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Certification Exhibit

**FCC ID: U4A-SCYICLS2
IC: 6982A-SCYICLS2**

**FCC Rule Part: 15.225
IC Radio Standards Specification: RSS-210**

ACS Report Number: 11-0071.W06.11.A

**Manufacturer: Assa Abloy, Inc.
Model: P1-IM/IKM**

Manual

SARGENT®

ASSA ABLOY



PASSPORT 1000
Mortise Lock
Installation Instructions

A8032D

12/10

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1 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 A digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Industry Canada:

The term "IC:" before the radio certification number only signifies that Industry Canada technical specifications were met.

This Class A 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 A 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.



Observe precautions for handling electrostatic sensitive devices.

Warning SARGENT Mfg. Co. v.P Series locksets utilizing a door position switch (DPS) are not rated for, or intended for use in life safety applications.

2 General Description

The SARGENT Passport Series v.P1 cylindrical lock is available with either an HID® Prox 125 kHz or 13.56 MHz iCLASS® technology reader. It utilizes existing infrastructure and IEEE 802.3af PoE (Power over Ethernet) providing access control with Magnetic swipe and optional Proximity Reader and/or Keypad, as well as detailed audit capabilities-technology as a proven alternative to traditional access control installations. The v.P1 is a self-contained microprocessor-controlled access control product with non-volatile memory. It uses the existing network cable to communicate with access control systems. The v.P1 lock holds a total of 2400 different user codes.

Using PoE technology coupled with third party software, this v.P1 online lock offers a complete, integrated access control system.

The Passport Series v.P1 cylindrical lock may be used for both indoor and outdoor applications. A weather-protective gasket is recommended for outdoor applications.

HID and iCLASS are registered trademarks of HID Global Corporation.

3 Hardware Specifications

- Complete locksets with on-board memory
- Magnetic swipe standard with optional 125 kHz Proximity Reader (specify PRX-), 13.56 MHz reader (specify IKM-), and/or keypad (specify KP-)
- ADA Compliant
- Easily retrofits existing Passport 1000 door preps (cylindrical locks)
- Latch 1/2" standard
3/4" throw fire-rated double doors (optional) (41- prefix)
- Guarded latch
- Outside lever is unlocked through access control credentials only
- Inside lever retracts latch
- Locks furnished for 1-3/4" doors only
- Grade 1, UL Listed
- Outside lever controlled by any combination of keypad, magnetic keypad, iCLASS, prox (proximity) reader, or mechanical cylinder

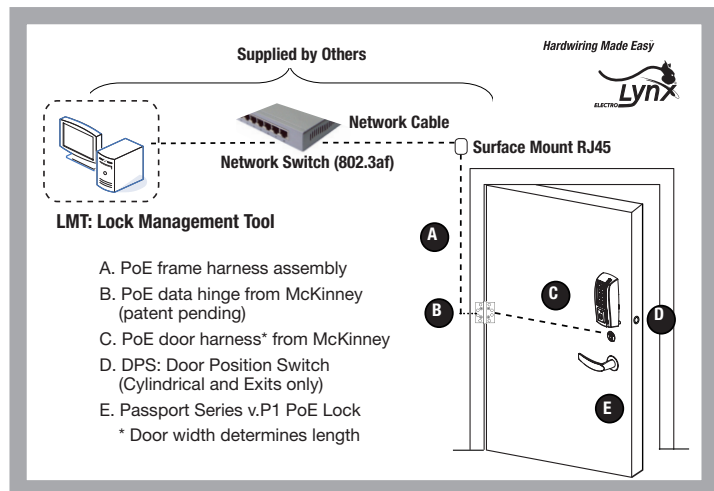
4 Electronic Specifications

- 2,400 users per lock; 10,000 event audit trail
- Multiple time zone and holiday access scheduling
- Centralized lock management
- Real time door status monitoring
- First-In unlock configuration, either by time or by user (selectable)
- Lock down capable
- Input Power: PoE Class 2 Device, as defined by IEEE 802.3af, requires up to 7 watts over structured cabling
- Uses existing Magstripe keycards (track 2)
- Magnetic Stripe Card Coercivity: HiCo (4000 Oersted) or LoCo (300 Oersted)
- Supports HID 125 kHz prox or 13.56 MHz iCLASS credentials (26 - 39 bit); supports CSN reads for other common 13.56 MHz cards, including MiFare, DesFire, and Felica

5 Installation Wiring Overview

SARGENT Passport Series PoE v.P1 Typical Application

- * Lockdown and real-time door status monitoring available only when lock is hard-powered



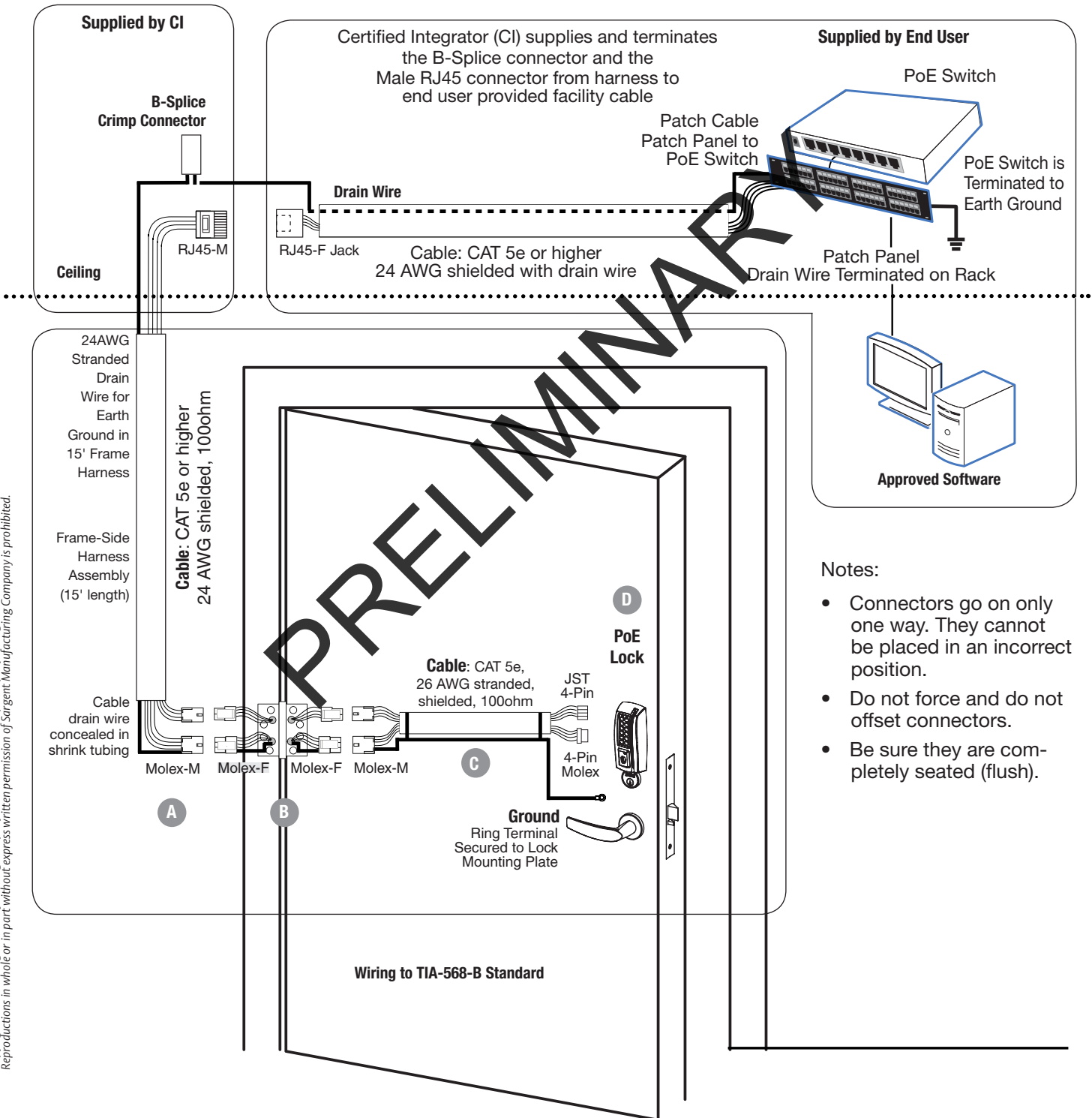
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6 Installation Wiring

- A. PoE Frame harness assembly (From McKinney)
- B. PoE data hinge (Patent Pending) (From McKinney)
- C. PoE Door harness*
- D. Passport 1000 Online P1 PoE Lock

* Order of installation may vary. Refer to appropriate sections for instructions.

