



PD97PT

Electrified Mortise Locks with Power Transfer for Sliding Doors

- Motor-driven electrified mortise lock supports touchless locking and unlocking compatibility
- Power transfer occurs on contact between the strike and lock, allowing for streamlined installation and eliminating cross-drilling through the door
- Compatible with access control relays and control units

SPECIFICATIONS

| | |
|----------------------------------|---|
| Door Thickness | 1-3/4" (45mm) Standard 1-3/8" (35mm) Thin Door Kit available for XGT only 2" to 2-1/4" (50mm to 57mm) Thick Door Kit available |
| Backset | 2-3/4" (70mm) 2-1/2" (63.5mm) |
| Lever Spindle | 8 x 8mm square |
| Thumb-turn Spindle | 5 x 5mm square |
| Center to Center Distance | Lever to Cylinder: 3-7/8" (98mm) Lever to Thumbturn: 2-11/16" (68mm) |
| Handing | Specify handing when ordering |
| Cylinder | Schlage C keyway 6 pin, 1-1/4" mortise cylinder with 2 keys (standard). Optional SFIC and LFIC housing and cores available |
| CAM | CAM01-SCL Clover Cam |
| Material | Trim: Stainless Steel Lockcase: Heavy gauge Steel Bolt: Brass and Stainless Steel Faceplate/Strike: Stainless Steel Cylinder: Solid Brass |

ELECTRICAL SPECIFICATIONS

Maximum current for individual parts when in operation at 12/24V:

Lock Body ≤560 mA

Keypad ≤90 mA

Strike ≤40 mA



CODE COMPLIANCE

- UL1034 Burglary-Resistant Electric Locking Mechanisms
- UL294 Standard for Access Control System Units
- ANSI/BHMA A156.25 Electrified Mortise Locks
- ANSI/BHMA A156.18 Finishes
- ANSI A117.1 ADA Accessibility

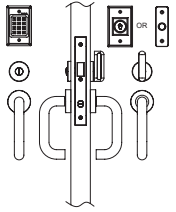
FINISH

- 32D Satin Stainless Steel
- 32 Bright Stainless Steel
- 19G Graphite Black
- PVD4 Satin Brass available in 205, 221, 243, 244, 276, 318, 319, 320, 321, 345, 346 and 509 designs
- CeraMax Ceramic Coating: C19G Graphite Black, C19 Flat Black, CGY Stormy Grey, CDB Dark Bronze
- Please see Finish Solutions on INOX website for special order finishes

PD97PT POWER TRANSFER ELECTRIFIED MORTISE LOCK

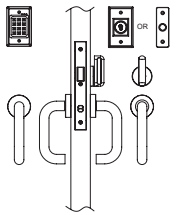
FUNCTION

PD97PT functions are **Fail Neutral**: During loss of power, if deadbolt is in locked position, lock will remain mechanically secure; if deadbolt is in unlocked position, door will remain unlocked



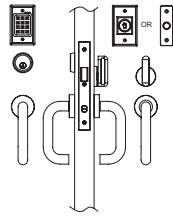
Privacy 40

- Deadbolt projected/retracted by built-in stepper motor when energized by 12/24V DC power transferred through contacts on lock and strike
- Thumbturn inside throws/retracts deadbolt to lock/unlock door
- Outside emergency coin release unlocks outside lever then outside lever retracts bolt
- Inside lever always unlocks deadbolt for emergency egress



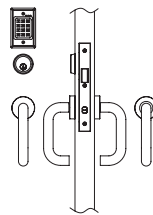
Patio/Exit 60

- Deadbolt projected/retracted by built-in stepper motor when energized by 12/24V DC power transferred through contacts on lock and strike
- Thumbturn inside throws/retracts deadbolt to lock/unlock door
- Outside lever is rigid at all times
- Inside lever always unlocks deadbolt for emergency egress



Entry / Office 50

- Deadbolt projected/retracted by built-in stepper motor when energized by 12/24V DC power transferred through contacts on lock and strike
- Insert and turn key from outside to throw/retract deadbolt to lock/unlock door
- Thumbturn inside throws/retracts deadbolt to lock/unlock door
- Outside lever is rigid at all times
- Inside lever always unlocks deadbolt for emergency egress
- Optional access control relay device provide authentication or triggering for power transfer to lock



