

PD97PT

ELECTRIFIED MORTISE LOCK WITH POWER TRANSFER AUTO-LOCKING FOR SLIDING DOORS

Low voltage power supplied directly from the strike to the lock faceplate for fast and easy installation. No drilling of wiring channels through door or hinges required.



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

ELECTRICAL SPECS

Lock Body	≤560 mA
Keypad	≤90 mA
Strike	≤40 mA

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

FINISHES



FEATURES

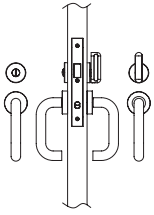
- Motor-driven electrified mortise lock supports touchless locking and unlocking compatibility
- Power transfer occurs on contact between the strike and lock, allowing for streamlined installation and eliminating cross-drilling through the door
- Compatible with access control relays and control units
- Compliant with UL Standards for UL294 (Safety Access Control System Units) Testing

SPECIFICATIONS

Door Thickness	1-3/4" (45mm) Standard
	1-3/8" (35mm) Thin Door Kit
	2" to 2-1/4" (50mm to 57mm); Thick Door Kit available
Backset	2-3/4" (70mm)
	2-1/2" (63.5mm)
Spindle Hub Size	Lever: 8mm x 8mm square
	Thumbturn: 5mm x 5mm square
Center-to-Center Distance	Lever to Cylinder: 3-7/8" (98mm)
	Lever to Thumbturn: 2-11/16" (68mm)
Cylinder	Schlage C keyway 6 pin
	1-1/4" mortise cylinder w/ 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 Cylinder: Solid Brass
	Faceplate/Strike: Stainless Steel

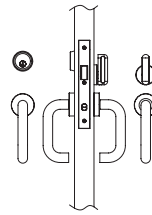
FUNCTIONS

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.



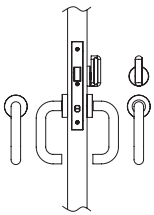
PRIVACY 40

- 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



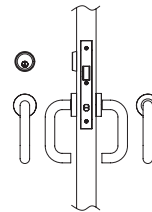
ENTRY / OFFICE 50

- 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



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



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 TABLES

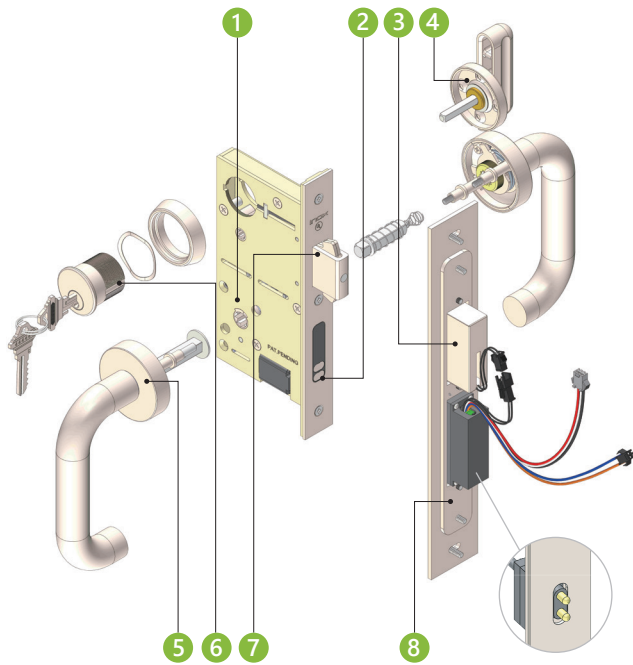
MAIN FEATURES

	Entry/Office	Classroom	Privacy	Patio/Exit
Outside Lever	✓	✓	✓	✓
Inside Lever	✓	✓	✓	✓
Lockcase	✓	✓	✓	✓
Cylinder	✓	✓	X	X
Coin Turn	X	X	✓	X
Thumbturn	✓	X	✓	✓

OPTIONAL ACCESSORIES

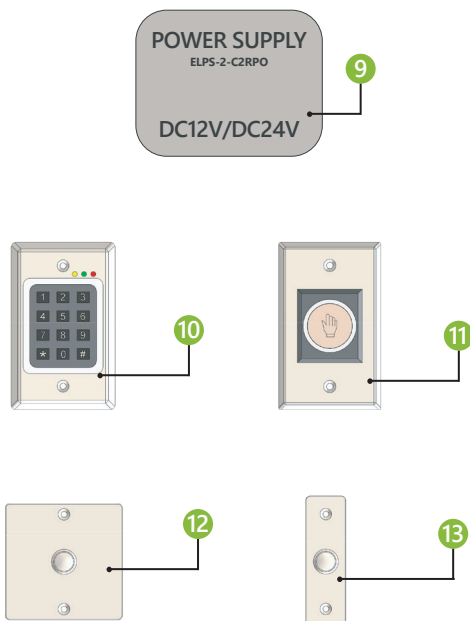
	Entry/Office	Classroom	Privacy	Patio/Exit
Power Supply	✓	✓	✓	✓
Keypad (Relay)	✓	✓	✓	✓
Push Button	✓	X	✓	✓
Handwave	✓	X	✓	✓