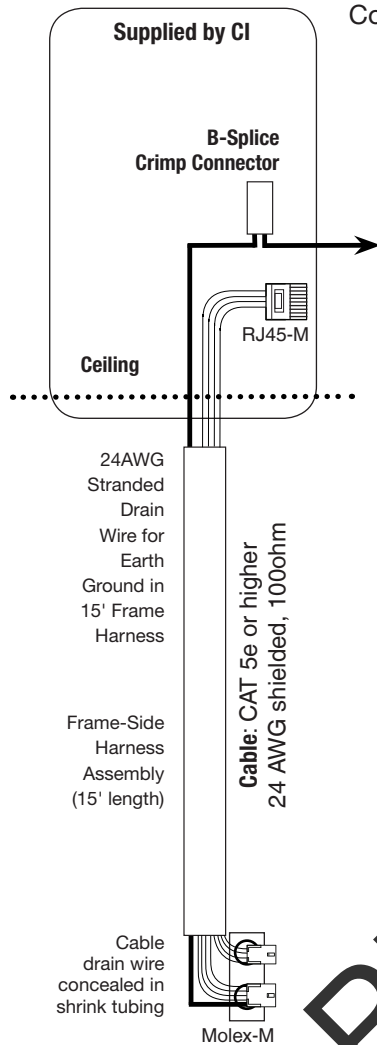


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Installation Wiring (Continued)

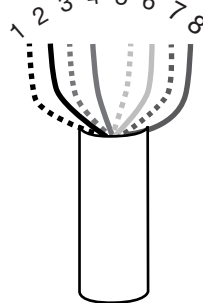
A Frame Harness Installation

Components and wire harness supplied by McKinney: Suggested installation.



Cut end / ceiling-side PoE harness:

TIA/EIB-568-B Standard Wiring



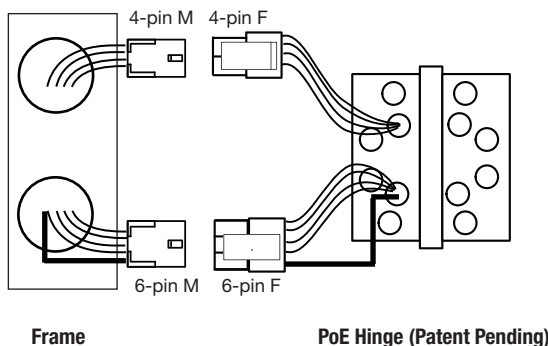
Pair Number	Wire	PIN
1	White/Blue	5
	Blue	4
2	White/Orange	1
	Orange	2
3	White/Green	3
	Green	6
4	White/Brown	7
	Brown	8

Do not confuse pair numbers with pin numbers. A pair number is used for reference only (eg. 10BaseT Ethernet uses pairs 2 & 3). The pin numbers indicate actual physical locations on the plug and jack.

Hinge side of PoE harness:

1. Feed cut end of harness into hole on hinge-side through single access hole.
2. Push one connector back through the hole and feed into the other access hole. Each of the hinge-side harness connectors should end up threaded through a different access hole and matched to the same size pin connector from the door harness:
 - 4-pin male molex connector.
 - 6-pin male molex connector with ground wire.

B PoE Data Hinge



Hinge-side harness connectors:

- 4-pin male molex connector
- 6-pin male molex connector with ground wire

Lock-side harness connectors:

- Ring terminal
- (2) 4-pin connectors

C PoE Data Hinge

Order of installation may vary. Refer to appropriate sections for instructions.

Hinge-side harness connectors:

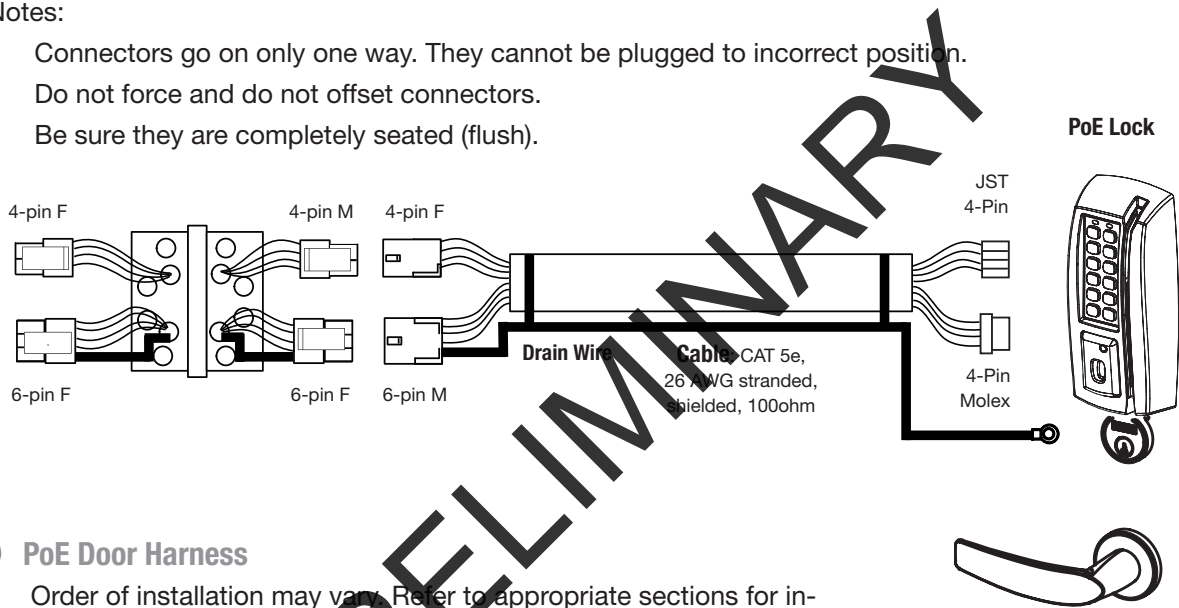
- 4-pin male Molex connector
- 6-pin male Molex connector with ground wire

Lock-side harness connectors:

- Ring terminal
- (2) 4-pin connectors:
 - 4-pin Molex connector
 - 4-pin connector

Notes:

- Connectors go on only one way. They cannot be plugged to incorrect position.
- Do not force and do not offset connectors.
- Be sure they are completely seated (flush).



D PoE Door Harness

Order of installation may vary. Refer to appropriate sections for instructions.

1. Prop door open.
2. Tape the two lock-side 4-pin connectors to the ring terminal.
3. Using the ring terminal, carefully fish the assembly through the door channel to the lock.
4. Remove tape from ring terminal and door harness connectors.

