

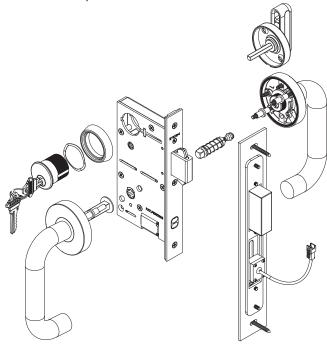
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Installation Instructions

PD97PT Electrified Mortise Lockset for Sliding Door

with Power Transfer with X Series Trim / Surface Pulls



PD97PT

This product has been tested and certified for UL1034 and UL294.

It is intended to be installed in accordance with the installation wiring diagram, mechanical assembly drawings provided with each product, the local authority having jurisdiction (AHJ) and the National Electric Code, NFPA 70. When installed in fail secure mode, the local authority shall be consulted with regard to the use of possible panic hardware to allow emergency exit from the secure area.

For UL294 compliance, the product is to be installed in the protected premises area. Only the lock-body was evaluated to UL1034, accessories are shown for reference only.

UL1034 Static and Dynamic Rating

Static Strength 500 lbs Dynamic Strength 70 ft lbs

Endurance 250K cycle of operations

UL 294 Performance Rating

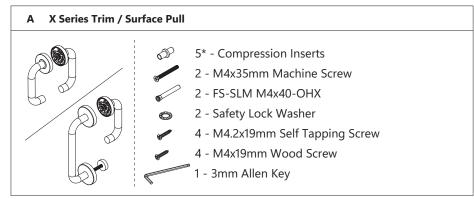
Level I - Line Security Level IV - Endurance

Level I - Standby Power

Level I - Attack

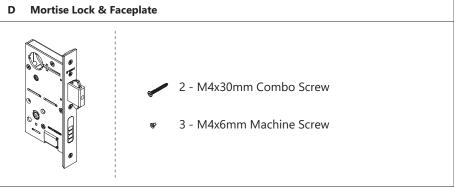


PD97PT Components List











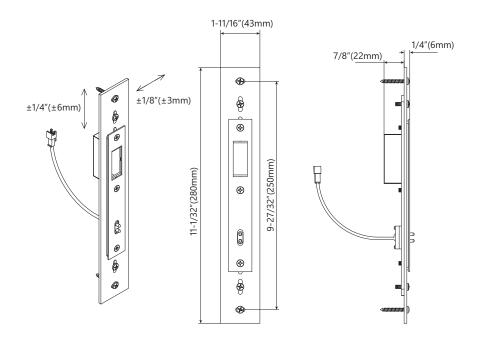


* Extra fasteners provided for convenience

	Part Lists	Privacy	Entry	Patio/Exit	Classroom
Α	X Series Trim / Surface Pull	1EA	1EA	1EA	1EA
В	Cylinder & Keys	-	1EA	-	1EA
С	Thumbturn	1EA	1EA	1EA	-
D	Mortise Lock & Faceplate	1EA	1EA	1EA	1EA
Е	Coin Turn	1EA	-	-	-
F	Strike Plate w/ Dust Box	1EA	1EA	1EA	1EA

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Dimensions for Adjustable Strike: PD97PT Series with X Series Trim



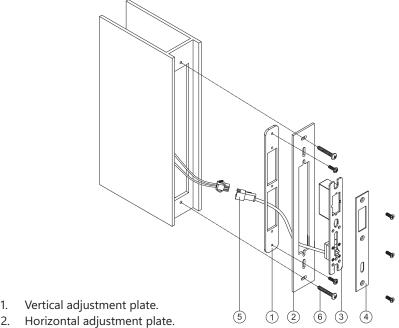
The INOX 3D Adjustable Strike offers a distinctive, patent pending construction that allows adjustment of the dust box.

The optional INOX 3D Adjustable Strike gives the installer the ability to fine-tune the gap between door and frame with a simple adjustment of the built-in strike screws, ensuring a perfect fit.

- · Can be adjusted before or after installation
- · No modification to the door frame is necessary for adjustment
- Dust box remains locked in place while the faceplate is adjustable in 3 directions
- Once set, our unique slotted system holds the dust box and faceplate rigid for smooth door opening and closing.
- With INOX Adjustable strike, the plate screws pull the lock/door closer to the frame to minimize the gap, or widen the gap between door and frame to allow tolerances for weather striping.
- INOX Adjustable Strikes ensure perfect fit with easy installation.



Installation Instructions for PD97PT Strike:



Note: The vertical and horizontal adjustment plates are connected using (2) M4x12mm Pan Head Machine Screws.

- 3. Install the strike box into the assembled vertical and horizontal adjustment plates.
- 4. Install the Strike Faceplate using (3) M4x12mm Machine Screws.
- 5. Wire/Connect the Monitor plug.
- 6. Strike Box position can be adjusted within the frame; the two brackets allow for 6mm of vertical adjustability and 3mm of horizontal adjustability.