Classroom 70

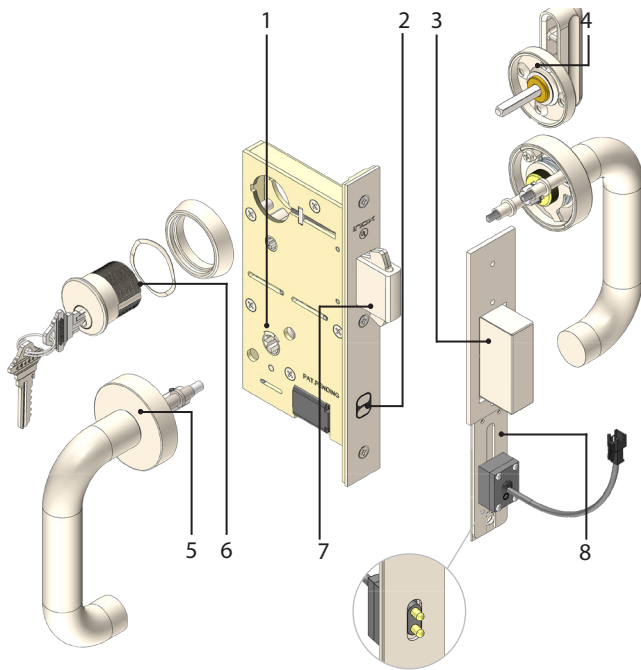
- Deadbolt projected/retracted by built-in stepper motor when energized by 12/24V DC power transferred through contacts on lock and strike
- Insert and turn key from outside to throw/retract deadbolt to lock/unlock door
- Door cannot be locked from inside
- Outside lever is rigid at all times
- Inside lever always unlocks deadbolt for emergency egress

FUNCTION TABLE

| | Entry / Office | Classroom | Privacy | Patio/Exit |
|-------------------------------------|----------------|-----------|---------|------------|
| Outside Lever | ✓ | ✓ | ✓ | ✓ |
| Inside Lever | ✓ | ✓ | ✓ | ✓ |
| Lockcase | ✓ | ✓ | ✓ | ✓ |
| Cylinder | ✓ | ✓ | ✗ | ✗ |
| Coin Turn | ✗ | ✗ | ✓ | ✗ |
| Inside Thumbturn | ✓ | ✗ | ✓ | ✓ |
| Access Control Optional Accessories | | | | |
| Power Supply | ✓ | ✓ | ✓ | ✓ |
| Keypad | ✓ | ✓ | ✓ | ✓ |
| Push Button | ✓ | ✗ | ✓ | ✓ |
| Handwave | ✓ | ✗ | ✓ | ✓ |

PD97PT POWER TRANSFER ELECTRIFIED MORTISE LOCK

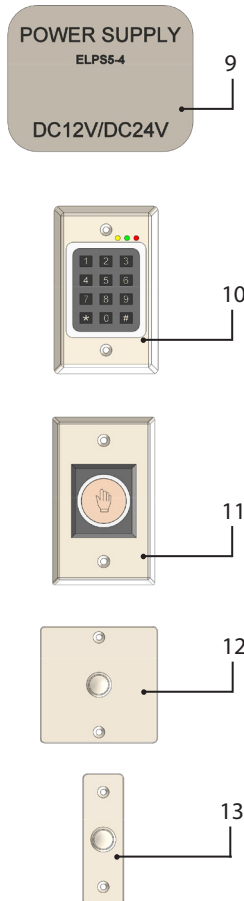
COMPONENTS



Description

- | | |
|---|---|
| 1 | PD97PT lockcase and faceplate; 2-3/4" backset PD97PT-234 or 2-1/2" backset PD97PT-212 |
| 2 | Power Transfer Contact |
| 3 | 1/4" (6.35mm) adjustable strike |
| 4 | Compliant thumbturn |
| 5 | Heavy-duty stainless steel cast rose with choice of X Series lever design |
| 6 | Schlage C keyway, 6 pin 1-1/4" mortise cylinder |
| 7 | 1" (25.4mm) heavy-duty brass bolt throw with self-retracting non-marring hooks |
| 8 | Power Transfer Strike with spring-loaded prongs PD97PT-ADJ-STRK 6-9/16"x1"x1-3/16" |

