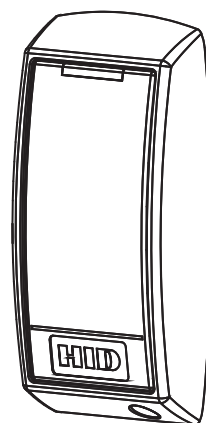


SE LP10 Series

with FE6600/BL6600/MP6600 Series
Multi-Point Lock

DISCONTINUED



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.

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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.

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 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.

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.”



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.

Observe precautions for handling electrostatic sensitive devices.

1

Warning, continued

If the SE LP10 reader is installed with a module (See Section 7-h), 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.

2

General Description

The Corbin Russwin SE LP10 multi-point lock is designed to interface with existing Wiegand Electronic Access Control (EAC) panels. The reader requires 12VDC for power and features HID® multiCLASS SE® technology. SE LP10 is backed by Corbin Russwin’s Grade 1 hardware.

The multi-point lock comes with Request to Exit (RX) & Door Position Switch (DPS) monitoring inside the lock body and operates from 12-24VDC.

3

Features

- Latch: Stainless steel, 3/4” projection, one-piece
- Deadbolt: One-piece hardened stainless steel
- Guardbolt: Stainless steel, non-handed
- Handed: Easily field reversible without opening case
- Case: 12 gauge heavy duty wrought steel
- Outside lever controlled by compatible credential
- Inside lever provides RX signal and retracts latch and deadbolt
- Field-selectable to Fail Safe or Fail Secure
- Complete monitoring of door includes request to exit and door position monitoring with optional end-of-line resistors
- Door position switch (DPS) within lock body
- Locks furnished for 1-3/4” doors. Other door thicknesses require confirmation with factory.
- UL and CUL listed for use on Fire Doors
- Wires directly to EAC Panels
- 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 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
 - NFC-enabled mobile phones
 - 125 kHz credential compatibility:
 - HID Prox®, AWID, EM4102

Installation Instructions

4

Regulatory Specifications

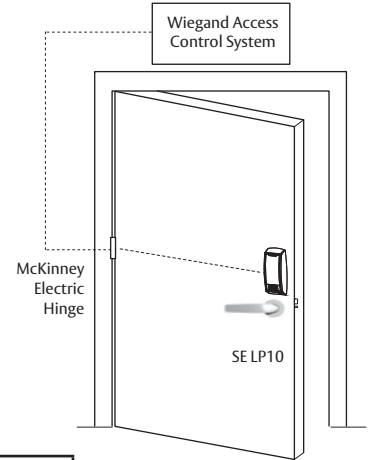
Electrical Specifications

12/24VDC System

- Reader Draw = 200mA (Peak; average = 81mA @12VDC)
- Actuator Draw =15mA continuous (500mA peak)

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

- UL and CUL listed for use on Fire Doors



Wire Gauge Charts

Total One-Way Length of Wire Run (ft)	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)	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	—	—	—	—	—	—

5

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 FE6600/BL6600/MP6600 Multi-point, ElectroLynx wire Color / Function assignments												
Corbin Russwin FE 6600 BL6600 MP6600 Multi-point	12/24VDC (Reader)		WIE- GAND	WIE- GAND	RX	RX	EGND	LED	12/24 VDC (LOCK RELAY)		DPS (NC)	DPS (COM)
	NEG	POS	DATA_1	DATA_0	NO/NC	COM	REF. *DIA- GRAMS	REF. *DIA- GRAMS	NEG	POS	DPS	DPS
Cylindrical/ Exits	NEG	POS	DATA_1	DATA_0	NO	COM			NEG	POS	-	-

See page 6 for diagram.

If your lock is configured with End of Line Resistors, reference instruction sheet FM406 for the wiring of RX & DPS outputs.

Reader LED Configuration

The Access 600 series reader can be configured for (3) modes of LED operation. HID Programming cards are also supported to configure behavior for LED color activity. Call 1-800-810-WIRE for details.

Mode 1:

- Red LED 'ON' when powered.
- Presenting a valid credential will cause LED to 'FLICKER' green and return to red state.

Mode 2:

- Green LED "ON" when powered.
- (No Flicker) after presenting valid credential.

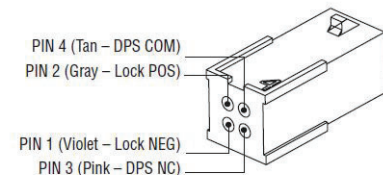
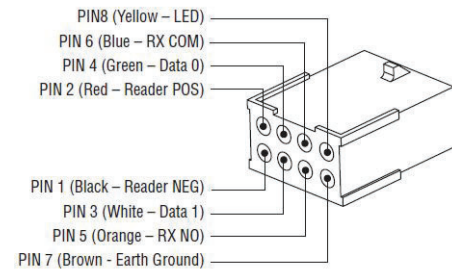
NOTE: LED wire must be connected to circuit GROUND of the system's power supply.

Mode 3:

- EAC Panel controls LED operation.

NOTE: Control of LED is a function of the EAC panel equipment (i.e. relay) to toggle between green and red. **NOTE:** When LED wire is tied directly into EAC panel relay, no AC signals should be applied on wire - door reader performance will be impacted.

Wire from EAC panel to door must be shielded with drain terminated at EAC panel controller.



5

Wiring Diagrams, continued

Typical FE6600/BL6600/MP6600 x SE LP10 Series Multi-point Lock Application Diagram (12/24VDC Lock)

