA	220mA	n/a	n/a
<b>Actuator</b>	15mA	500mA	15mA	500mA



\*IMPORTANT: Pin 7 must be tied to earth ground in the access control panel.

Wiring in accordance with the NEC, ANSI/NFPA 70

Fail secure installations are subject to approval of local AHJ

Fail secure installations shall permit use of Listed panic hardware to allow emergency exit from the protected area.

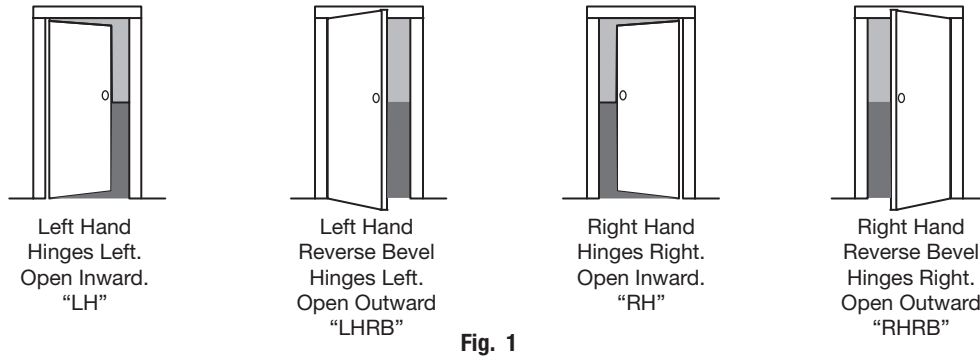


Failure to follow proper ESD safe grounding procedures could lead to equipment failure.

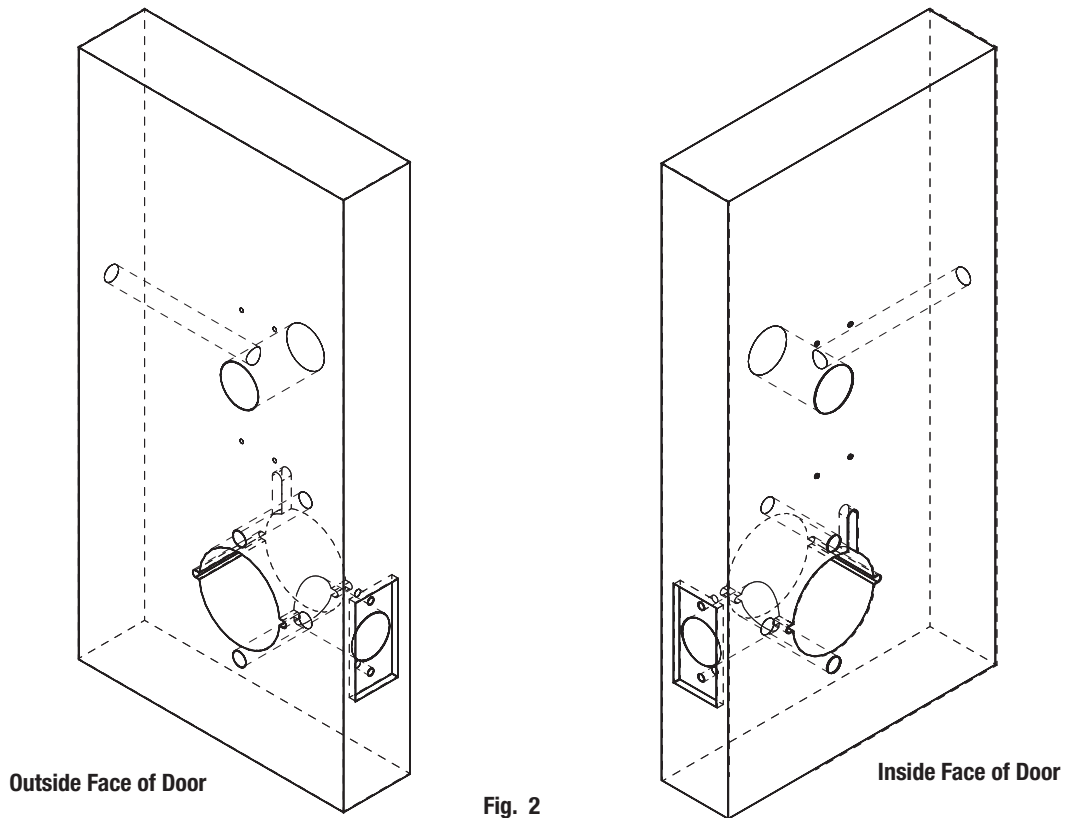
\*\*UL294, S319, & BHMA A156.25 not applicable to Alternate Indicator option

**7) Installation Instructions**

- Verify Hand and Bevel of door.** Illustrations shown are as viewed from the outside or secure side of opening.