Optional INOX Access Control Accessories

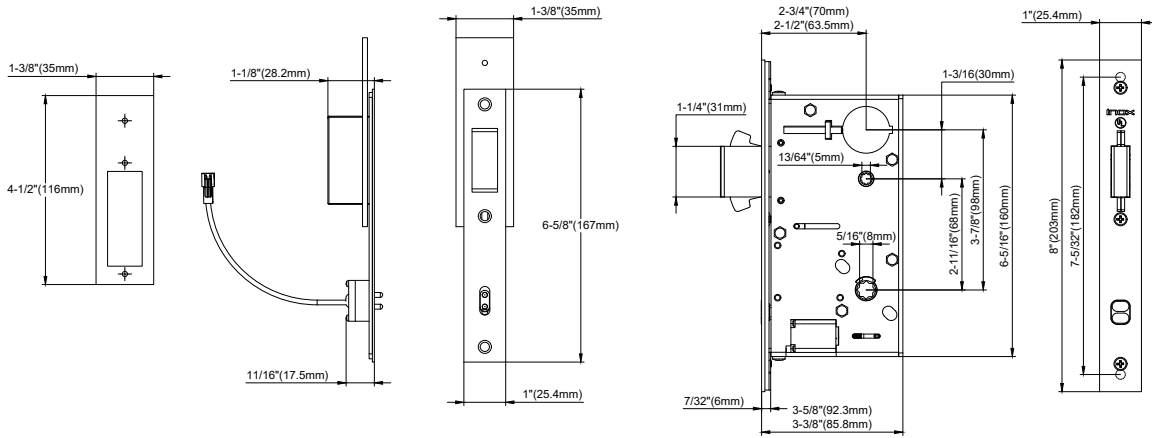


Optional Accessories, use the part numbers below as new line items.

- | | |
|----|---|
| 9 | INX-ELPS5-4 Power Supply with built-in surge protection, Voltage: 2A@12/24V DC, Dimension: 11"x11"x4" |
| 10 | AC-KP1200 Stainless Steel keypad faceplate for indoor electrically locked door application, Voltage: 12/24V DC, Dimension: 4-1/2"x 2-3/4"x1-1/4" |
| 11 | AC-IR1100 Handwave sensor with illuminated display, Voltage: 2A@12/24V DC, Dimension: 4-1/2"x2-3/4"x1" |
| 12 | AC-PB200 Wide Push Button with illuminated display, Dimension: 3-3/8"x3-3/8"x3/4" |
| 13 | AC-PB100 Narrow Push Button with no illuminated display, Dimension: 3-1/2 x1-1/8"x1" |