Hinge-side harness connectors:

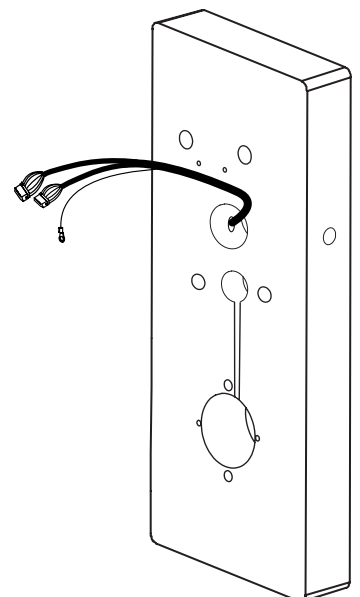
- 4-pin male Molex connector
- 6-pin male Molex connector with ground wire

Lock-side harness connectors:

- Ring terminal
- (2) 4-pin connectors:
 - 4-pin Molex connector
 - 4-pin connector

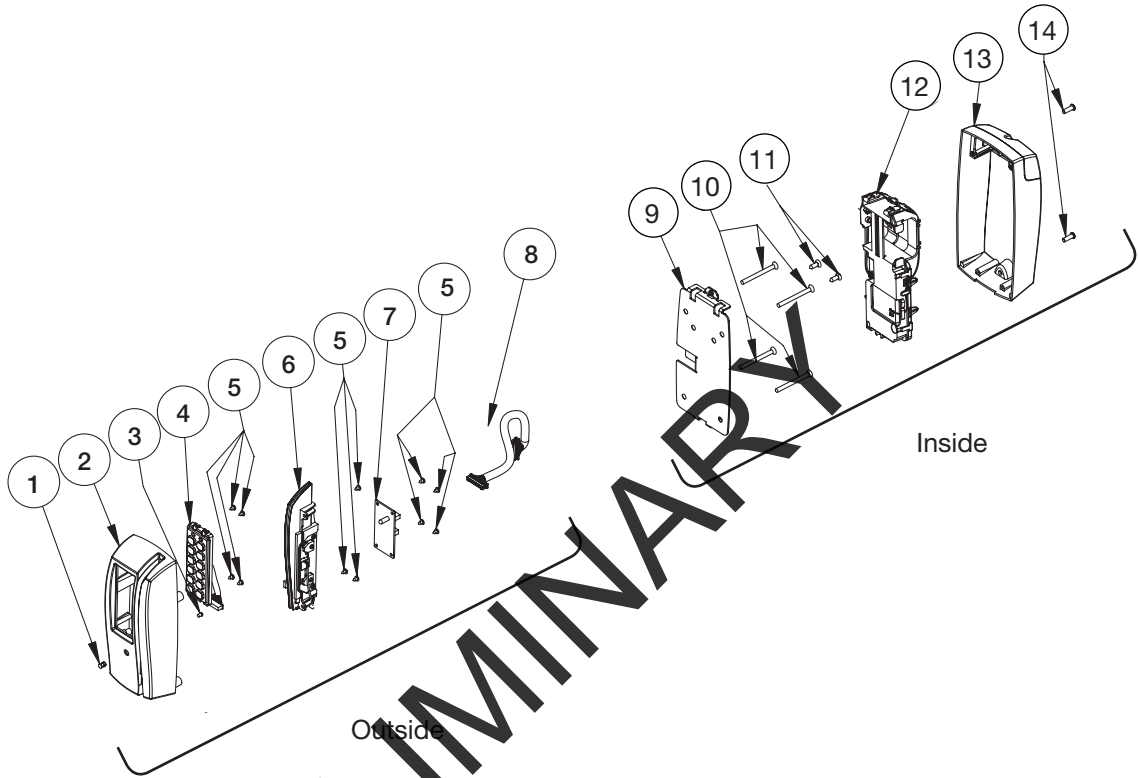
Notes:

- Connectors go on only one way. They cannot be plugged to incorrect position.
- Do not force and do not offset connectors.
- Be sure they are completely seated (flush).



8 Parts Breakdown

P1 PoE Lock with Magnetic Card Swipe With or Without Keypad



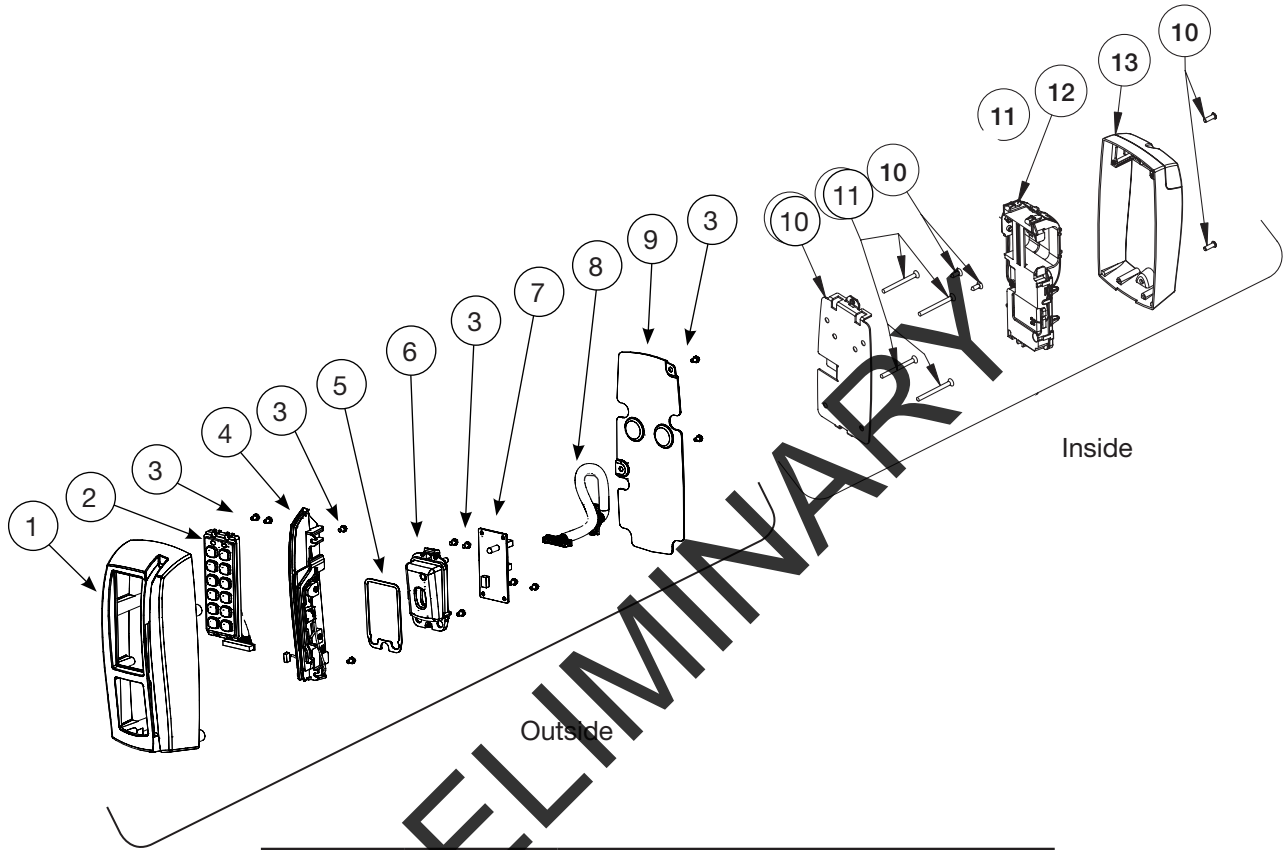
ITEM No.	PART No.	DESCRIPTION
1	52-0757	Lens (Ciplite)
2	52-0738	Outside Passport Escutcheon Only (Magnetic Swipe and Keypad)
	52-0739	Outside Passport Escutcheon Only (Magnetic Swipe)
3	52-0760	Light Pipe (Ciplite)
4	52-3593	Slim Style Keypad Assembly
5	01-9299	#4-40 x 3/16" Phillips Pan Head Screw
6	52-3591	Swipe Reader Assembly
7	52-0745	Online Interface PCB
8	52-3209	Harness Assembly
9	52-0748	Inside Mounting Plate
10	77-0168	#8-32 x 1-7/8" Phillips Flat Head Screw
11	01-1146	#8-32 x 3/8" Phillips Flat Head Screw
	01-1176	#8 x 3/8" Phillips Flat Head Wood Screw
12	52-4246	Modular Component
13	52-3592	Inside Escutcheon Assembly
14	01-4421	#8-32 x 1/2" T-20 Torx Pan Head Screw

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Parts Breakdown (Continued)