- Prep door according to supplied door marker (FM381).** For door manufacture templates visit [www.corbinrusswin.com](http://www.corbinrusswin.com) and reference template # T31214.

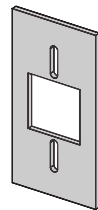


**7) Installation Instructions (Continued)**

**3. Install Reader Backplate and (Optional\*) Fire Shield or Gasket:**

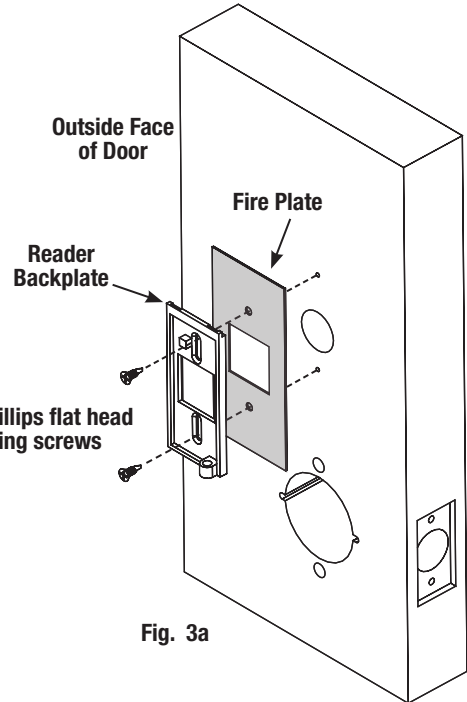
1. For fire-rated doors only, install reader backplate and fire shield to door using two (2) #8-18 x 5/8" Phillips flat head self-drilling screws (Fig. 3a).
2. For exterior doors, install reader backplate and gasket using two (2) #8-18 x 5/8" Phillips flat head self-drilling screws (Fig. 3b).
3. For non-fire rated interior doors, no fire shield or gasket is required; simply install backplate using two (2) #8-18 x 5/8" Phillips flat head self-drilling screws.

**Gasket  
(for exterior doors)**



**Fig. 3b**

**(2) #8 x 5/8" Phillips flat head  
self-drilling screws**



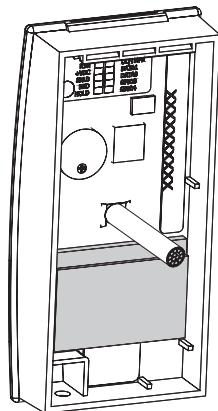
**Fig. 3a**

**4. Install SE LP10 Reader and Trim Bezel:**



Observe precautions for handling electrostatic sensitive devices.

If the SE LP10 reader is installed with a module (Fig. 4), make sure that the reader is powered down when inserting/removing the module; i.e., do not "hot-plug" (remove/insert while reader is powered) module as it may damage the reader.