COMPONENTS



- 1 PD97PT lockcase and faceplate
PD97PT-234 2-3/4" backset or
PD97PT-212 2-1/2" backset
- 2 Power Transfer Contact
- 3 3D Adjustable Strike with reinforcement plate for door frame
 - Up and down adjustment is $\pm 1/4"$
 - Left and right adjustment is $\pm 1/8"$
 - Front and back adjustment is by adding $\pm 3/64"$ spacers
- 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

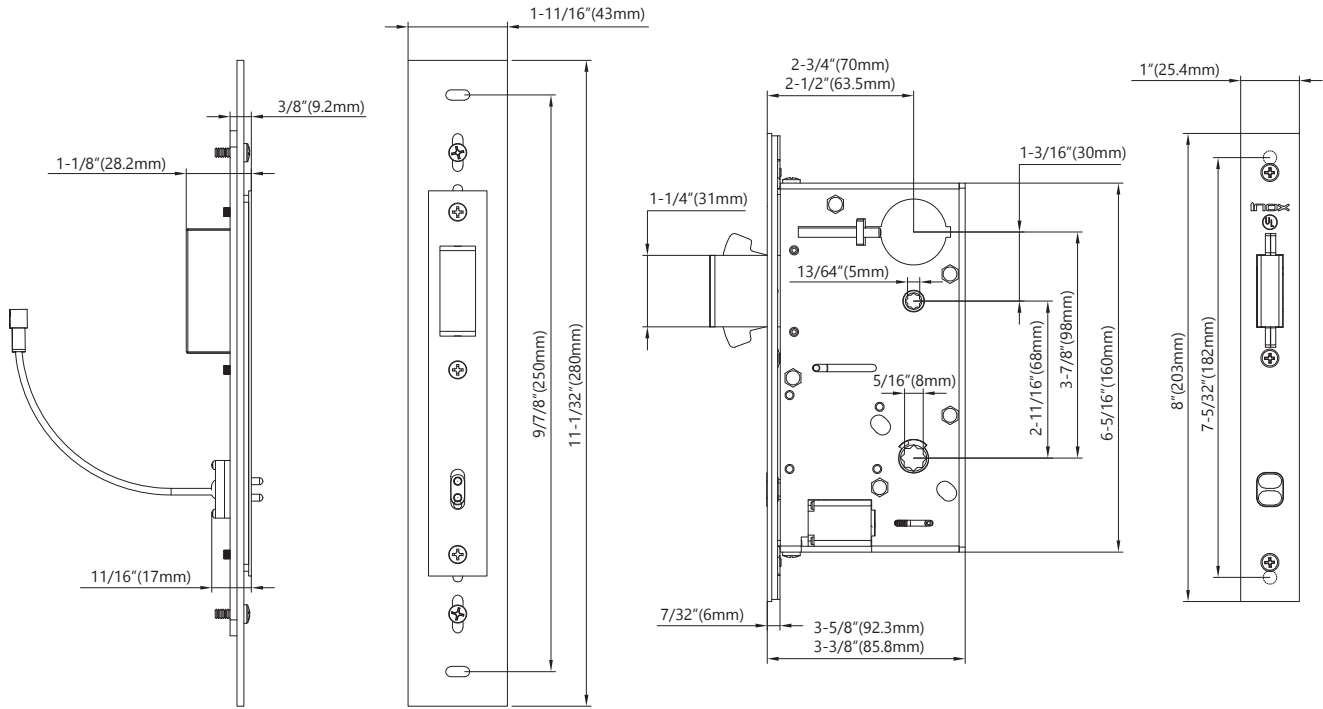
OPTIONAL INOX ACCESS CONTROL ACCESSORIES



- 9 **INX-ELPS-2-C2RPO** Power Supply with built-in surge protection, Voltage: 1.75A @ 12/24V DC, 1.75A @ 115VAC
- 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" x 1-1/4"
- 11 **AC-IR1100** Handwave sensor with illuminated display
Voltage: 2A @ 12/24V DC Dimension: 4-1/2" x 2-3/4" x 1"
- 12 **AC-PB200** Wide Push Button with illuminated display
Dimension: 3-3/8" x 3-3/8" x 3/4"
- 13 **AC-PB100** Narrow Push Button with no illuminated display
Dimension: 3-1/2" x 1-1/8" x 1"

*Order as a separate line item.