Note: It's important to perfectly align the strike with the lock body. All pogo pins (on strike) must be perfectly aligned with the magnetic contacts (on lock face). Strike box (on strike) must be perfectly aligned with the deadbolt (from lock).

7. Once alignment is confirmed, use the M4 x 30mm Combo Screws to secure the adjustable brackets and strike into the door frame.

Electrical rating for this product = Lock / Strike Rated 10-26VDC 1.5 Amps.

Door Position Switch (DPS): Deadbolt Monitoring Switch (DBM): Request to Exit (REX): Max Voltage 30VDC

250K cycles of operation resistive load

Max Current: 1.5A

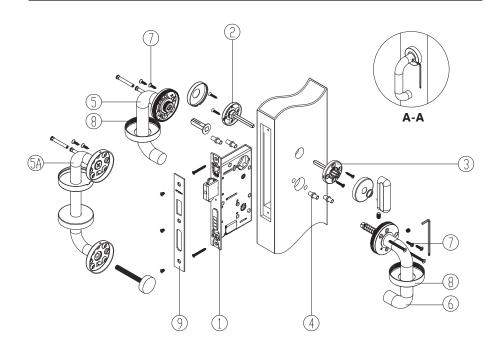
For UL compliance the product is to be powered via a UL 294 or UL 603 or UL 2610 power supply with a class 2 power limited output suitable for the power requirement of the product.

This product for UL compliance shall be used with UL Listed access control and burglar alarm control panels / peripheral devices.

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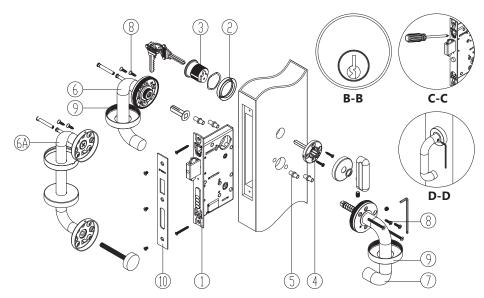


Installation Instructions for Privacy Function: PD97PT40 with X Series Trim or Surface Pulls



- Install the lockcase into the door and then tighten the M4x30mm combo screws.
- 2. Install outside thumbturn release sub-rose and tighten M4x19mm screws.
- Mount inside privacy thumbturn rose with M4x19mm screws. Mount rose cover and clear washer before mounting thumbturn piece. Use Allen Key to tighten set screws. Mount the outside thumbturn release rose cover.
 - **Thumbturn is only available in round version**
- 4. Install the compression inserts on both sides.
- 5. Install the outside X series trim and insert the FS-SLM M4x40-OHX nuts. Do not tighten the set screws.
- 5A. Alternative Option: Install outside surface pull without spindle and do not tighten the set screws.
- 6. Install inside X series trim and tighten the M4x35mm screws.
- 7. Install the XRA trim. For wooden doors, use M4x19mm wood screws on both the inside and outside door bases; for metal doors, use M4.2x19mm self-tapping screws. *If installing and XGT trim, these screws are not required.
- 8. Install the inside and outside rose covers.
 - **NOTE:** After the lever is installed, fully tighten the set screws for both inside and outside trim. See A-A.
- 9. Install armored faceplate with M4 screws.

Installation Instructions for Entry Function: PD97PT50 with X Series Trim or Surface Pulls



- 1. Install the Lockcase into the door and then tighten the M4x30mm combo screws.
- 2. Screw on outside cylinder escutcheon ring with spacer.
- 3. Install mortise cylinder.

NOTE: Key slot on cylinder should be on lower center position. See B-B. Using a screwdriver, tighten the M4 screws on the lockcase to position the cylinder into place. See C-C.

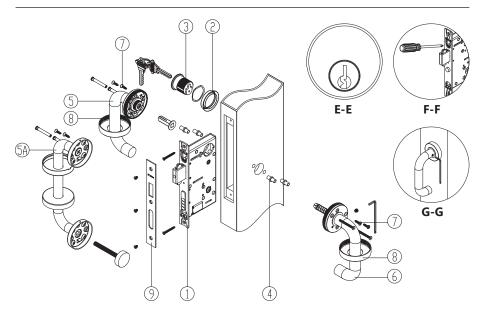
- 4. Mount inside privacy thumbturn rose with M4x19mm screws. Mount rose cover and clear washer before mounting thumbturn piece. Use Allen Key to tighten set screws. Mount the outside thumbturn release rose cover.
 - **Thumbturn is only available in round version**
- 5. Install the compression inserts on both sides.
- 6. Install the outside X series trim and insert the FS-SLM M4x40-OHX nuts. Do not tighten the set screws.
- 6A. Alternative Option: Install outside surface pull without spindle and do not tighten the set screws.
- 7. Install inside X series trim and tighten the M4x35mm screws.
- 8. Install the XRA trim. For wooden doors, use M4x19mm wood screws on both the inside and outside door bases; for metal doors, use M4.2x19mm self-tapping screws. *If installing an XGT trim, these screws are not required.
- 9. Install the inside and outside rose covers.
 - **NOTE:** After the lever is installed, fully tighten the set screws for both inside and outside trim. See D-D.
- 10. Install armored faceplate with M4 screws.