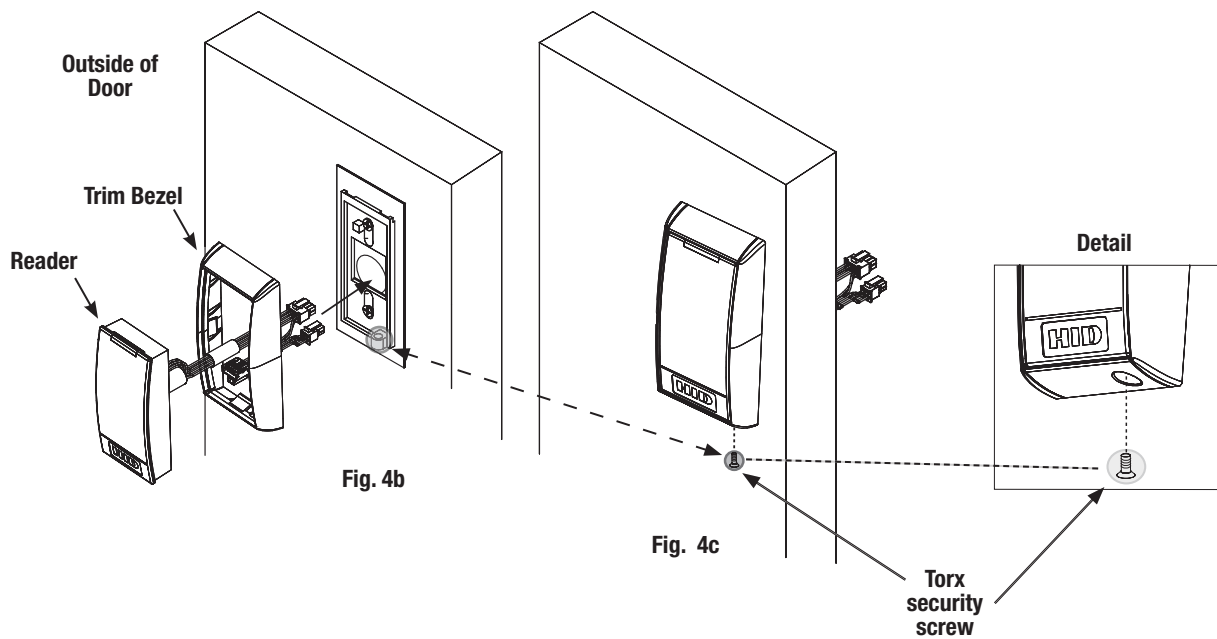


**Fig. 4a**

## 7) Installation Instructions (Continued)

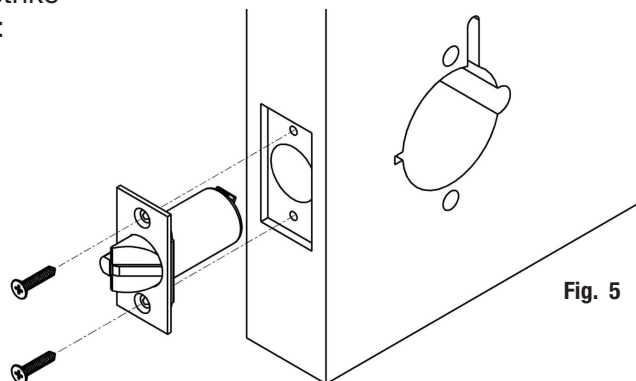
### 4. Install SE LP10 Reader and Trim Bezel (Continued):

1. Fit trim bezel around the reader. Ensure access hole in the bezel aligns with screw hole on reader. The reader should be mounted so holes face bottom of door (Fig 4b).
2. Align top of reader with top of backplate. Pivot the reader down until seated. Guide wires as needed to avoid pinching.
3. Secure the reader with (1) #6-32 x 3/8" Phillips or anti-tamper security torx screw to the mounting plate (Fig 4c).

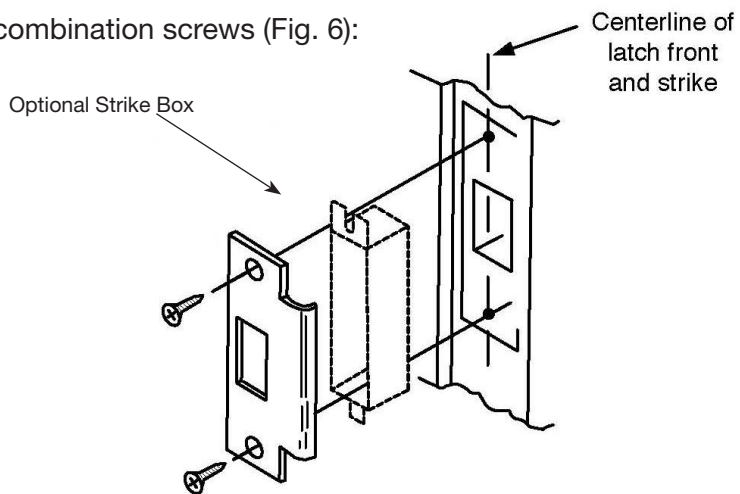


**7) Installation Instructions (Continued)**

5. **Install Latch Bolt** with beveled bolt facing the strike using two #8 x 3/4" combination screws (Fig. 5):