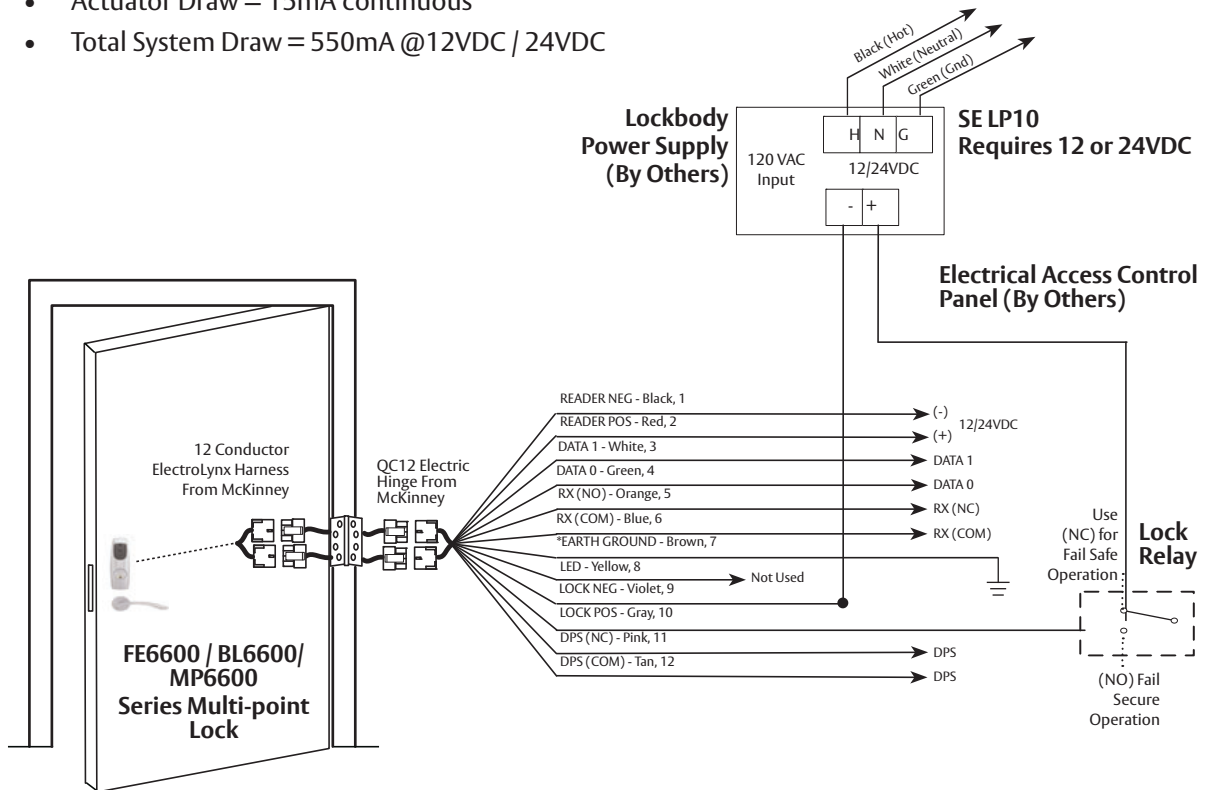
Standard Application Shown

For Alternative Applications Contact 1-800-810-WIRE (9473)

Reader Electronics Require 12 or 24VDC Power Supply

12/24VDC System

- Reader Draw = 150mA @12 or 24VDC
- Actuator Draw = 15mA continuous
- Total System Draw = 550mA @12VDC / 24VDC



***IMPORTANT:**

Pin 7 must be tied to ground in the access control panel.

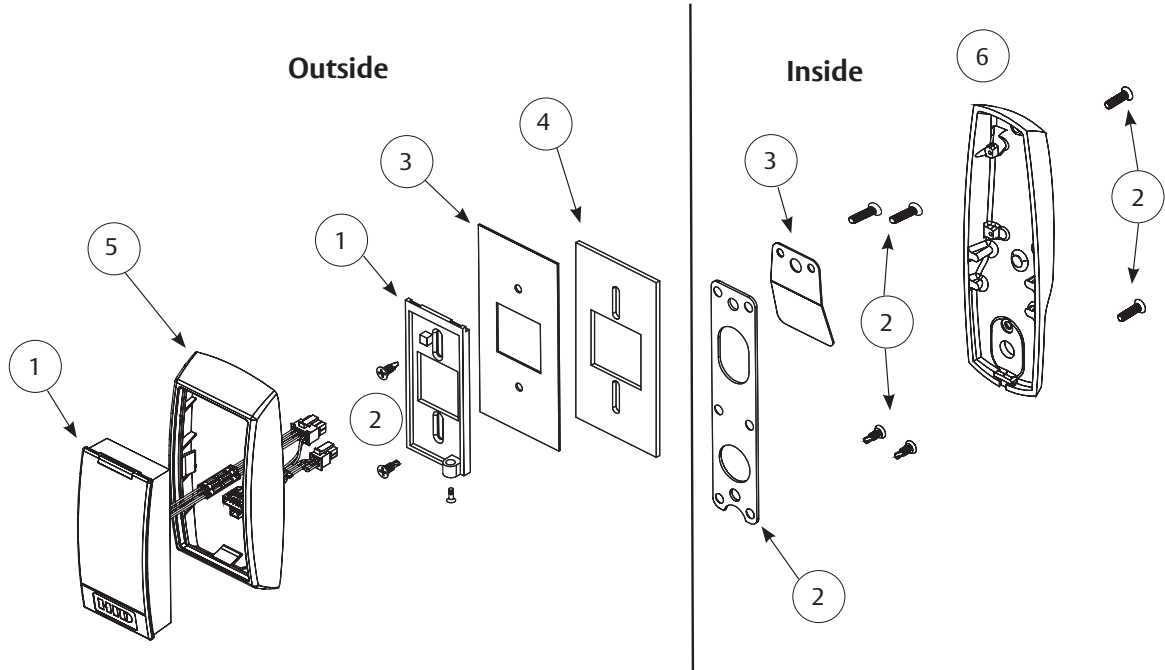
Failure to follow proper ESD safe grounding procedures could lead to equipment failure.

NOTE:

If your lock is configured with End of Line Resistors, reference instruction sheet FM406 for the wiring of RX & DPS outputs.

6

Product Illustrations



ITEM	PART #	DESCRIPTION	
1	763F629	IPS-B03 Reader& Harness Assembly (Black)	1
	763F809	BIPS-B03 Reader & Harness Assembly - Bluetooth (Black)	
	763F649	FIPS-B03 Reader & Harness Assembly - 200 bit Wiegand output (Black)	
	763F669	FIPS-B04 Reader & Harness Assembly - 75 bit Wiegand output (Black)	
2	763F89M FIN	Mounting Packet	1
3	763F719	Fire Plate Packet	1
4	764F319	Gasket (for non fire-rated doors)	1
5	763F689	Trim Bezel- Black	1
6	763F79M FIN	Inside Escutcheon with Thumbturn	1
	743F27M FIN	Inside Escutcheon without Thumbturn	1

Tools Required:

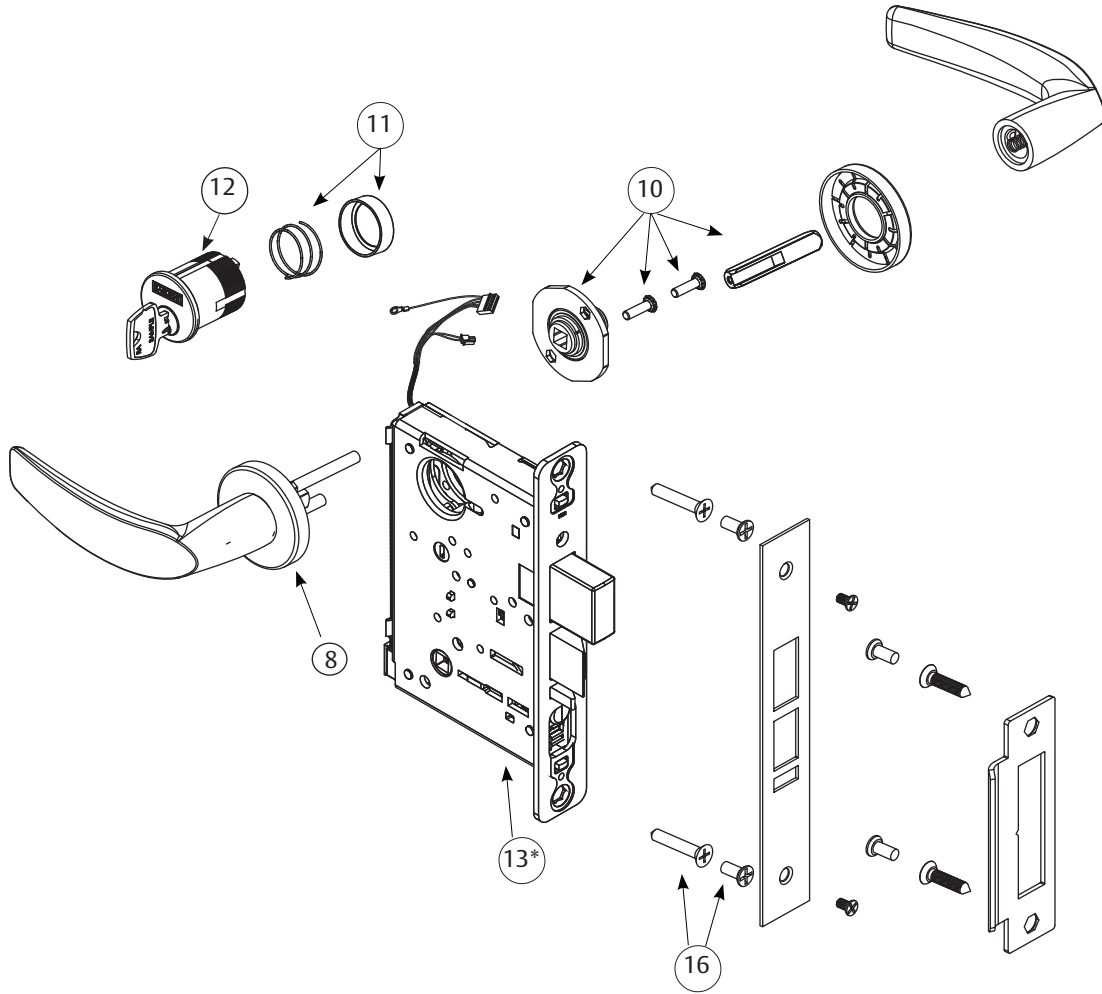
- Phillips Screw Driver (Standard size)
- Slotted Screw Driver (Standard size)
- 1/8" Allen Wrench

Patent pending and/or patent - www.assaabloydss.com/patents.

6

Product Illustrations, continued

For mechanical parts listing refer to FE6600/BL6600/MP6600 Parts Manual 45499 & 45611



--	Reference SE LP10 Catalog For Available Lever Styles	1	
--	Reference SE LP10 Catalog For Available Rose Styles	1	
Lock Body†	FE/BL/MP66609-SAF	w/out Deadbolt, Fail Safe	1
	FE/BL/MP66609-SEC	w/out Deadbolt, Fail Secure	1
		w/out Deadbolt, Fail Safe, Both Levers Lock	1
		w/ Deadbolt, Fail Safe	1
		w/ Deadbolt, Fail Secure	1
		w/ Deadbolt, Fail Safe, Both Levers Lock	1

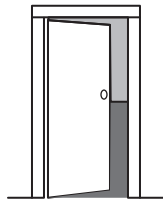
7

Installation Instructions

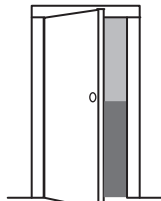
a

Verify Hand and Bevel of Door

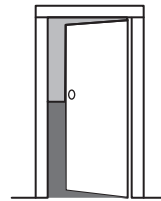
Stand on outside of locked door when determining door hand.