P1 PoE Lock with Magnetic Card Swipe , 125 kHz Prox and Keypad

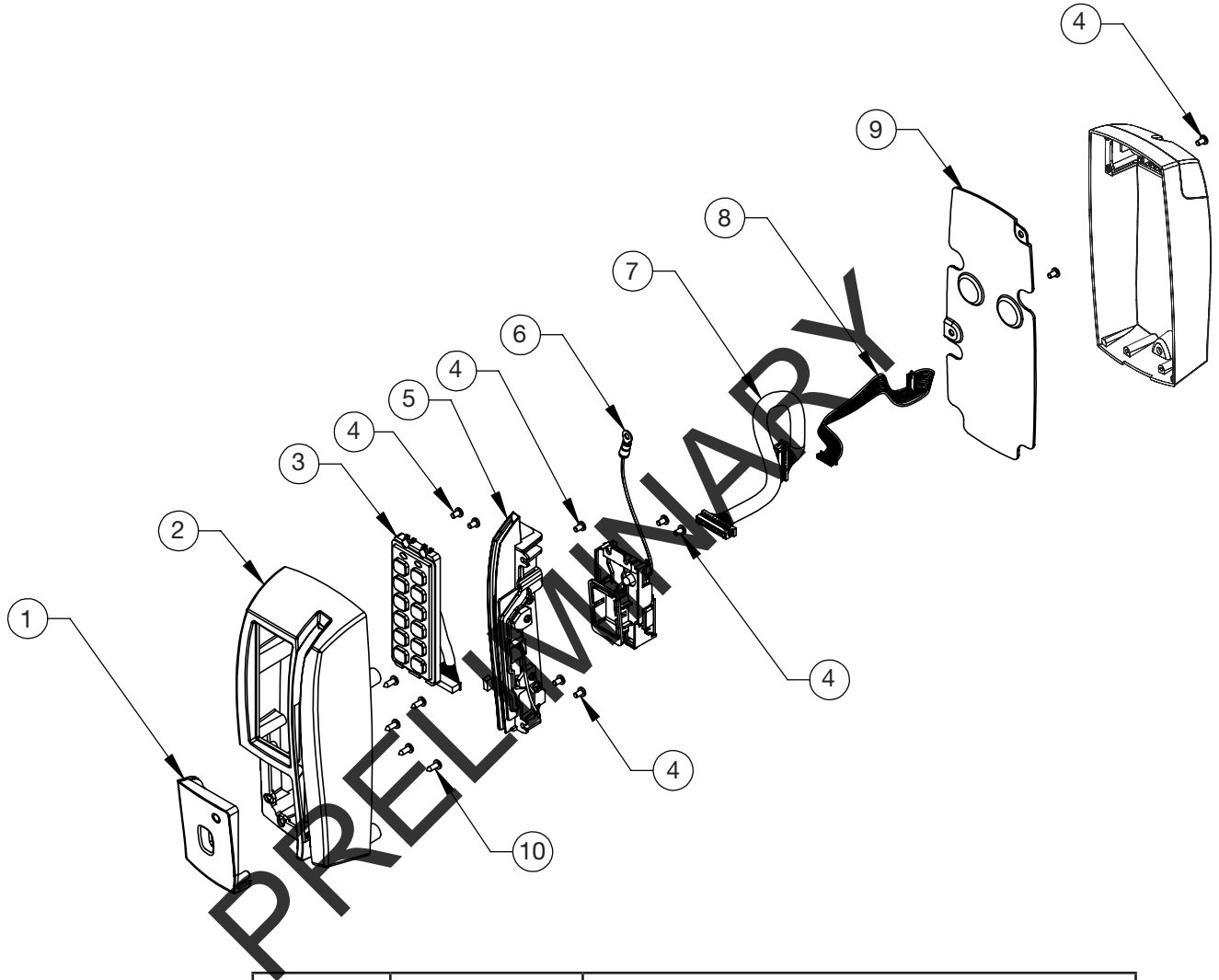


ITEM No.	PART No.	DESCRIPTION
1	82-1103	Outside Passport Escutcheon only (Magnetic Swipe, Keypad and Proximity Reader)
2	52-3593	Slim Style Keypad Assembly
3	01-9299	#4-40 x 3/16" Phillips Pan Head Screw
4	52-4243	Swipe Reader Assembly
5	52-1106	Prox Reader Gasket
6	52-4206	Antenna Assembly
7	52-0745	Online Interface PCB
8	52-3209	Harness Assembly
9	52-1109	Back Plate
10	52-0748	Inside Mounting Plate
11	77-0168	#8-32 x 1-7/8" Phillips Flat Head Screw
12	01-1146	#8-32 x 3/8" Phillips Flat Head Screw
	01-1176	#8 x 3/8" Phillips Flat Head Wood Screw
13	52-4246	Module Assembly
14	52-3592	Inside Escutcheon Assembly
15	01-4421	#8-32 x 1/2" T-20 Torx Pan Head Screw

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8 Parts Breakdown

Magnetic Card Swipe With 13.56 MHz iCLASS and Keypad

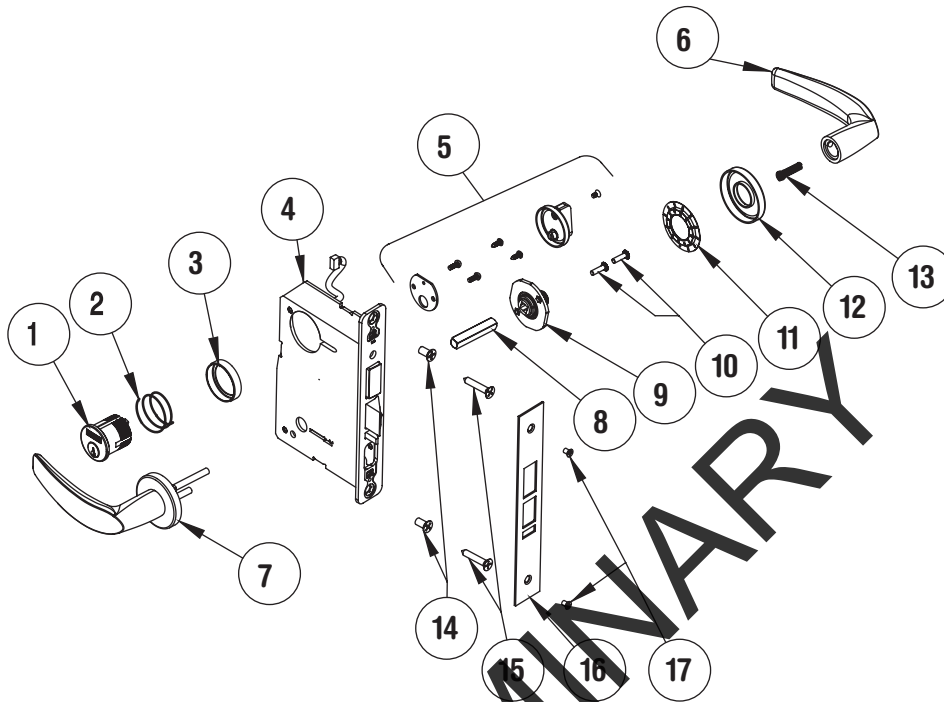


ITEM No.	PART No.	DESCRIPTION
1	52-4402	Outside Mask Assembly
2	52-1255	Outside Escutcheon - iCLASS
3	52-3593	Slim Style Keypad Assembly
4	01-9299	#4-40 x 3/16" Machine Screw
5	52-4243	Swipe Reader Assembly
6	52-4401	iCLASS Module Assembly
7	52-3209	Harness Assembly
8	52-4410	iCLASS Harness
9	52-1109	Back Plate
10	01-9300	#4-32 x 5/16" Plastite Screw

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8200 Series Mortise Lock



ITEM	PART No.	DESCRIPTION
1	See catalog	#41 Cylinder (1-1/8" Minimum Length)
2	13-0140	Cylinder Compression Spring
3	See catalog	1KB-1 Cylinder Rosette
4	See catalog	Mortise Lockbody
5	77-2508	130 KB Thumbturn for Deadbolt Functions Only
6	See catalog	Inside Lever Handle
7	See catalog	Outside Lever Assembly
8	82-0368	Spindle
9	82-3088	Inside Lever/Knob Adapter Plate Assembly
10	01-1495	#8-32 X 5/8 Machine Screw
11	82-0612	Non Loosening Wave Washer
12	See catalog	Mortise Rose
13	82-0347	Spindle Spring
14	01-1019	#12-24 X 1/2" Machine Screw
15	01-2299	12 X 1-1/4 Wood Screw
16	82-0578	Outside Front Plate (Electrical, Latchbolt & Guardbolt)
	82-0579	Outside Front Plate (Electrical, Deadbolt, Latchbolt and Guardbolt)
17	01-1028	#8-32 X 1/4 Machine Screw