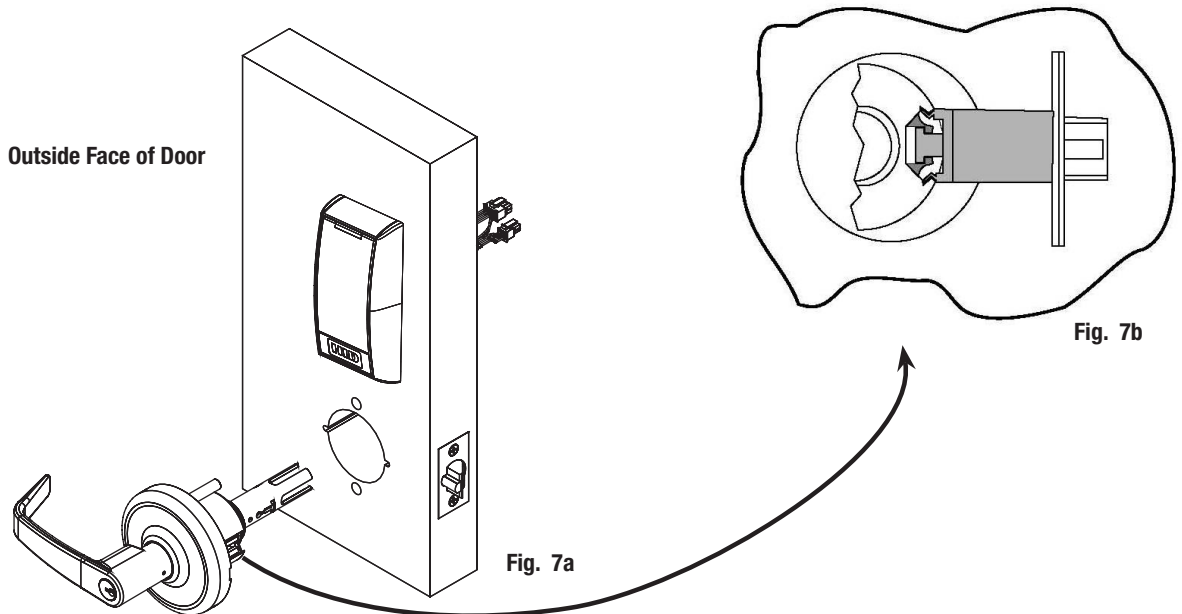
6. **Install Strike Plate** using two #12 x 1" combination screws (Fig. 6):



**7) Installation Instructions (Continued)**

7. **Installing Lock** - Feed lock body and harness through 2-1/8" diameter hole from outside of door (Fig. 7a). Be sure latch engages lock body as shown (Fig. 7b).

**Important:** Door must remain open during installation. Use door stop.



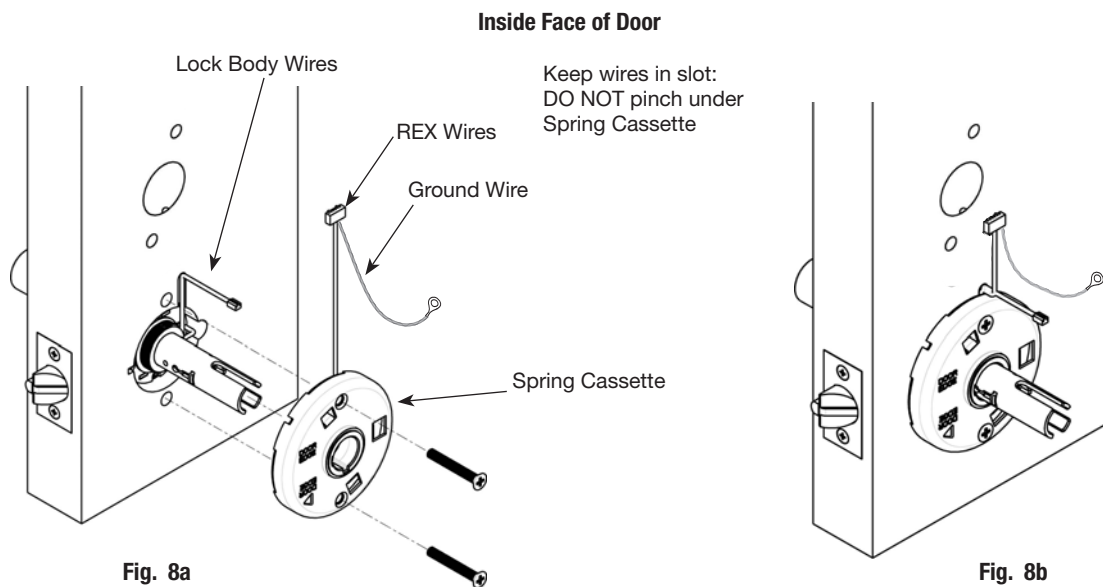
8. **Install Inside Spring Cassette:**

- a. Feed lock body wires and cassette (REX) wires in slot on face of door (Fig. 8a)

Note: Be careful to keep wires in slot cut into door.

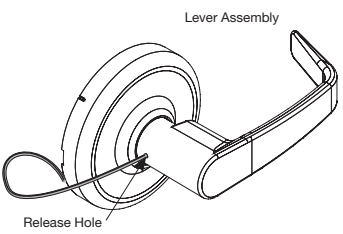
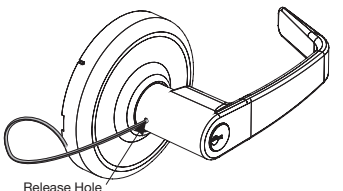

- b. Tighten using two #12-24 screws.