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Installation Instructions for Classroom Function: PD97PT70 with X Series Trim or Surface Pulls



- 1. Install the Lockcase into the door and then tighten the M4x30mm combo screws.
- 2. Screw on outside cylinder escutcheon ring with spacer.
- 3. Install mortise cylinder.

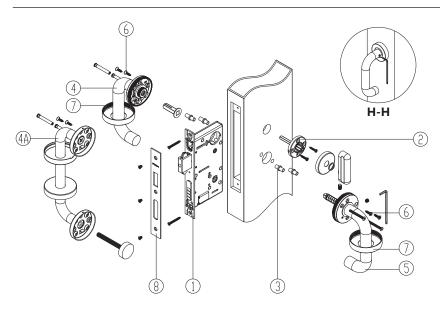
NOTE: Key slot on cylinder should be on lower center position. See E-E. Using a screwdriver, tighten the M4 screws on the lockcase to position the cylinder into place. See F-F.

- 4. Install the compression inserts on both sides.
- 5. Install the outside X series trim and insert the FS-SLM M4x40-OHX nuts. Do not tighten the set screws.
- *5A.* Alternative Option: Install outside surface pull without spindle and do not tighten the set screws.
- 6. Install inside X series trim and tighten the M4x35mm screws.
- 7. Install the XRA trim. For wooden doors, use M4x19mm wood screws on both the inside and outside door bases; for metal doors, use M4.2x19mm self-tapping screws. *If installing an XGT trim, these screws are not required.
- 8. Install the inside and outside rose covers.

NOTE: After the lever is installed, fully tighten the set screws for both inside and outside trim. See G-G.

9. Install armored faceplate with M4 screws.

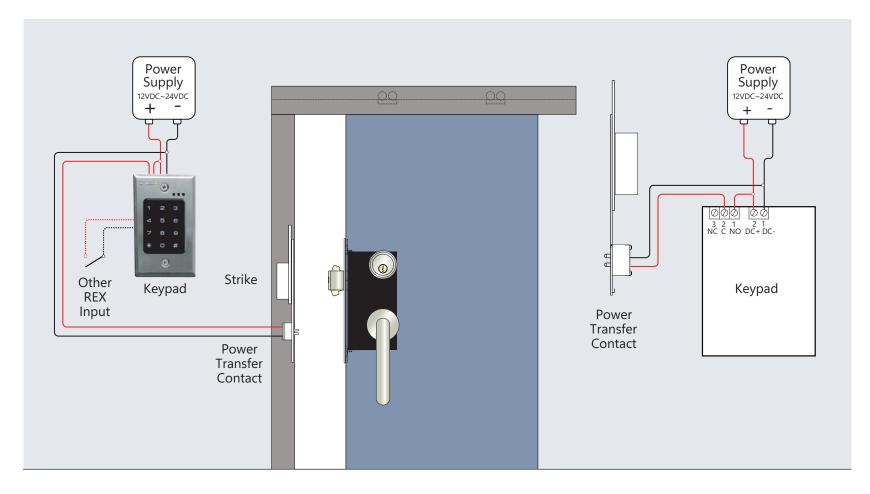
Installation Instructions for Patio/Exit Function: PD97PT60 with X Series Trim or Surface Pulls



- 1. Install the Lockcase into the door and then tighten the M4x30mm combo screws.
- 2. Mount inside privacy thumbturn rose with M4x19mm screws. Mount rose cover and clear washer before mounting thumbturn piece. Use Allen Key to tighten set screws. Mount the outside thumbturn release rose cover.
 - **Thumbturn is only available in round version**
- 3. Install the compression inserts on both sides.
- 4. Install the outside X series trim and insert the FS-SLM M4x40-OHX nuts. Do not tighten the set screws.
- 4A. Alternative Option: Install outside surface pull without spindle and do not tighten the set screws.
- 5. Install inside X series trim and tighten the M4x35mm screws.
- Install the XRA trim. For wooden doors, use M4x19mm wood screws on both the inside and outside door bases; for metal doors, use M4.2x19mm self-tapping screws
 - *If installing an XGT trim, these screws are not required.
- 7. Install the inside and outside rose covers.
 - **NOTE:** After the lever is installed, fully tighten the set screws for both inside and outside trim. See H-H.
- 8. Install armored faceplate with M4 screws.

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For UL294 compliance the product is to be installed in the protected premises area.

PD97PT Electrified Locks are designed to operate at 12/24V. INOX breakdown of individual items:

Lock Body Strike 560mA 40 mA For UL compliance the product is to be powered via a UL294 or UL603 or UL2610 power supply with a class 2 power limited output suitable for the power requirement of the product.

Door Position Switch (DPS) 250K cycles of operation resistive load

Optional Accessories:





Handwave

Keypad

Accessories are shown for reference only and not evaluated for UL294 or UL1034.

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