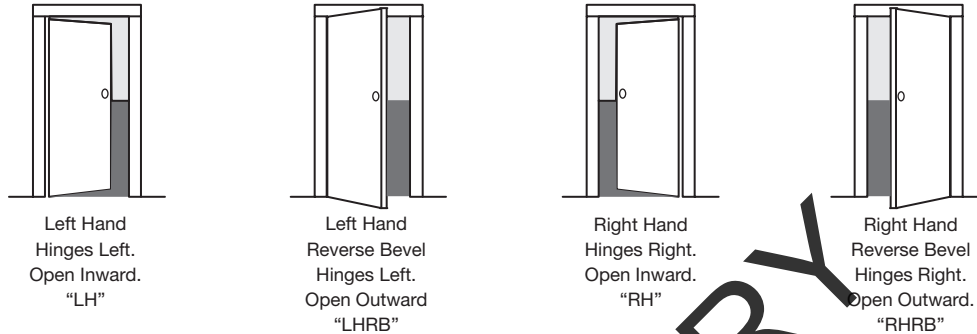
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9 Installation Instructions

1 Door Preparation

A. Verify Hand and Bevel of Door



B. Verify Product Label

- (KP-) P1- (PRX- or IKM) 82276 x Rose & Lever x Finish x Hand
- (KP-) P1- (PRX- or IKM) 82277 x Rose & Lever x Finish x Hand
- (KP-) P1- (PRX- or IKM) 82278 x Rose & Lever x Finish x Hand
- (KP-) P1- (PRX- or IKM) 82279 x Rose & Lever x Finish x Hand

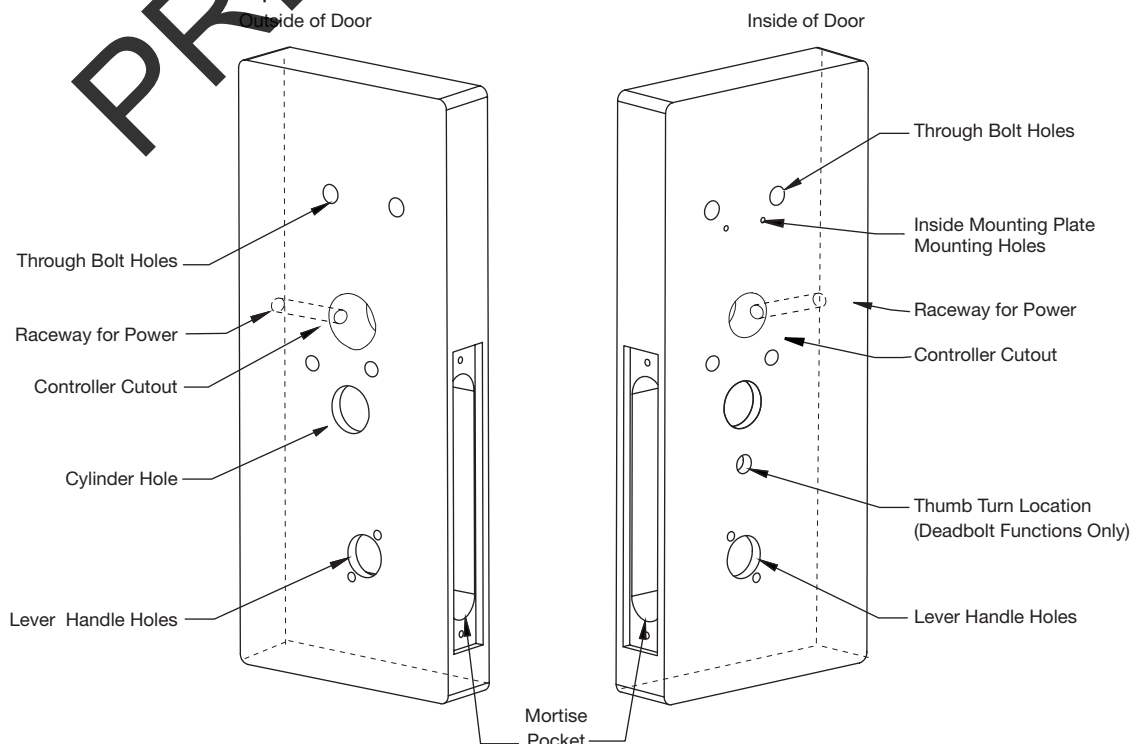
Note: KP- is for the optional Keypad and PRX- is for the optional Proximity Reader

- (IKM-) P1- (PRX) 10G77 x Rose & lever x Finish x Hand

Note: IKM- is for the 13.56 MHz Reader option

C. Door Preparation

- Field template: A7950 for wood and metal doors.
- Door manufacturers template: 4651.



2 How to Change Hand of Lockbody

A. Reverse Lock Hand

Red surface of locking piece must face the outside/locked side of door. To rotate locking piece (Fig. 2A):

1. Position lock body with red surface of locking piece visible.
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). Wire harness MUST exit through the inside/non-cylinder side of the lockbody.

B. Retaining Ring

Make sure the plastic retaining ring is seated correctly (Fig. 2B):

1. The wires and the plastic retaining ring must be located on the non-cylinder side.
2. Orient the plastic retaining ring so that the word **Bottom** is located at the bottom of the cylinder hole.
3. Route the wires from the top of the cylinder hole into the slot on the top of the plastic retaining ring, NOT through the retaining ring.

C. Reverse Latch Hand

Beveled surface of latchbolt must face strike. The deadlatch is self adjusting.

To change the hand of the latchbolt:

1. Insert the blade of a slotted screwdriver (>1/4") into the spade shape slot behind latch.
2. Rotate the screwdriver 90° to push latchbolt out until back of bolt clears lock case front.
3. Rotate latchbolt 180° until the latchbolt drops back into the lockbody.

Note: Latch cannot be unscrewed.