Note: DO NOT PINCH wires when tightening.



**7) Installation Instructions (Continued)**

**9. Installation and Removal of Lever and Standard Cylinder:**

LEVER STYLE	REMOVAL	INSTALL
 <p>Release Hole</p>	<p><b>PUSH RELEASE TOOL</b></p> <p>Push release tool into release hole Remove lever</p>	<p><b>SLIDE LEVER OVER</b></p> <p>Slide lever over lever catch Pull on lever <i>Make sure lever will not pull off</i></p>
 <p>Release Hole</p>	<p><b>ROTATE KEY</b></p> <p>Rotate key 45° clockwise Push release tool into release hole Remove lever</p>  <p>KEY CYLINDER 45°</p>	<p><b>INSERT KEY AND ROTATE</b></p> <p>Insert key and rotate 45° clockwise Push release tool into release hole Remove lever</p>

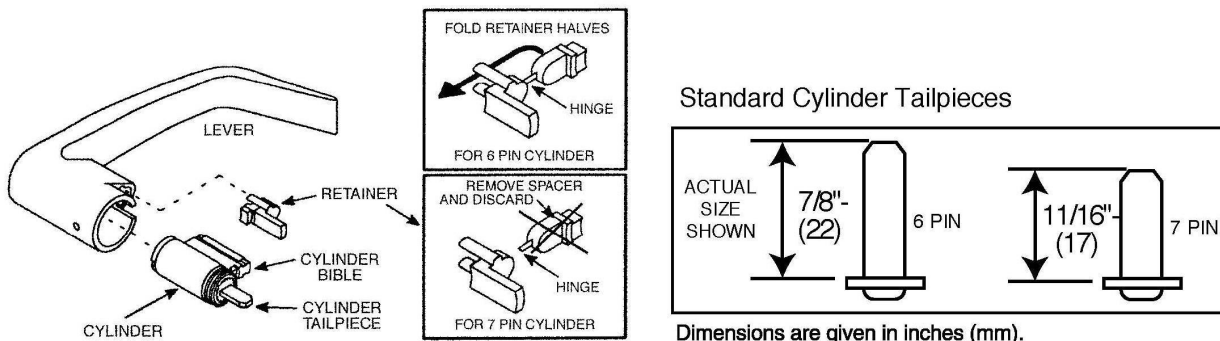
**Fig. 9a**

**Install Standard Cylinder**

Make sure cylinder tailpiece is aligned in same direction as cylinder bible. Slide cylinder all the way into lever.

**For 6 pin cylinder:** Fold retainer at hinge and press fit retainer halves together as shown.

**For 7 pin cylinder:** Break retainer at hinge and discard spacer section. Also remove black cylinder spacer from inside of chassis rollback for clearance.