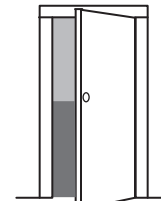
LH
Left Hand
Hinges Left
Open Inward



LHRB
Left Hand
Reverse Bevel
Hinges Left
Open Outward



RH
Right Hand
Hinges Right
Open Inward



RHRB
Right Hand
Reverse Bevel
Hinges Right
Open Outward

b

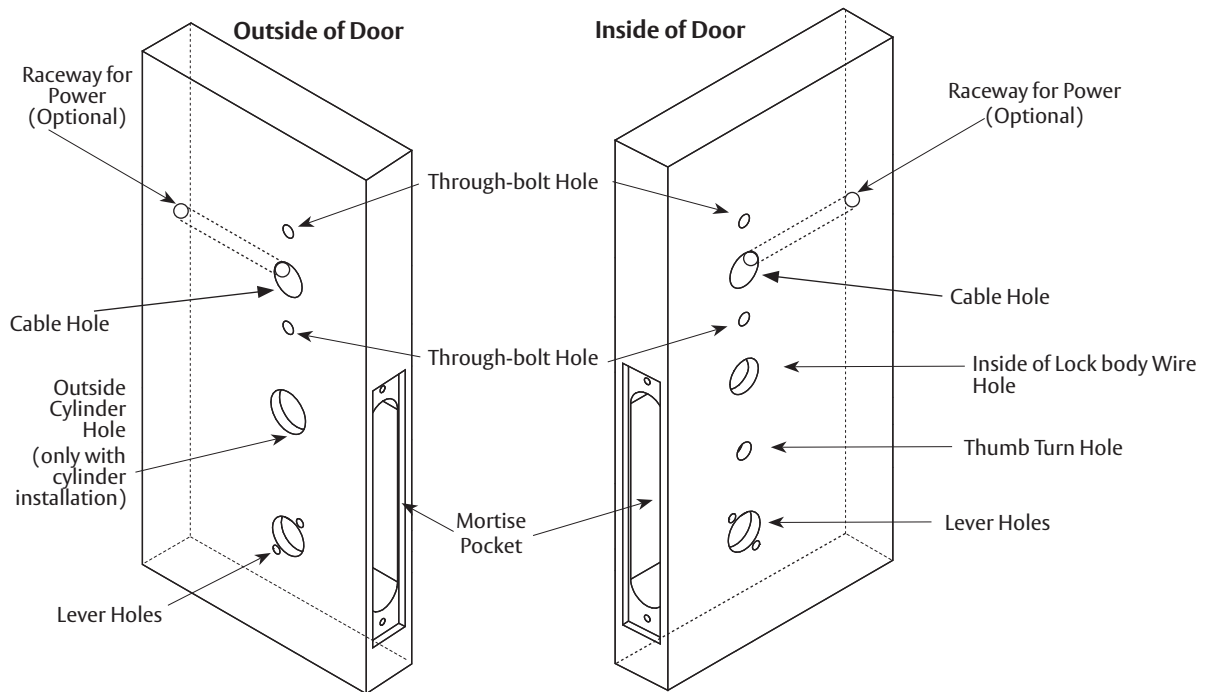
Door Preparation

Prepare door according to appropriate template. If necessary, refer to website: www.intelligentopenings.com

- Prior to installation, make sure all holes are free of burrs, debris and sharp edges.
- If doors are not properly reinforced per ANSI 115.2, commercially available reinforcements should be installed.

Templates:

- Field: **FM447** and **FM448** template ships with product.
- Manufacturer: **4740** metal and wood door.



Installation Instructions

7

Installation Instructions, continued

c

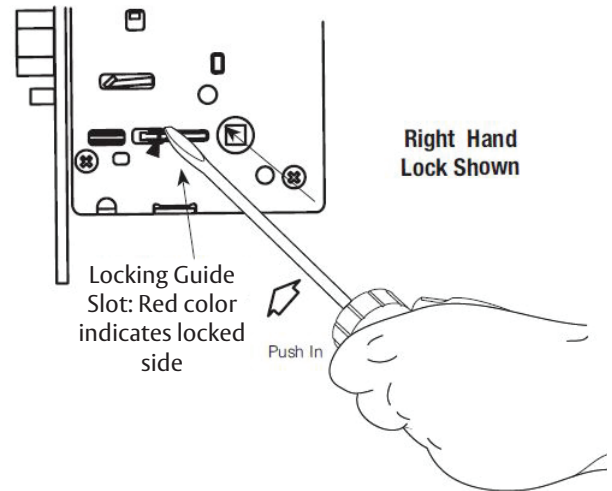
Prepare Lock Body (if necessary)

Reverse Lock Hand

Red surface of locking piece must face the outside/locked side of door.

1. To rotate locking piece, position lock body with red surface of locking piece visible. See diagram to the right.
2. Insert blade type screwdriver into locking piece slot to rotate locking piece toward back of lock body.
3. Rotate the locking piece 180° until RED surface is on opposite side.

NOTE: Red indicates locked side (outside).



Reverse Latch Hand

Beveled surface of latch must face strike. See diagram at right.

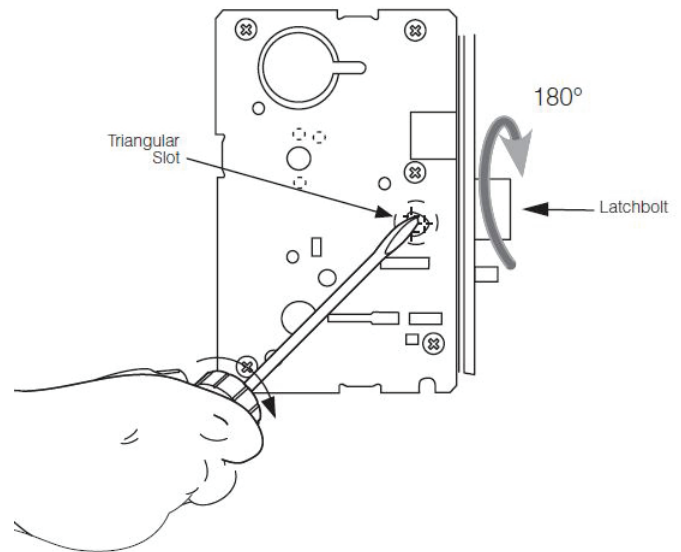
The deadlatch is self adjusting.

To change hand of latchbolt:

1. Insert screwdriver into the spade shaped slot.
2. Rotate screwdriver 90° to push latch out until back of latch clears lock front; then rotate latch 180°.

Latch will then re-enter lock body.

NOTE: Latch cannot be unscrewed.



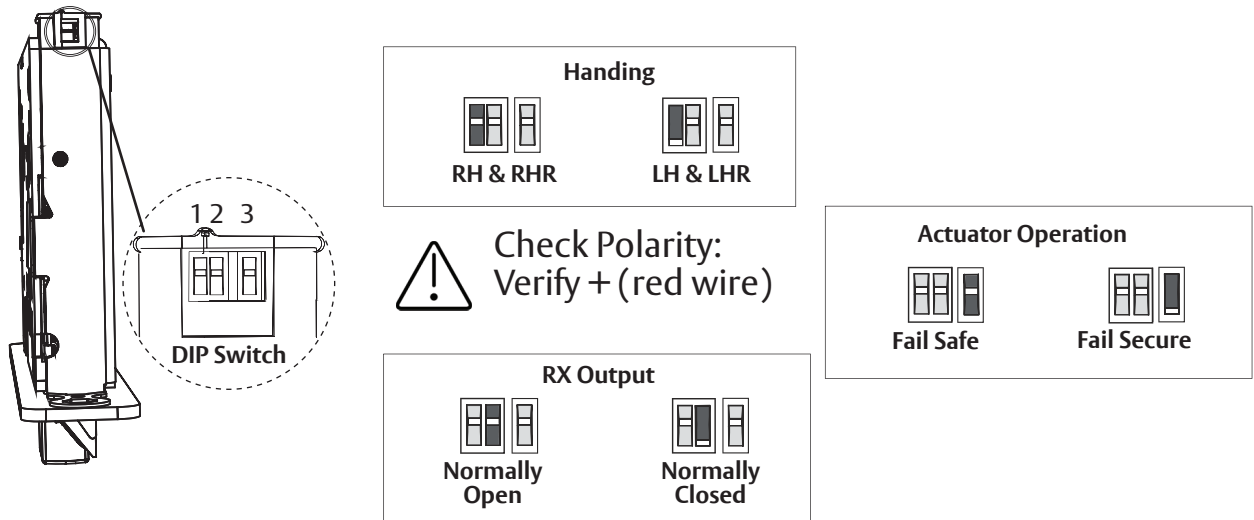
7

Installation Instructions, continued

d

Configure the DIP Switch Settings

IMPORTANT: This product is built and factory tested to the configuration specified. Any change to the 3-position DIP-switch settings located at the bottom of the mortise lock body must be made prior to lock installation.