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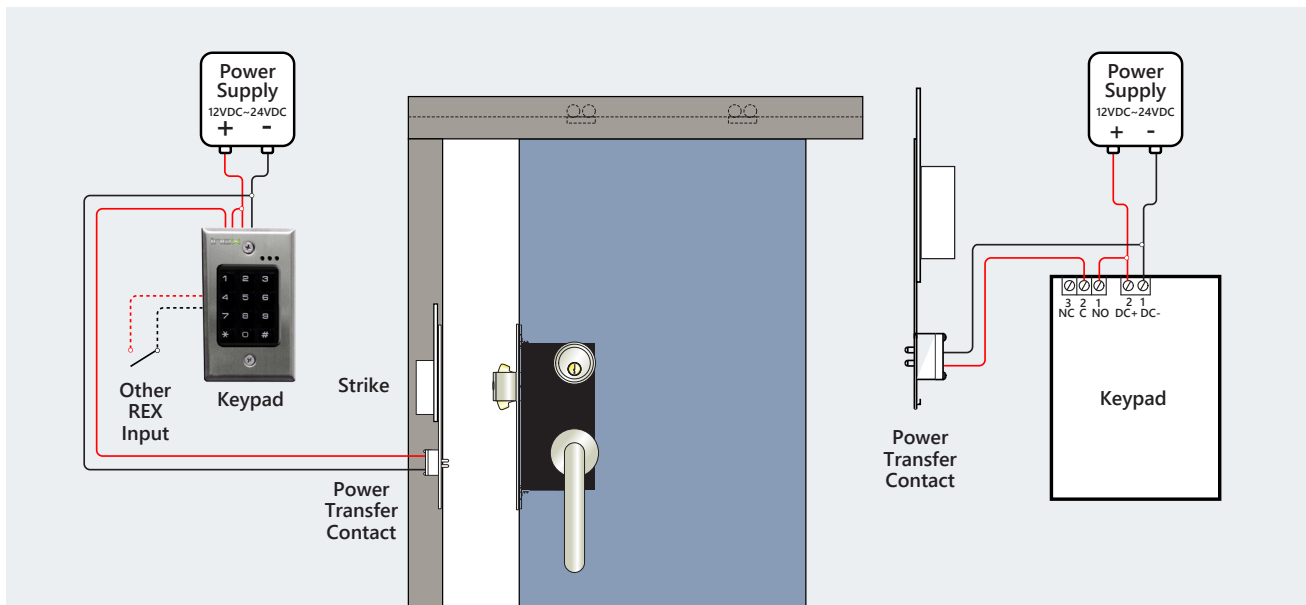
DIMENSIONS



NOTE: PD97PT locks only require 3~6 seconds of continuous power to engage or retract deadbolt; time varies subject to soft close or weatherstripping conditions on sliding door. Continuous power longer than required will damage the motor, so make certain that your connected relay has a timed function.

PD97PT POWER TRANSFER ELECTRIFIED MORTISE LOCK

WIRING DIAGRAM



This product for UL compliance shall be used with UL Listed access control and burglar alarm control panels / peripheral devices. Accessories are shown for reference only and not evaluated for UL294 or UL1034.

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

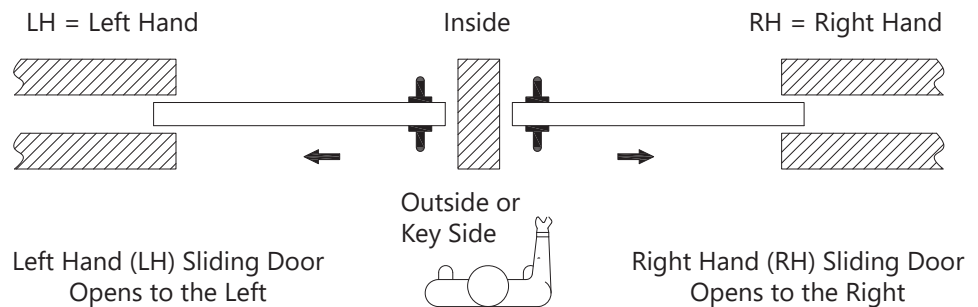
| | |
|-----------|--------|
| Lock Body | ≤560mA |
| Strike | ≤40 mA |

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

HANDING

- Handing refers to the direction the door slides open. Example: If the door slides to the left to open, it is a left-handed door.
- Handing is determined from the exterior or key side of the door when facing into the room.



TRIM AND THUMBTURN OPTIONS

ROSE & LEVER DESIGN



XGT Rose



XGS Rose

*Return-to-Door Lever Designs comply with California and other state building codes for door openings



201 Cologne



202 Munich*



205 Frankfurt



221 Aurora



243 Sunrise



244 Twilight*



276 Plaza



318 Café



319 Hampton



320 Empire



321 Valencia*



345 Tokyo



346 Osaka*



509 Stuttgart*

THUMBTURN OPTIONS



1



2



3



4



5



6

| Ref. | Description | Part Number |
|------|--------------------------------------|-------------|
| 1 | TT02 Thumbturn in Round Rosette | GR02 |
| 2 | TT02 Thumbturn in Square Rosette | SR02 |
| 3 | TT04 Thumbturn in Round Rosette | GR04 |
| 4 | TT04 Thumbturn in Square Rosette | SR04 |
| 5 | ADA TT07 Thumbturn in Round Rosette | GR07 |
| 6 | ADA TT07 Thumbturn in Square Rosette | SR07 |