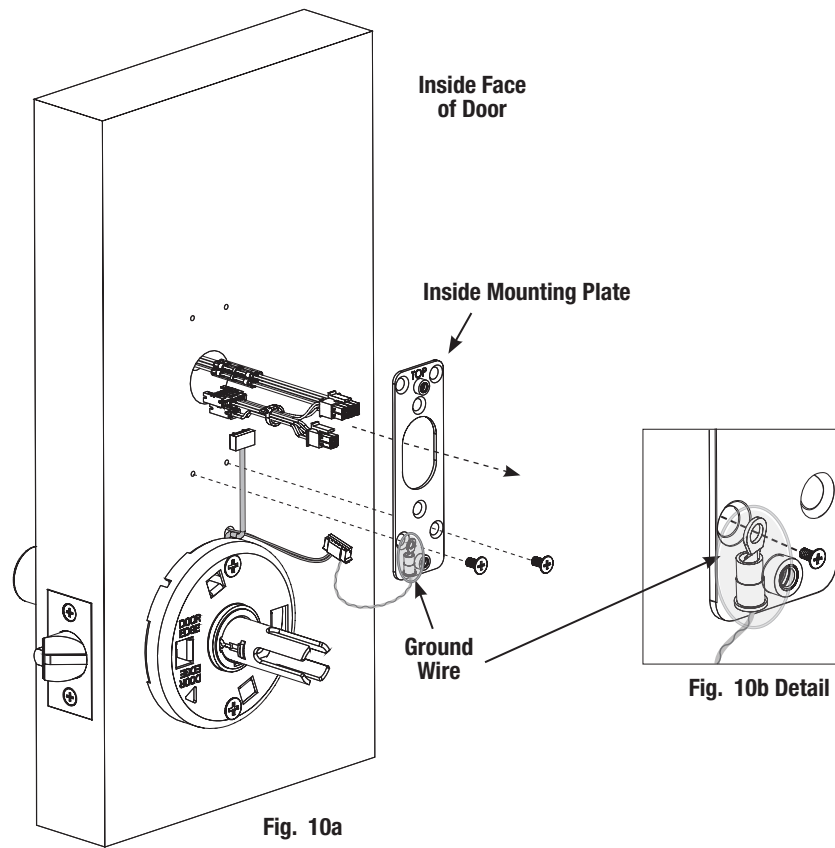
**Fig. 9b**



**7) Installation Instructions (Continued)**

**10. Install Inside Mounting Plate:**

- a. Feed reader harness through largest hole of inside mounting plate (Fig. 10a).
- b. Place ground wire eyelet between lower left mounting plate hole and flat head machine screw when securing mounting plate to door (Fig. 10a, b).
- c. Continue to secure plate by fastening second flat head machine screw to lower right hole on mounting plate (Fig. 10a).



**7) Installation Instructions (Continued)**

**11. Connector Attachments:**

Do not offset connectors and ensure that they are completely seated.

- a. Connect 6-pin connector from lock body to 6-pin connector on reader harness (Fig. 11a, b).
- b. Connect 2-pin connector from lock body to 2-pin connector on reader harness (Fig. 11a, b).

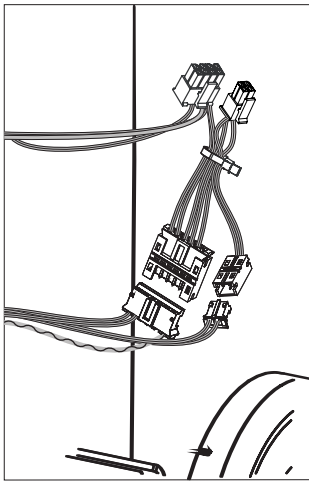


Fig. 11a

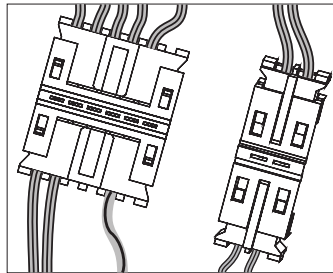


Fig. 11b



Fig. 11c

- c. Carefully tuck connected harnesses into one-inch hole in door (Fig. 11c).
- d. Connect ElectroLynx 4- and 8-pin connectors from the door harness to (black) 4- and 8-pin connectors of the SE LP10 harness (Fig. 11d).

NOTE: Neatly fold excess wires into remaining space to prevent pinching wires when mounting inside escutcheon (Fig. 11c).

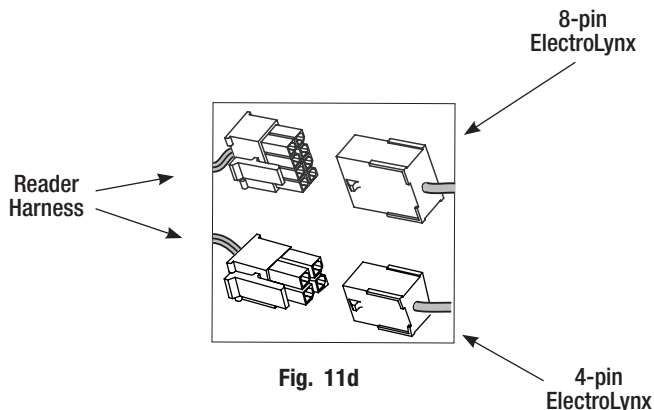


Fig. 11d

**7) Installation Instructions (Continued)**

**12. Install Inside Fire Plate (Optional) and Inside Mounting Plate:**

- a. **NOTE: For fire-rated doors only, install fire plate.**
- b. Secure fire plate and mounting plate to door using the (2) remaining Phillips flat head machine screws provided (Fig 12). Ensure wires are properly routed under flap of fire plate.