e

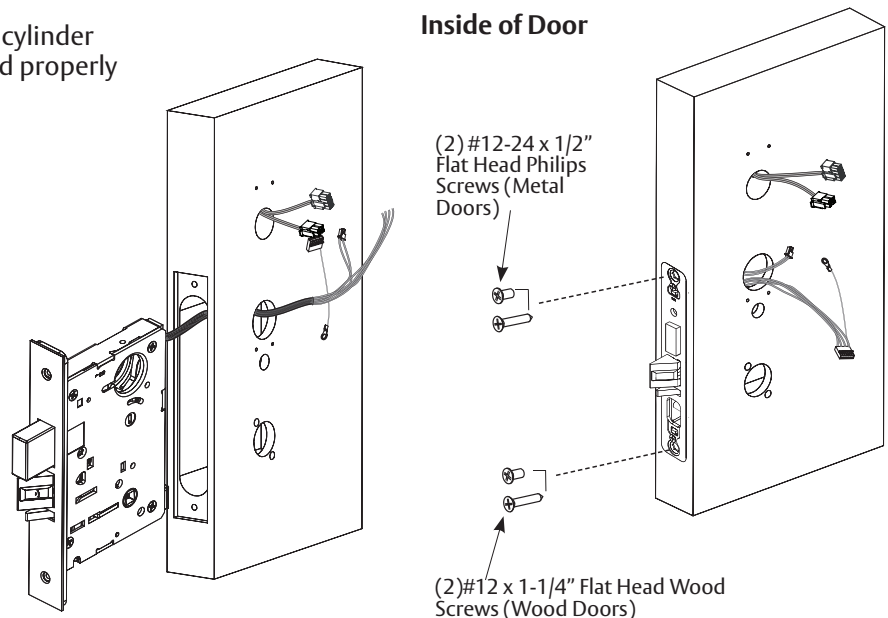
Install Lock Body

NOTE: Do not pull the lock into the pocket using the harness alone.

Ensure that the wire harness is not pinched between the lock and the mortise pocket.

1. Feed the wire harness into the mortise pocket and through inside preparation hole as shown below.
2. Carefully push the lock body into the pocket while lightly applying tension to the wire harness.
3. Insert (2) #12-24 screws into the lock body and tighten* with a screw driver.

*Do not fully tighten until cylinder and levers are installed and properly aligned.



Installation Instructions

7

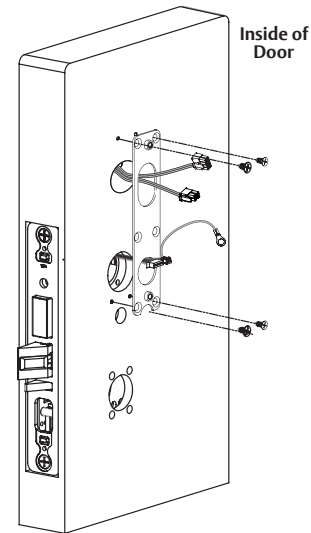
Installation Instructions, continued

f

Install Inside Mounting Plate

NOTE: Feed connectors and door harness through the corresponding hole on the mounting plate.

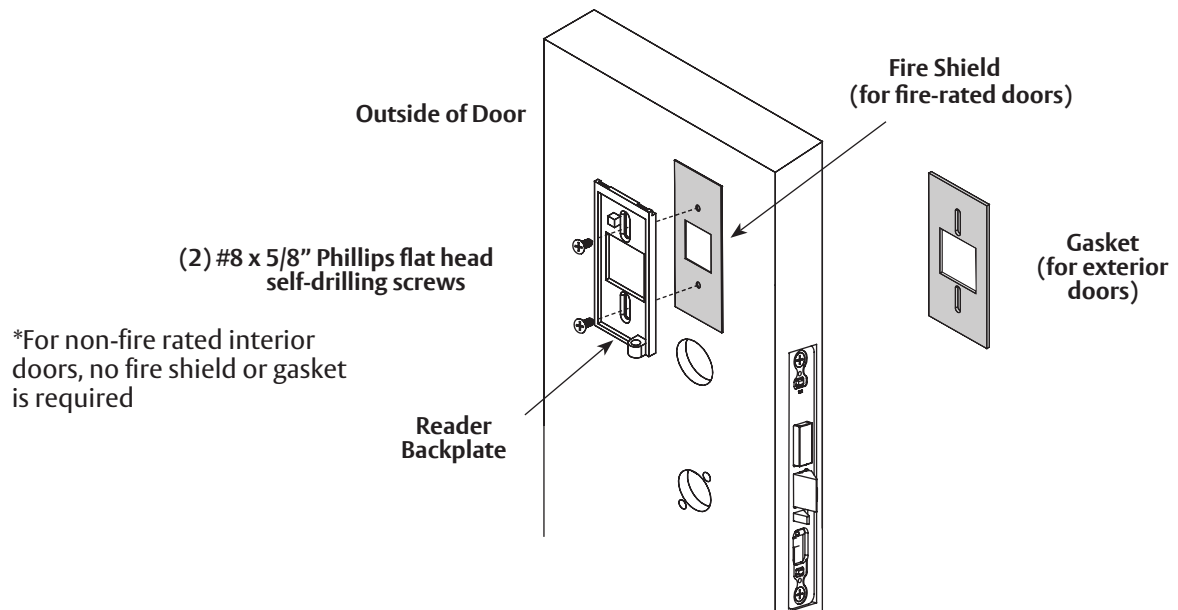
- Attach the mounting plate using two (2) #8 x 1/2" lower screws. See figure to the right.
- If fire kit is not being used, install (2) #8 x 1/2" in upper mounting plate holes.



g

Install Reader Backplate and "Optional" Fire Shield or Gasket

- 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. See figure below.
- For exterior doors, install reader backplate and gasket using two (2) #8-18 x 5/8" Phillips flat head self-drilling screws. See figure below.
- For non-fire rated interior doors, no fire shield or gasket is required. Install backplate using two (2) #8-18 x 5/8" Phillips flat head self-drilling screws.