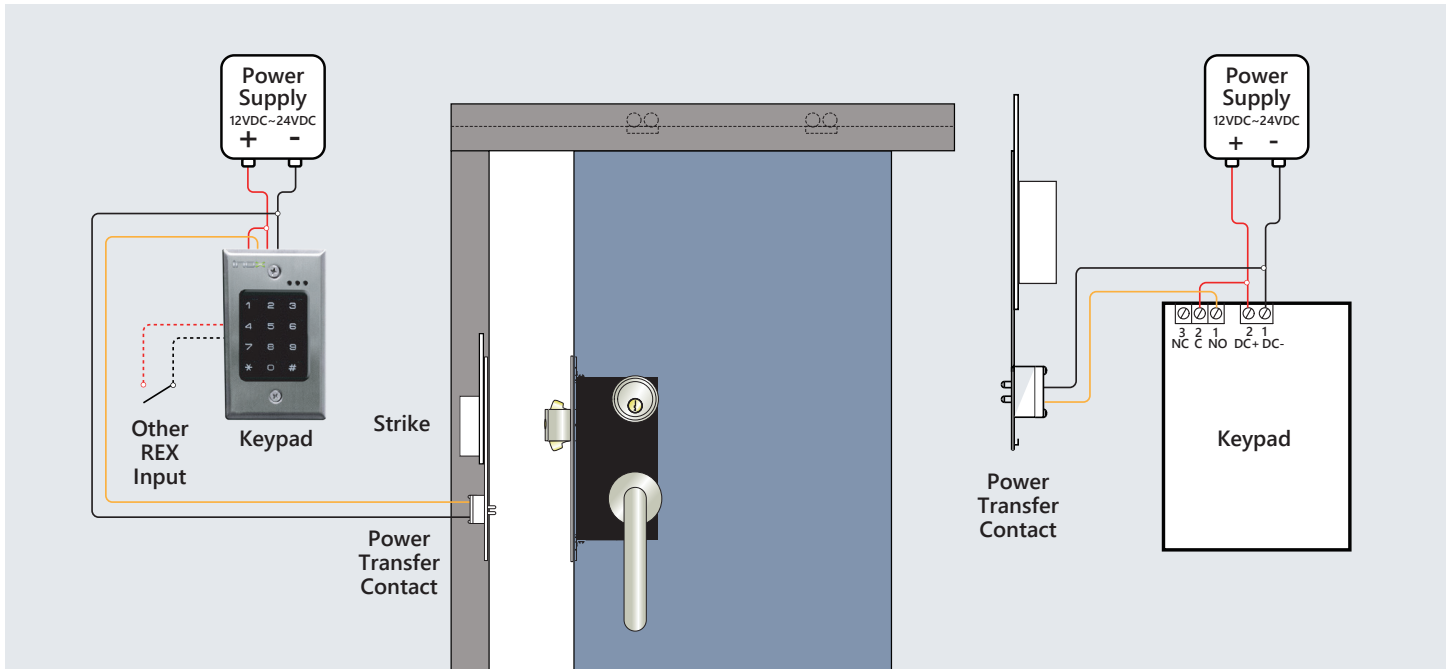
DIMENSIONS



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.

**Available finishes in Stainless Steel (32D), Graphite Black (19G), CeraMax Graphite Black (C19G), CeraMax Flat Black (C19), CeraMax Stormy Grey (CGY), CeraMax Dark Bronze (CDB), CeraMax Burnt Bronze (CBB). Please see Finish Solutions on INOX website for special order finishes.*

WIRING DIAGRAM: ENTRANCE 53 FUNCTION



For UL compliance, this product shall be used with UL Listed access control and buglar 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:

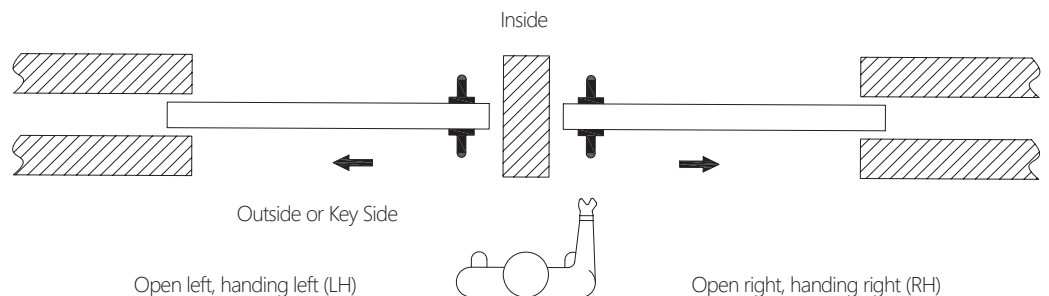
- Lock Body ≤ 560 mA
- Strike ≤ 40 mA

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) and the Deadbolt Monitoring Switch (DBM) with operation resistive load of 250K cycles.