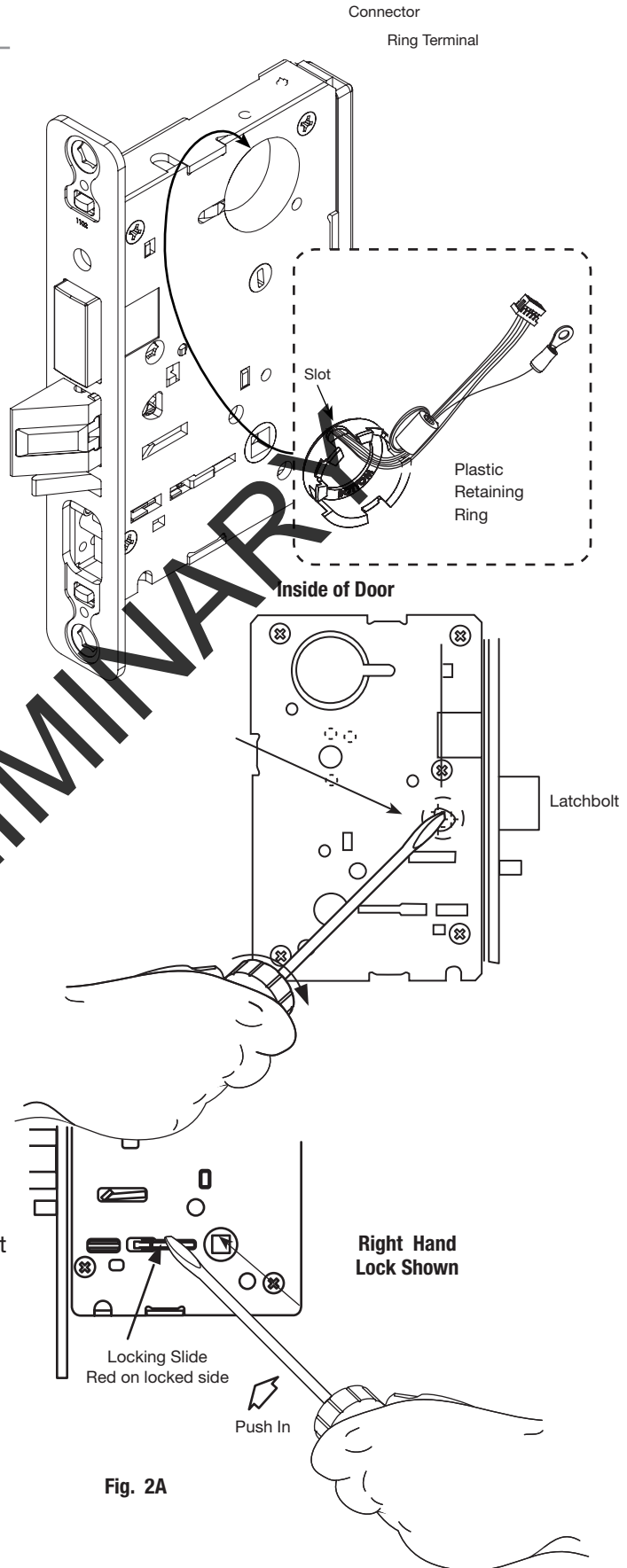
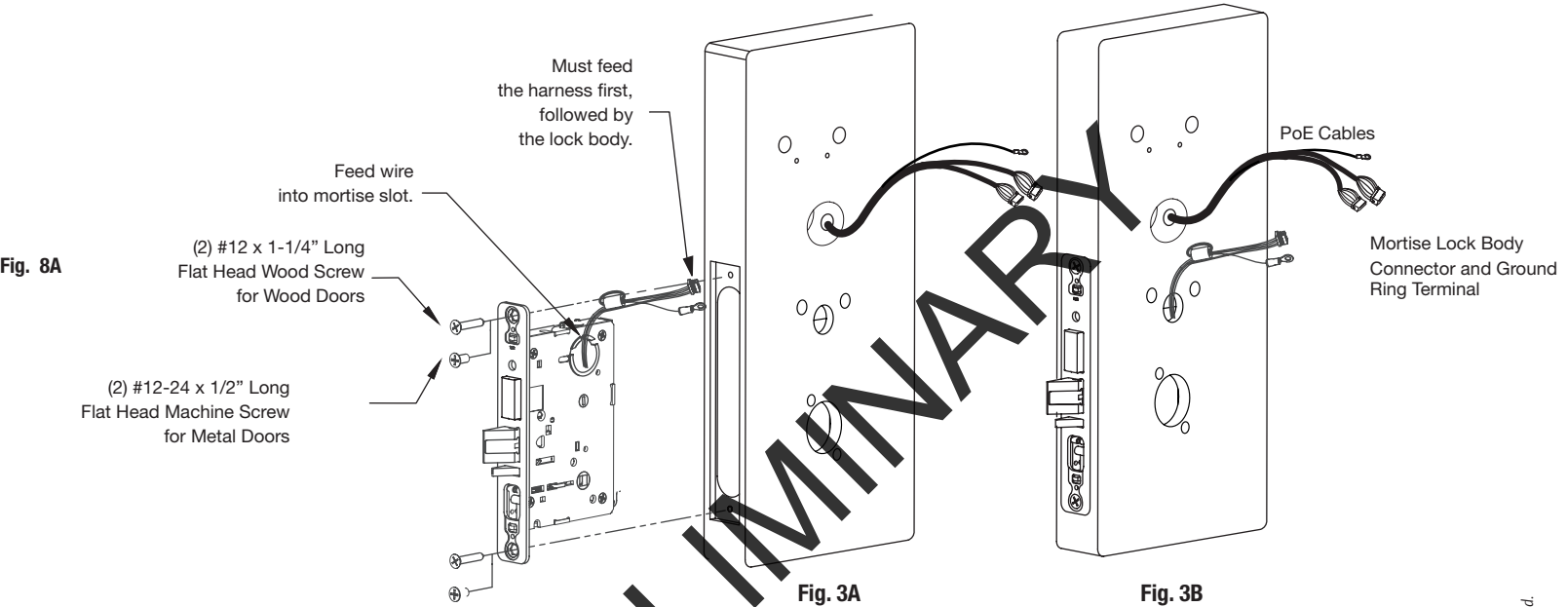


Fig. 2A

3 Install Lock Body

1. Feed the wires first through the mortise pocket and out the inside prep, followed by the lockbody (Fig. 3A).
2. The wires from the lockbody exit the inside door prep through the mortise pocket (Fig. 3B).
3. Loosely secure the lockbody in the door with two #12 x 1-1/4" wood screws or #12-24 x 1/2" machine screws.



4 Install Cylinder

1. Slide cylinder through the spring and rosette/collar and screw into lockbody, rotating the cylinder clockwise. Cylinder should be flush with rosette/collar. Note: SARGENT logo must be horizontal and on the top of the cylinder (Fig. 4B).
2. Secure the cylinder by tightening cylinder clamp screw located above the deadbolt.
3. Using the key, verify that the key retracts the latchbolt (and deadbolt).

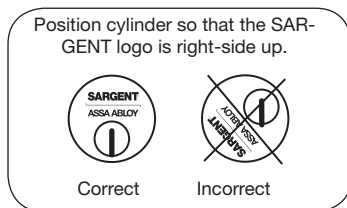
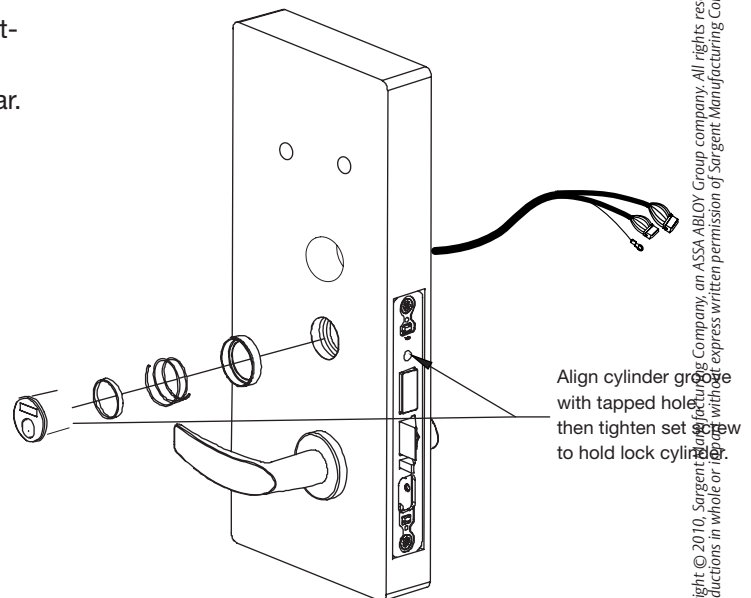


Fig. 4B



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5 Install Inside and Outside Levers

1. Slide the outside lever and spindle assembly through the door and lockbody.
2. Using the inside adapter plate and spindle, secure loosely with (2) #8-32 screws.
Note: Position threaded hole on the inside adapter to align with lever hole.
3. Tighten the lockbody screws on edge of door.
4. After the lockbody screws are tightened, tighten both inside adapter screws.
5. Position and attach rose over inside adapter.
6. Position and secure inside lever to the inside adapter with set screw.