7

Installation Instructions, continued

h

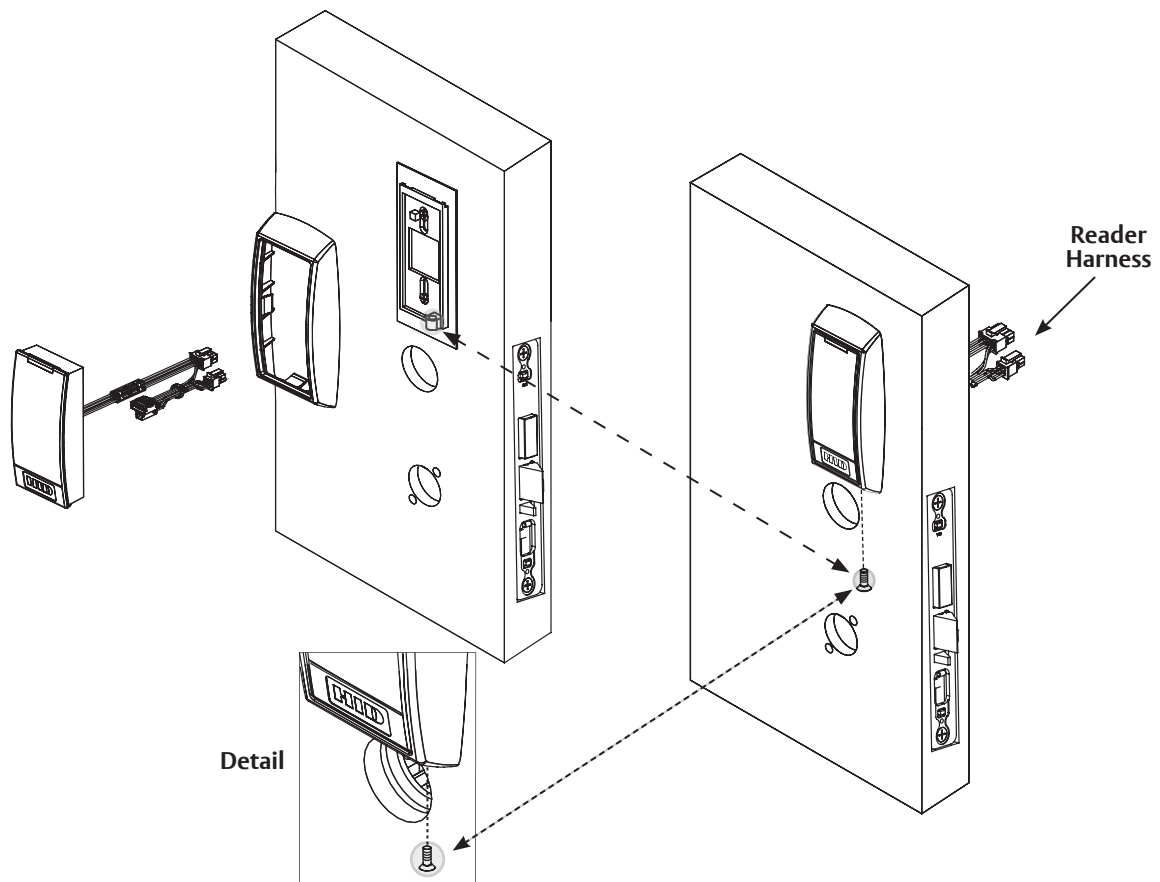
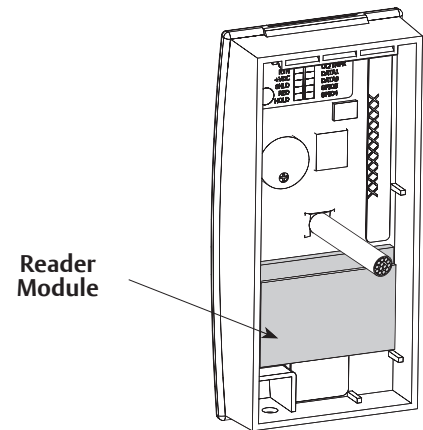
Installation of SE LP10 Reader & Trim Bezel



Observe precautions for handling electrostatic sensitive devices.

If the SE LP10 reader is installed with a module (See below), 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.

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



Installation Instructions

7

Installation Instructions, continued

i

Wire Connections

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

- Connect 6-pin connector from lock body to 6-pin connector on reader harness (Figures 1 and 2).
- Connect 2-pin connector from lock body to 2-pin connector on reader harness (Figures 1 and 2).

Note: Neatly fold excess wires into remaining space to prevent pinching wires when mounting inside escutcheon (Figure 3)

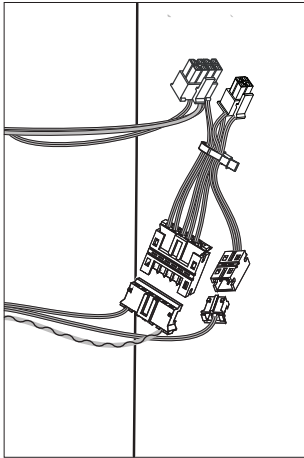


Figure 1

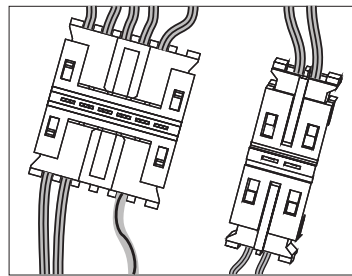


Figure 2



Figure 3

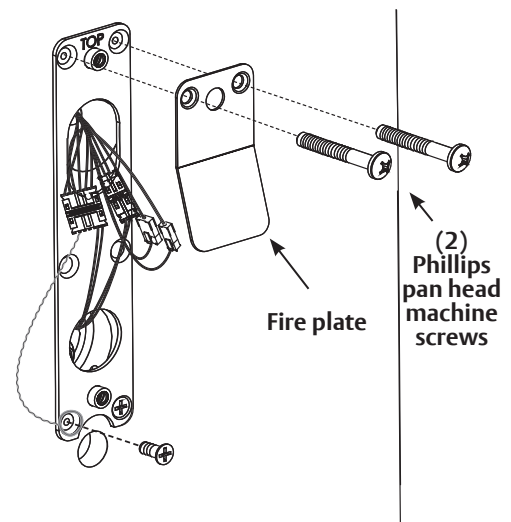
- Carefully tuck connected harnesses into the 3/4-inch hole in the door (Figure 3). Connect the ElectroLynx 4- and 8-pin connectors from the door harness to (black) 4- and 8-pin connectors of the SE LP10 harness (Figure 3).

j

Fire Plate & Earth Ground Connection

- Remove lower left screw from mounting plate. Feed screw through green/yellow ground wire terminal. Reinstall screw. Ensure that the green/yellow wire points toward the top of door in order to avoid interference with escutcheon.
- Install the fire plate to the mounting plate. Use caution not to trap wires between the pad and the mounting plate. Fasten plate with two (2) #8 x 1-1/4" Phillips pan head self-drilling screws.