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.
- Determine door direction from the exterior or key side of the door when facing into the room.



ROSE & LEVER DESIGNS



XRA ROSE
*XGT available upon request.

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



101 COLOGNE



102 MUNICH*



105 FRANKFURT



221 AURORA



243 SUNRISE



244 TWILIGHT*



276 PLAZA



318 CAFÉ



319 HAMPTON



320 EMPIRE



321 VALENCIA*



345 TOKYO



346 OSAKA*



109 STUTTART*

THUMBTURN OPTIONS

46MM DIAMETER



1



2



3

53MM DIAMETER



1



2



3

REF	DESCRIPTION	PART NUMBER
1	TT02 Thumbturn in Round Rosette	GR02
2	TT04 Thumbturn in Round Rosette	GR04
3	ADA TT07 Thumbturn in Round Rosette	GR07

REF	DESCRIPTION	PART NUMBER
1	TT02 Thumbturn in Round Rosette	GT02
2	TT04 Thumbturn in Round Rosette	GT04
3	ADA TT07 Thumbturn in Round Rosette	GT07

ELECTRIFIED LOCKS COMPARISON

LOCK SERIES	PD97	PD97PT	PD97ATL	PD97ATLC1	PD97ES
Interior Emergency Egress	✓	✓	✓	✓	✓
Easy Zero-Door-Channel Installation	X	✓	✓	✓	✓
Anti-Binding Winged Hook Bolt	✓	✓	✓	✓	✓
Auto-Latching, Auto-Locking	✓	✓	✓	✓	✓
Deadbolt Monitoring Switch (DBM)	X	X	X	✓	✓
Lever Positioning Switch (REX)	X	X	X	X	✓
Door Positioning Switch (DPS)	X	X	✓	✓	✓
ANSI/BHMA A156.25 Electrified Locking Device	✓	✓	✓	✓	✓
UL1034 Burglary Resistant Electric Lock Mechanism	✓	✓	✓	✓	✓
UL1784 Air Leakage Test for Draft, Smoke Door Assembly	X	✓	✓	✓	✓
UL294 Safety and Security for Access Control System	X	✓	✓	✓	✓

**PD97 and PD97PT can be integrated with advance relay switch and door positioning magnet to achieve auto-latching or auto-locking function.*



HOW TO ORDER MORTISE LOCKS FOR SLIDING DOORS

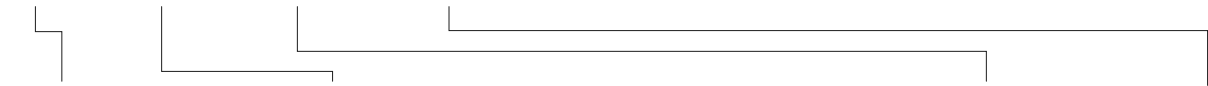
HOW TO ORDER STANDARD LOCKSETS

To order locksets with a non-standard specification, please describe the additional requirements in the same sequence as below.
Please see price book for parts or additional service upcharge.

PLATE LEVER LOCK FUNCTION BACKSET CYLINDER THUMBTURN FINISH HANDING

XRA 243 -PD97PT 50 A -S6 -GR04 -32D -LH

1 2 3 4 5 6 7 8 9



ROSE



XRA

*XGT available upon request.

LEVER



201



202



205



221



243



244



276



318



319



320



321



345



346



509

LOCK

-PD97ATL

FUNCTION

40 Privacy
50 Entry/Office
60 Patio/Exit
70 Classroom

5 BACKSET

- Blank = 2-3/4"
- 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



GR02



GR04



GR07 (Blank)



GT02



GT04



GT07



8 FINISHES* (STANDARD)

- 32D Satin Stainless Steel
- 19G Graphite Black
- CeraMax Graphite Black (C19G)
- CeraMax Flat Black (C19)
- CeraMax Stormy Grey (CGY)
- CeraMax Dark Bronze (CDB)
- CeraMax Burnt Bronze (CBB)

*Please see Finish Solutions on INOX website for special order finishes.

9 HANDING

-RH = Right Hand
-LH = Left Hand