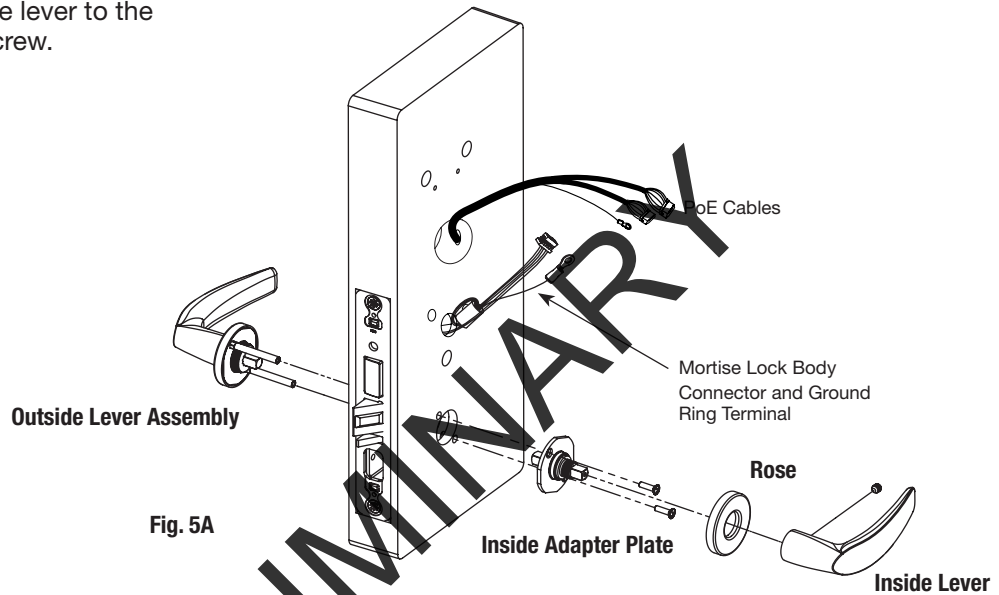


Fig. 5A

6 Deadbolt Functions Only (82276 & 82277)

1. Insert alignment tool (supplied) into lock body thumb turn.
2. Slide back plate over tool and make level.
3. Secure back plate to door with two (2) #6 x 3/8" round head wood screws or #6-32 x 3/8" round head machine screws.
4. Dispose of tool, position thumb turn over back plate (Fig. 6A) and secure with #6-32 x 1/4" flat head screw.

Note: Thumb turn should cover screw head when deadbolt is retracted.

Refer to instructions (A5675G) included in package included with lock.

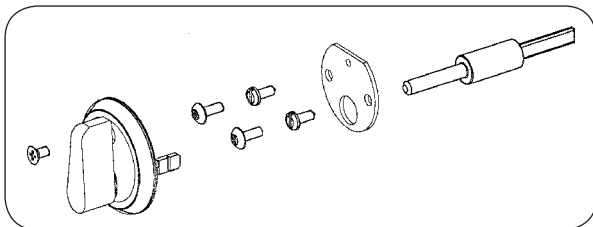
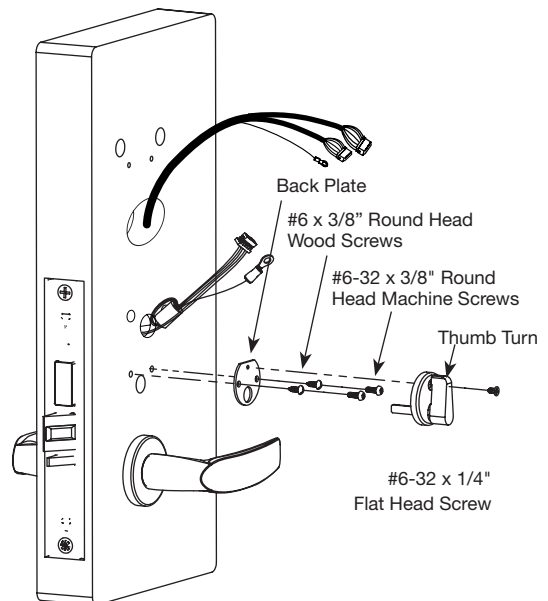


Fig. 6B Detail



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7 Install Gasket (Optional)

Note: Optional, for non-fire rated doors only.

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

Peel off adhesive backing and attach to outside escutcheon.

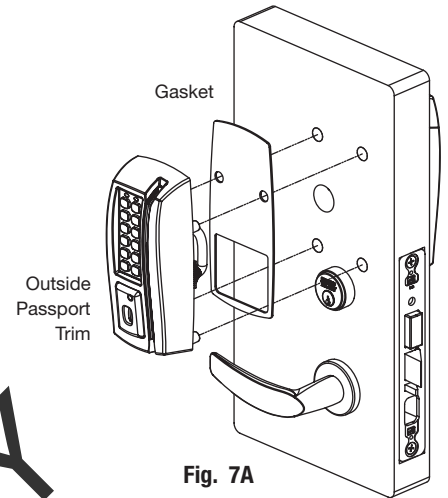


Fig. 7A

8 Install Outside Escutcheon and Mounting Plate Assembly

1. Insert the mounting posts through holes as shown.
2. On the inside of the door, position the mounting plate over the indicated holes.
3. Feed PoE and reader cables through side opening (Fig. 8A).
Cable from lockbody feeds from bottom (Fig. 8A and 8B).
4. Attach 2 ground ring terminals, one from controller and one from lock body to bottom right corner using one #8-32 x 1-7/8" flat head machine screw.
Make sure they are positioned upright (Fig. 8A).
5. Insert other three #8-32 x 1-7/8" flat head machine screws and tighten, fastening the outside escutcheon to the door (Fig. 8B).

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. 8C).

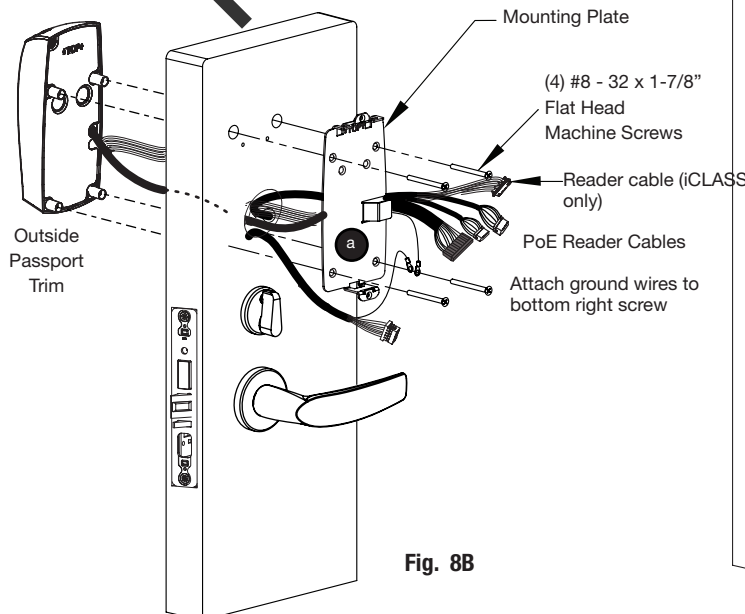


Fig. 8B

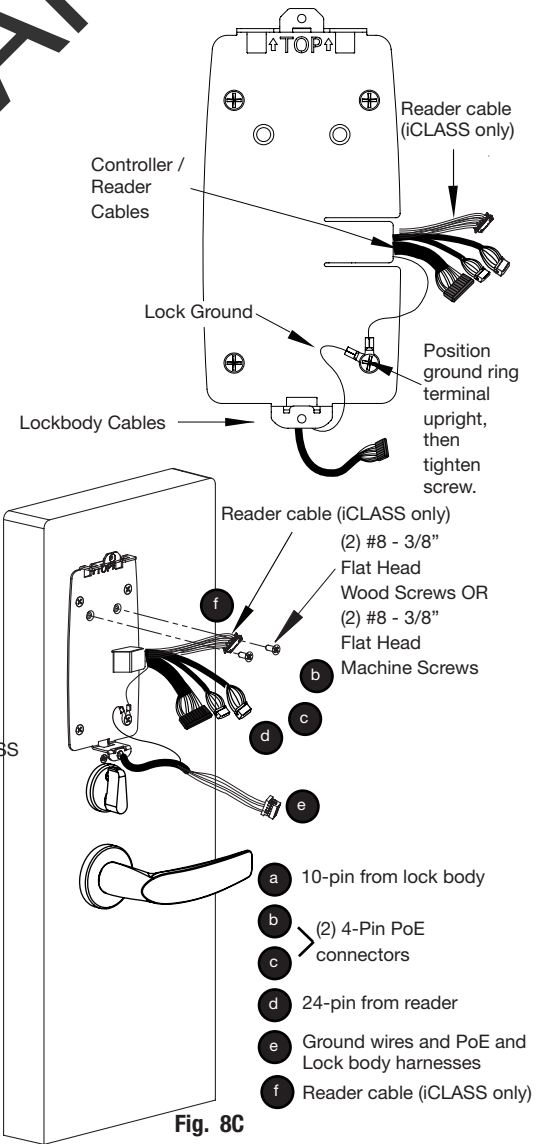


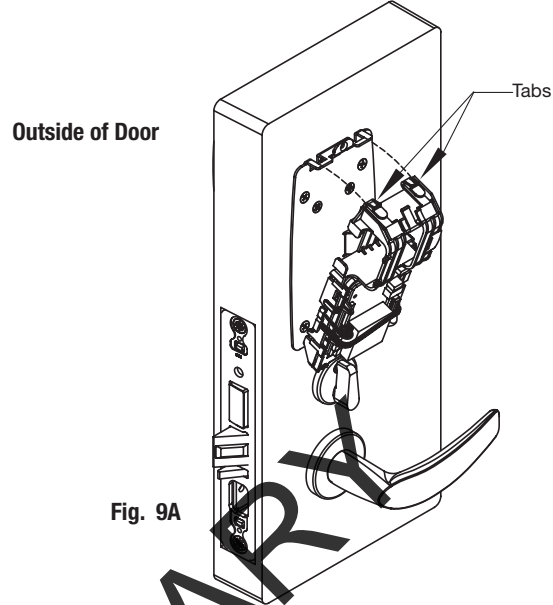
Fig. 8C

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9 Install Inside Module Component Assembly

Insert bottom of Module Component Assembly first (Fig. 9A), then clip top of Assembly to backplate, verifying both tabs attached securely.