Note: For non-fire rated doors, omit fire plate.



7

Installation Instructions, continued

k

Outside Cylinder Installation

- Verify orientation of cylinder so that Corbin Russwin logo is right-side up (Figure 4).
- Withdraw the key about 25% out of the cylinder before inserting into the escutcheon (Figure 5).
- Use the key to rotate the cylinder clockwise until it is flush at the bottom and the Corbin Russwin logo is right-side up.

Do not attempt to tighten all the way.

- Tighten the cylinder clamp set screw to prevent unscrewing of the cylinder (Figure 6).
- Test cylinder:
 - Key retracts latch.
 - Ensure smooth operation of latchbolt and deadbolt.

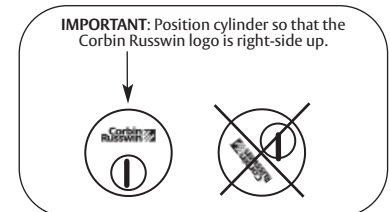


Figure 4

Figure 5

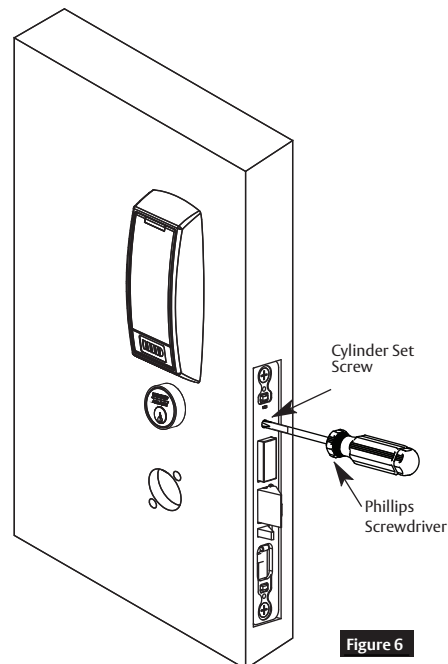
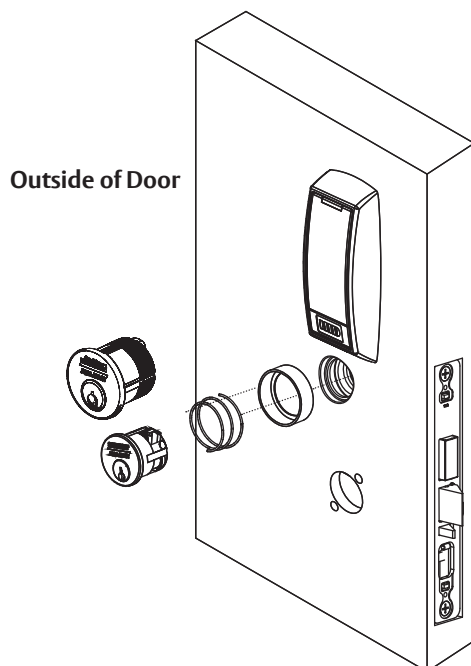


Figure 6

Installation Instructions

7

Installation Instructions, continued

I

Inside Outside Lever & Inside Adapter Plate Assembly

- With outside lever horizontal, insert mounting posts through outside of door and lock body. Make certain the lever spindle is properly engaged inside the lock body (Figure 7).
- On the inside of the door, insert spindle into square hole of mortise lock (Figure 8).
- Slide inside adapter and plate assembly over spindle and secure with (2) #8-32 X 5/8" Phillips oval head and lock washer machine screws.

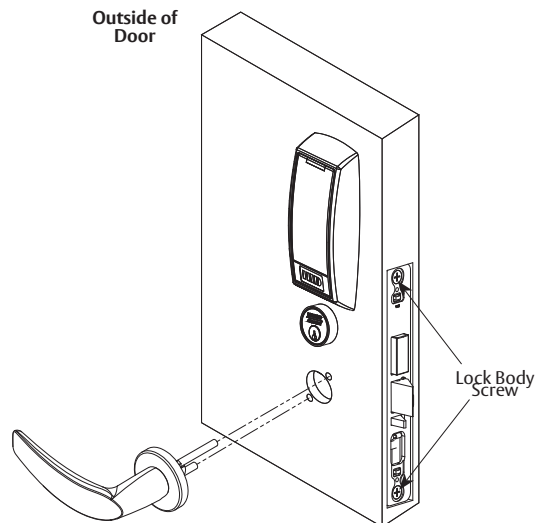


Figure 7

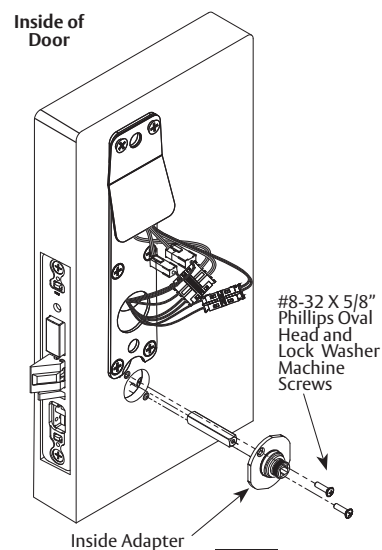


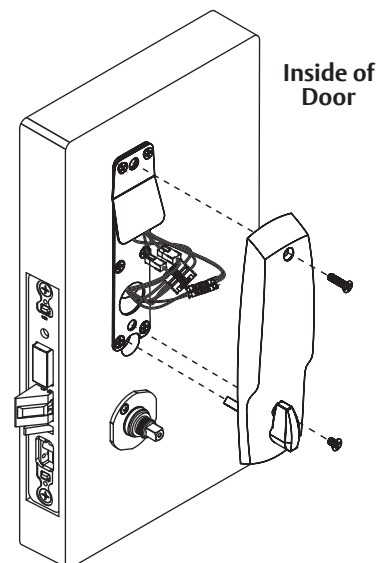
Figure 8

Note: For Museo lever styles, ensure that position of set screw hole on inside adapter is oriented to match location of hole on inside lever handle. Also ensure that the slot in the spindle is facing away from the door (See figure 8), and is oriented to match the location of the hole in the inside lever handle.

m

Install Inside Escutcheon Assembly

- Carefully and neatly fold back lock body wires.
- For locks equipped with deadbolts, align the inside escutcheon turn lever with slot in lock body. Adjust wires as necessary to ensure that they are clear of inside escutcheon. Seat inside escutcheon against door.
- Tighten the inside escutcheon securely to the mounting plate with the Phillips flat head machine screws provided. Use #8- 32 x 5/8" for the top of the escutcheon and the #8-32 x 1/4" screws for the bottom of the escutcheon located under the turn lever.
- Be sure turn assembly and deadbolt function properly.