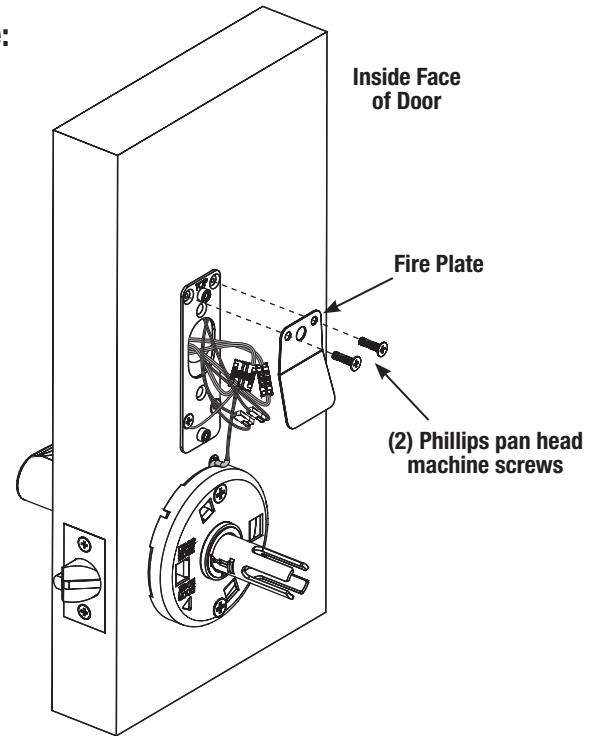


Fig. 12

**13. Install Inside Rose and Lever Handle:**

- a. Attach inside rose to inside rose spring assembly (Fig. 13).
- b. Slide lever handle onto lock body assembly (Fig. 13) and ensure that lever clicks into place.

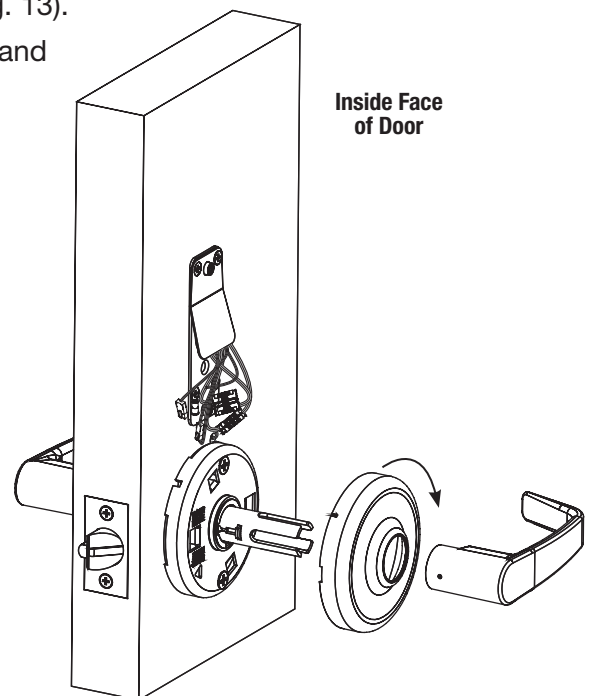


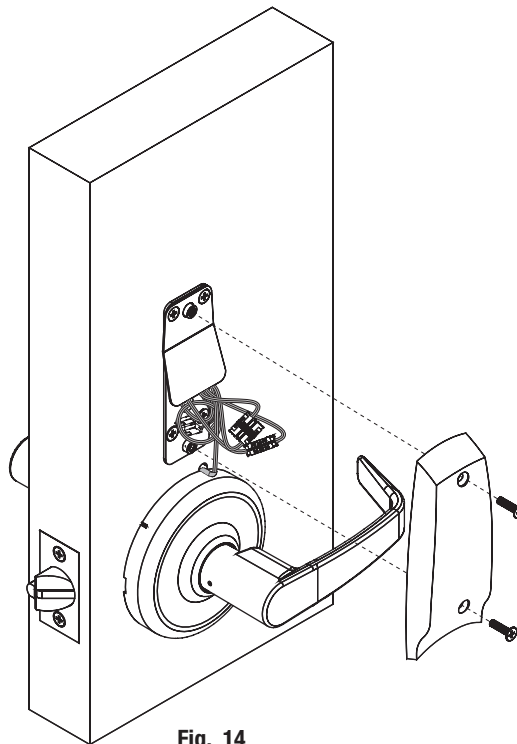
Fig. 13

**7) Installation Instructions (Continued)**

**14. Install Inside Escutcheon Assembly:**

**Note:** Neatly fold wires into the remaining space to prevent pinching wires when mounting escutcheon.

- a. Tighten the inside escutcheon securely to the mounting plate with the Phillips flat head machine screws provided (Fig. 14).  
Use the 8-32 x 5/8" for the top of the escutcheon and the 8-32 x 1/4" screw for the bottom of the escutcheon.