10 Attach Connectors

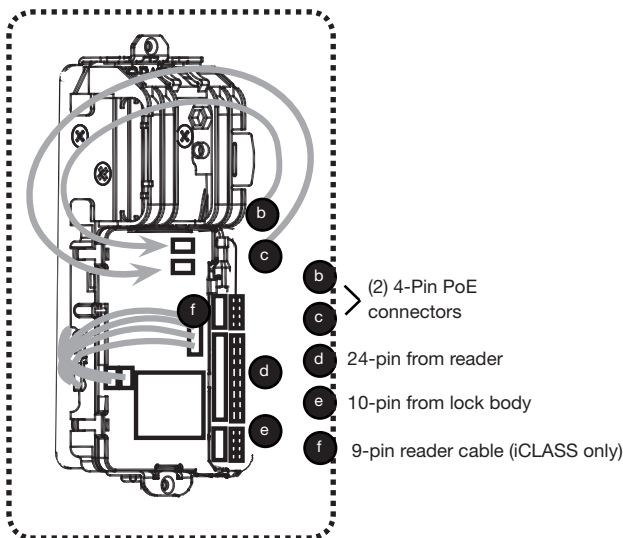
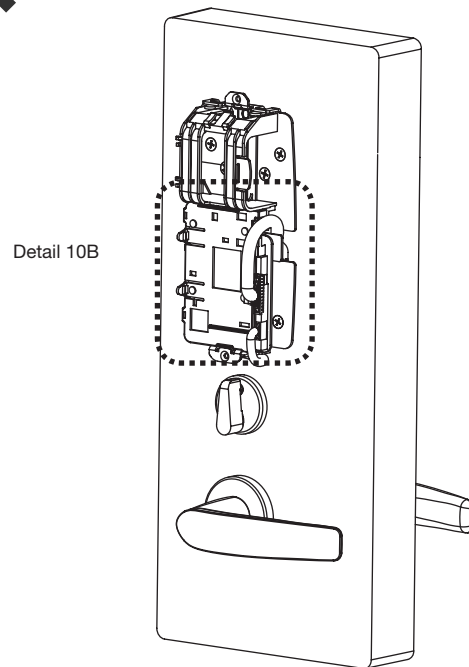
Secure the following connectors onto the circuit board (Fig. 10A and 10B):

1. Secure the 10-pin lock body assembly connector (e).
2. Secure the 24-pin keypad/card reader connector (d).
3. Secure two 4-pin PoE connectors (b and c).
4. Secure the iCLASS reader cable (f).

Route wires from behind backplate through battery compartment.

Notes:

- Connectors go on only one way.
- Do not force and do not offset connectors.
- Be sure the connectors are completely seated (flush).



11 Install Inside Escutcheon

1. Position inside escutcheon as shown (Fig. 11A).
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.

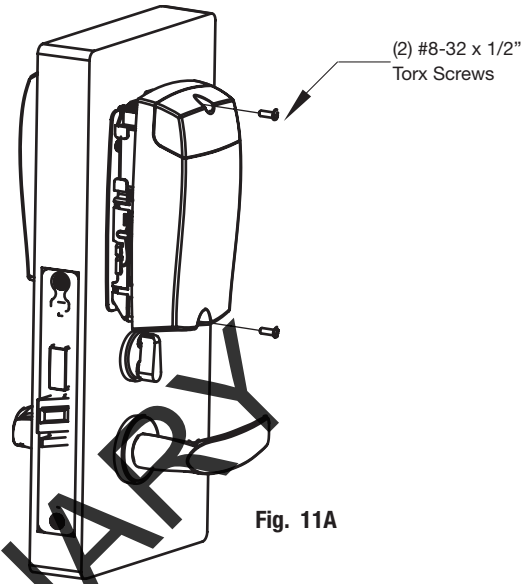


Fig. 11A

12 Attach Outside Front Plate

Attach front plate with (2) #8-32 X 1/4" flat head screws (Fig. 12A).

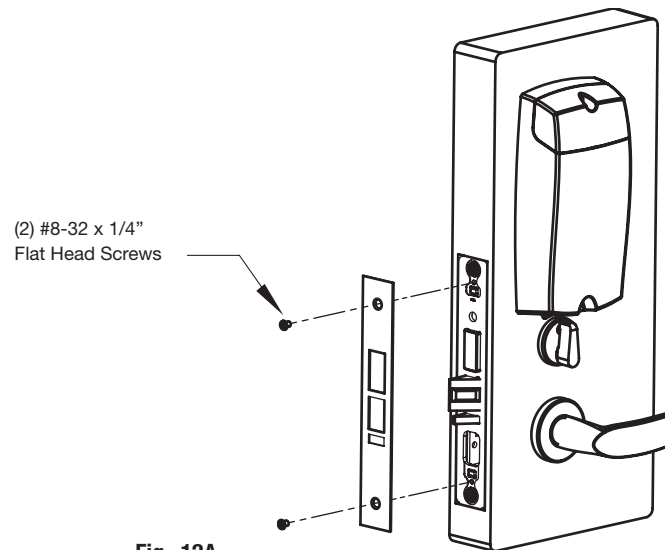


Fig. 12A

PRELIMINARY

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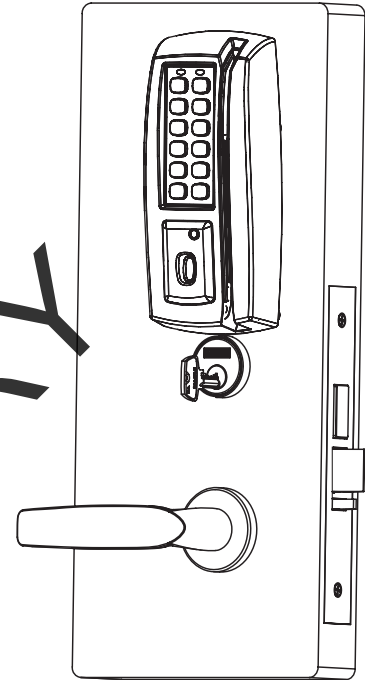
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9 Operational Check

IMPORTANT: Be sure to test functions prior to closing door.

In all cases, perform the following checks:

1. Ensure that inside lever retracts latch (and deadbolt for deadbolt functions).
 - For units with cylinders, the following checks apply:
Insert key into cylinder and rotate:
 - a. There should be no friction against lock case, wire harness, or any other obstructions. If friction or binding occurs, re-adjust cylinder and wiring harness to eliminate issues.
 - b. The key should retract the latch and the key should rotate freely.
 - c. The key should extend and retract the deadbolt.
 - 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 signalling:
 - After using a valid credential, a green flash followed by three fast amber flashes indicates a low power condition.
Check the input voltage.
If the input voltage is low, disconnect the lock from the power source and check the power source voltage. If the power source voltage is correct, inspect the lock wiring for a possible short.
 - If the lock loses power, it will flash rapid amber for approximately one minute.
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.



SARGENT®

ASSA ABLOY

PRELIMINARY

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Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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