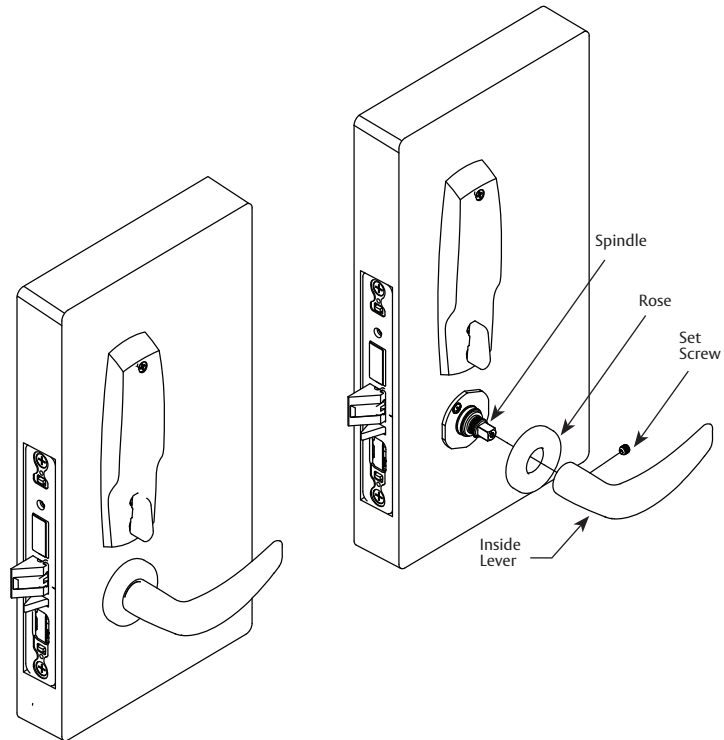
7

Installation Instructions, continued

n

Install Inside Rose and Inside Lever Assembly

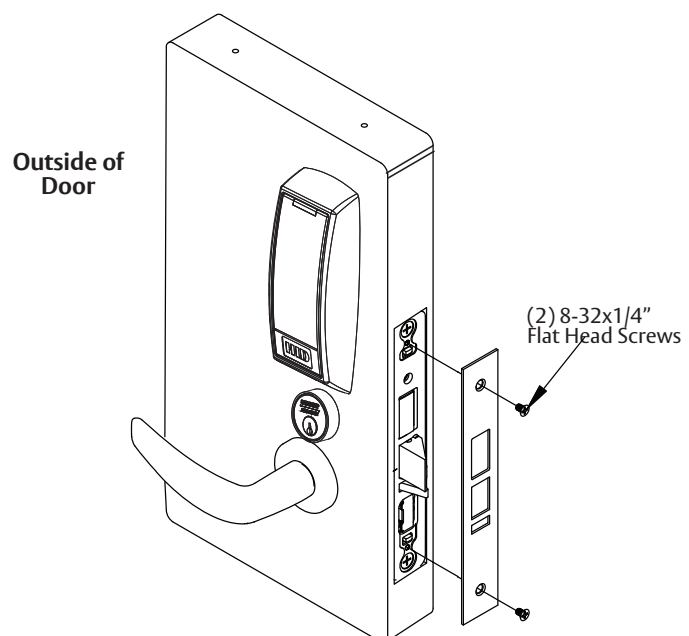
1. Rotate the inside rose counter-clockwise to seat the threads, then rotate clockwise to securely tighten.
2. Slide lever handle onto spindle until fully seated. The handle must be horizontal and facing the hinge side of the door.
3. Push lever onto spindle so minimum gap is visible.
4. Tighten the set screw securely with a 1/8" hex wrench.
5. Before closing the door, test that the lever is functional and the operation of the latchbolt and deadbolt is smooth.



o

Attaching Front Plate

Attach front plate with (2) #8-32x1/4" flat head screws and tighten securely.



Installation Instructions

8

Operational Check

For multi-point locks with cylinders:

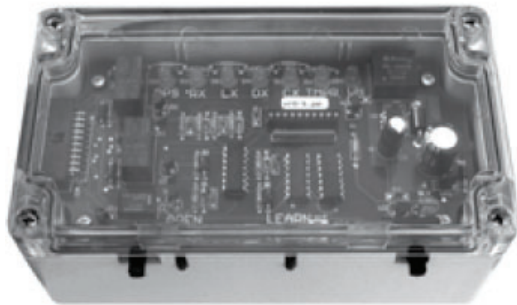
- a. Insert key into cylinder and rotate: There should be no friction against lock case, wire harness or any other obstructions.
- b. The key will retract the latch: Key should rotate freely.
- c. Inside lever: When used, ensure it retracts both the latch and deadbolt (if provided).
- d. Close door: Ensure latch and deadbolt fully extend and do not bind.

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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.



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 the panel level	X	X
Card reader data integrity is validated at test unit	X	X
Works with SE LP10	X	X
Displays detailed Wiegand data, including hexadecimal string and total bits received		X
Displays measured end-of-line resistor values (if applicable)		X

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

1. Ensure lock is interfaced with Wiegand Test Unit to verify installation & wiring up to (frame side) point of hinge.
2. Turn power ON.
3. Present compatible credential and verify LED and sounder activity.
4. Verify valid card read on Wiegand Test Unit or at the EAC panel.
5. Verify system operation functions; i.e., when credential is presented to reader, the door should unlock.

If the lock fails to operate when DC voltage is applied:

- a. Remove power.
- b. Confirm the polarity of the supply (i.e., '+' is positive).

If the lock is functioning opposite to the desired fail-safe or fail-secure operation:

- a. Remove power and check the "Fail" condition by attempting to rotate the outside lever (e.g. if fail-secure, the outside lever should be rigid with power removed).
- b. If the function is incorrect, remove the lock and repeat Section 7, Step D (DIP Switch configuration).

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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FM456 08/20