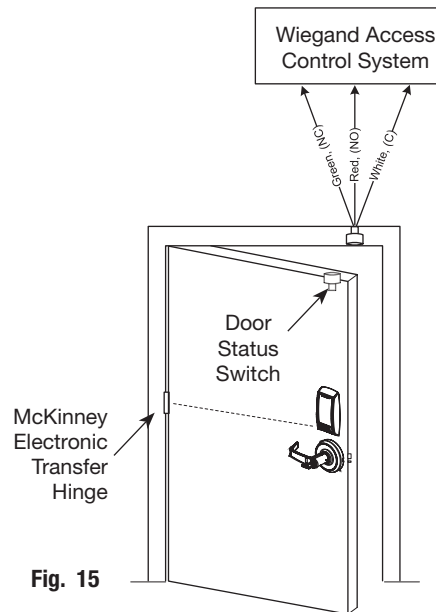


**Fig. 14**

**15. Install Door Position Switch:**

(Part number **708F989** supplied with product)

- a. Drill 1" hole in door for magnet.
- b. Drill 1" hole in frame for switch.
- c. Wire to ElectroLynx® frame harness as shown in wiring diagrams on following pages.



**Fig. 15**

## 8) Operational Check

Before closing door test for cylinder function of lock cylinder and Inside lever:

- a. Insert key into cylinder and rotate.
- b. The key will retract the latch. Key should rotate freely.
- c. Inside lever retracts latch.
- d. Close door, ensure latch fully extends into strike and does not bind.

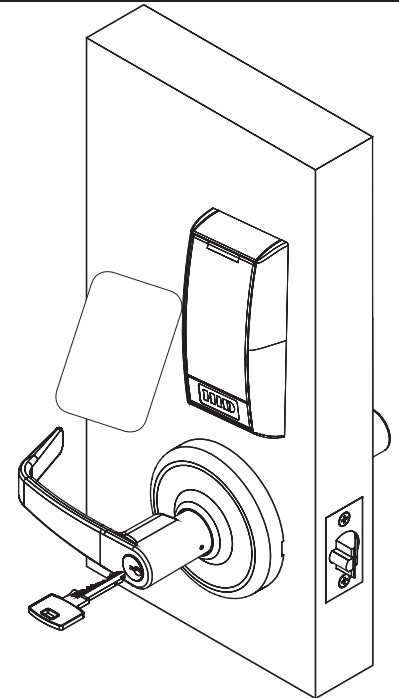
**NOTE: Ensure LED operates as configured\***:

- LED remains green when panel asserts GREEN\_LED signal

\*For configurations with GREEN\_LED override enabled (Alternate Indicator Configuration); see Application Diagram #2 in Section 6.

**Note: Once electrical wiring has been successfully completed according to proper application, perform the following:**

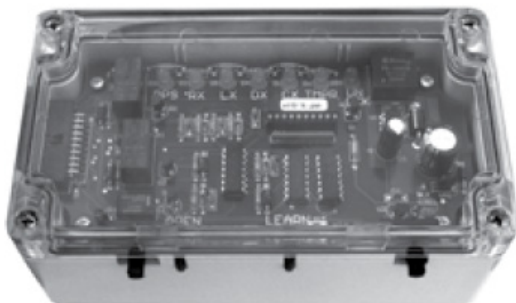
- a. Turn power ON.
- b. Verify reader LED is ON (Red or Green depending on reader configuration; see reader LED Configuration).
- c. Present proximity credential and verify LED and sounder activity.
- d. Verify valid card read at EAC Panel.
- e. Verify system operation functions; i.e., the door unlocks when a valid credential is presented to the reader.



### Wiegand Test Unit

The ASSA ABLOY Wiegand Test Unit verifies your installation in the field\*. The test unit checks for proper wiring, card reader data integrity, lock functionality including lock/unlock, door position status, and request-to-exit (REX) status.

In addition, this tool provides product demonstration abilities to highlight the product's features and capabilities.



\*For directions on use, see operating instructions provided with unit.

Feature	WT1	WT2
12 or 24VDC solenoid lock voltage adjustable	X	X
Operates as Fail Safe or Fail Secure	X	X
"Learn" mode allows testing of specific cards without programming at panel level	X	X
Card reader data integrity is validated at test unit	X	X
Displays detailed Wiegand data, including hexadecimal string and total bits received		X
Displays measured end-of-line resistor values (if applicable)		X

ASSA ABLOY

Notes

Lined area for notes, consisting of 28 horizontal lines.



The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.



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For installation assistance contact Corbin Russwin  
1-800-810-WIRE (9473) • techsupport.corbinruswin@assaabloy.com