PD97PT POWER TRANSFER ELECTRIFIED MORTISE LOCK

ELECTRIFIED LOCKS COMPARISON

| Trim | PD97 | PD97PT | PD97ATL | PD97ES |
|--|------|--------|---------|--------|
| X Series Trim | ✓ | ✓ | ✓ | ✓ |
| Outside Surface Pull with Inside Lever for Egress | ✓ | ✓ | ✓ | ✓ |
| Performance Capabilities | | | | |
| Touchless Unlocking | ✓ | ✓ | ✓ | ✓ |
| Built-in Power Transfer within Lockset | ✗ | ✓ | ✓ | ✓ |
| Self-latching/Auto-locking* | ✗ | ✗ | ✓ | ✓ |
| Auto-locking with Monitoring Panel | ✗ | ✗ | ✗ | ✓ |
| Compliance Certification | | | | |
| UL294 Safety and Security for Access Control System | ✗ | ✓ | ✓ | ✓ |
| UL1784 Air Leakage Test for Draft, Smoke Door Assembly | ✗ | ✗ | ✓ | ✓ |
| UL1034 Burglary Resistant Electric Lock Mechanism | ✓ | ✓ | ✓ | ✓ |
| ANSI/BHMA A156.25 Electrified Locking Device | ✓ | ✓ | ✓ | ✓ |


















* Passage or Office Function only



PD97PT POWER TRANSFER ELECTRIFIED MORTISE LOCK

HOW TO ORDER LOCKSETS

Use the sequence below to order mortise locksets specification. Please see price book for parts or additional service upcharge.

| Rose | Lever | Lock | Function | Backset | Cylinder | Thumbturn | Finish | Handing |
|---|---|--|-----------|----------|--|--------------|-------------|------------|
| XGT | 243 | -PD97PT | 50 | A | -S6 | -GR04 | -32D | -LH |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| ROSE | LEVER | LOCK | | | FUNCTIONS | | | |
|   |      |  | | | 40 Privacy 50 Entry/Office 60 Patio/Exit 70 Classroom | | | |
| XGT XGS | 201 202 205 221 243 | | | | | | | |
| |      | | | | | | | |
| | 244 276 318 319 320 | | | | | | | |
| |     | | | | | | | |
| | 321 345 346 509 | | | | | | | |
| | | 5 BACKSET | | | | | | |
| | | Backset Blank = 2-3/4" | | | | | | |
| | | Backset A = 2-1/2" | | | | | | |

6 CYLINDER AND HOUSING (INCLUDES COLLAR)

LC = Less Cylinder



Blank = Standard Mortise 1-1/4" Cylinder



-S6 = Small Format Interchangeable Cylinder (SFIC) Housing 1-1/4", 6-Pin, Less Core, L Clover Cam

-S7 = Small Format Interchangeable Cylinder (SFIC) Housing 1-3/8", 7-Pin, Less Core, L Clover Cam

-L6 = Large Format Interchangeable Cylinder (LFIC) Housing 1-1/2", 6-Pin, Less Core, L Clover Cam



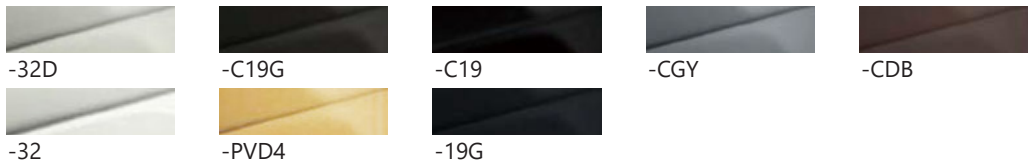
Order IC Cores and Thick Door Kits (TDKs) separately - See Price Book

7 THUMBTURN



8 FINISH

Standard:



PVD4 is available for 205, 221, 243, 244, 276, 318, 319, 320, 321, 345, 346 and 509 lever designs.

9 HANDING

-RH = Right Hand

-LH = Left Hand