



## 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

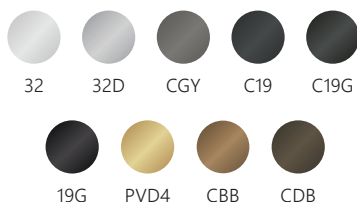
- UL1034 Burglary-Resistant Electric Locking Mechanisms
- UL294 Standard for Access Control System Units
- ANSI/BHMA A156.25 Electrified Mortise Locks
- ANSI/BHMA A156.18 Finishes
- ANSI A117.1 ADA Accessibility

#### 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

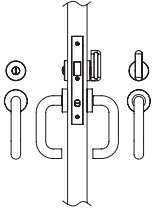
- Motor-driven electrified mortise lock supports touchless locking and unlocking compatibility
- Power transfer occurs on contact between the strike and lock, allowing for streamlined installation and eliminating cross-drilling through the door
- Compatible with access control relays and control units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

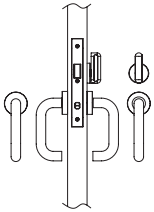
## FUNCTIONS

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.



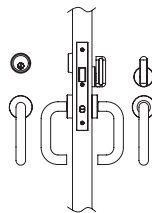
### PRIVACY 40

- 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



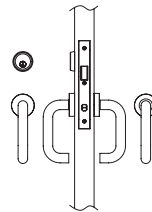
### PATIO / EXIT 60

- 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 TABLES

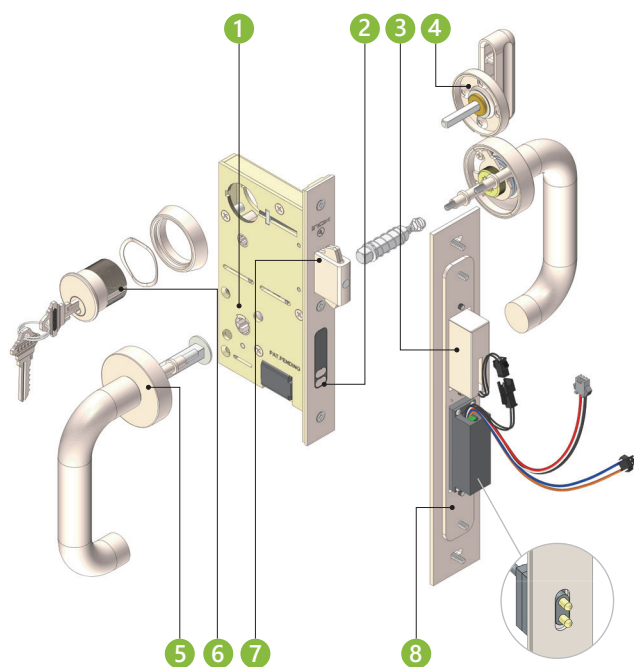
### MAIN FEATURES

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

### OPTIONAL ACCESSORIES

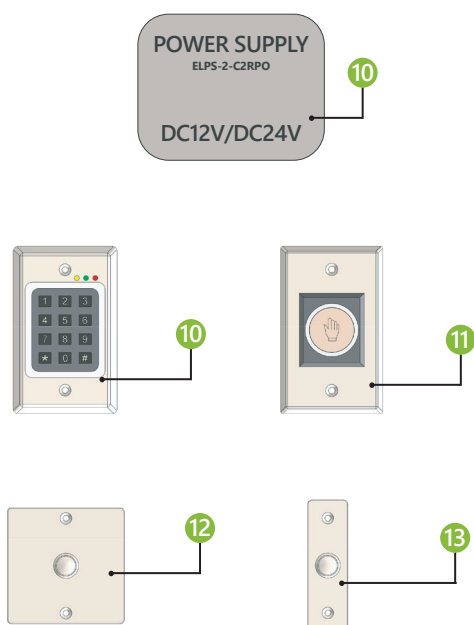
	Entry/Office	Classroom	Privacy	Patio/Exit
Power Supply	✓	✓	✓	✓
Keypad (Relay)	✓	✓	✓	✓
Push Button	✓	X	✓	✓
Handwave	✓	X	✓	✓

## COMPONENTS



- 1 PD97PT lockcase and faceplate  
**PD97PT-234** 2-3/4" backset or  
**PD97PT-212** 2-1/2" backset
- 2 Power Transfer Contact
- 3 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

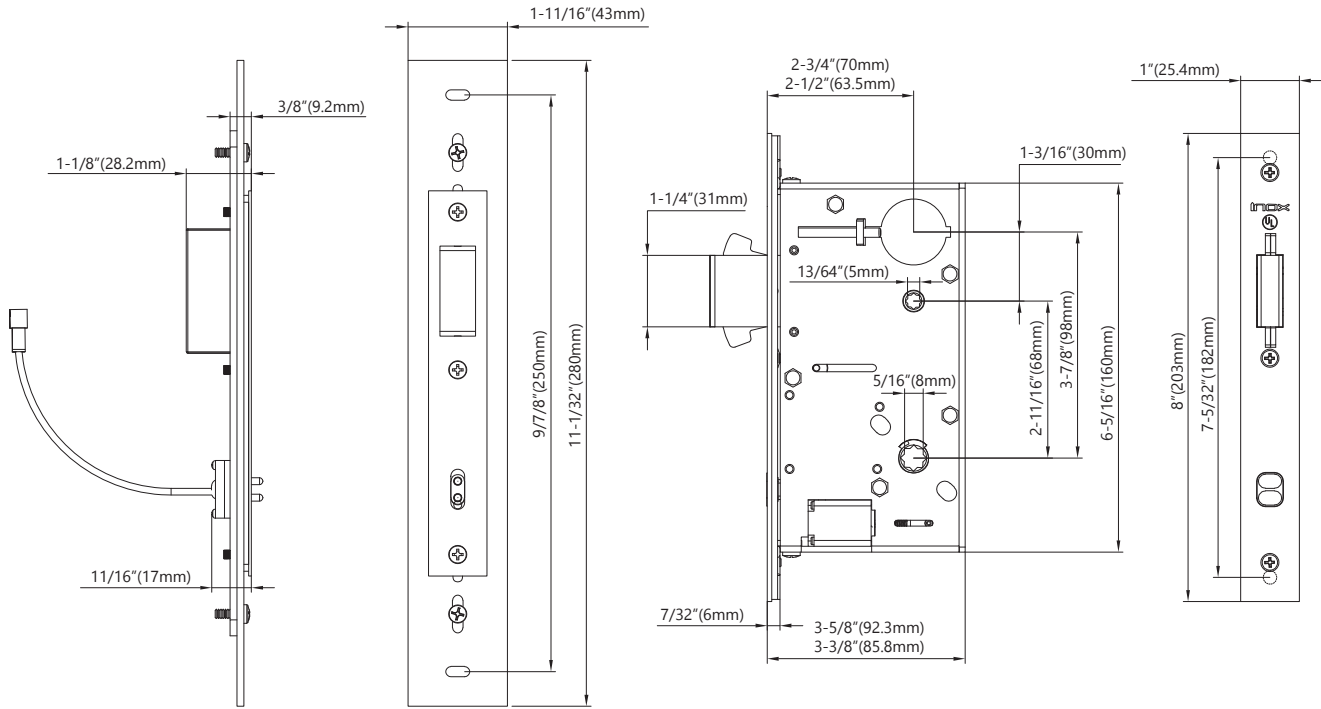
## OPTIONAL INOX ACCESS CONTROL ACCESSORIES



\*Order as a separate line item.

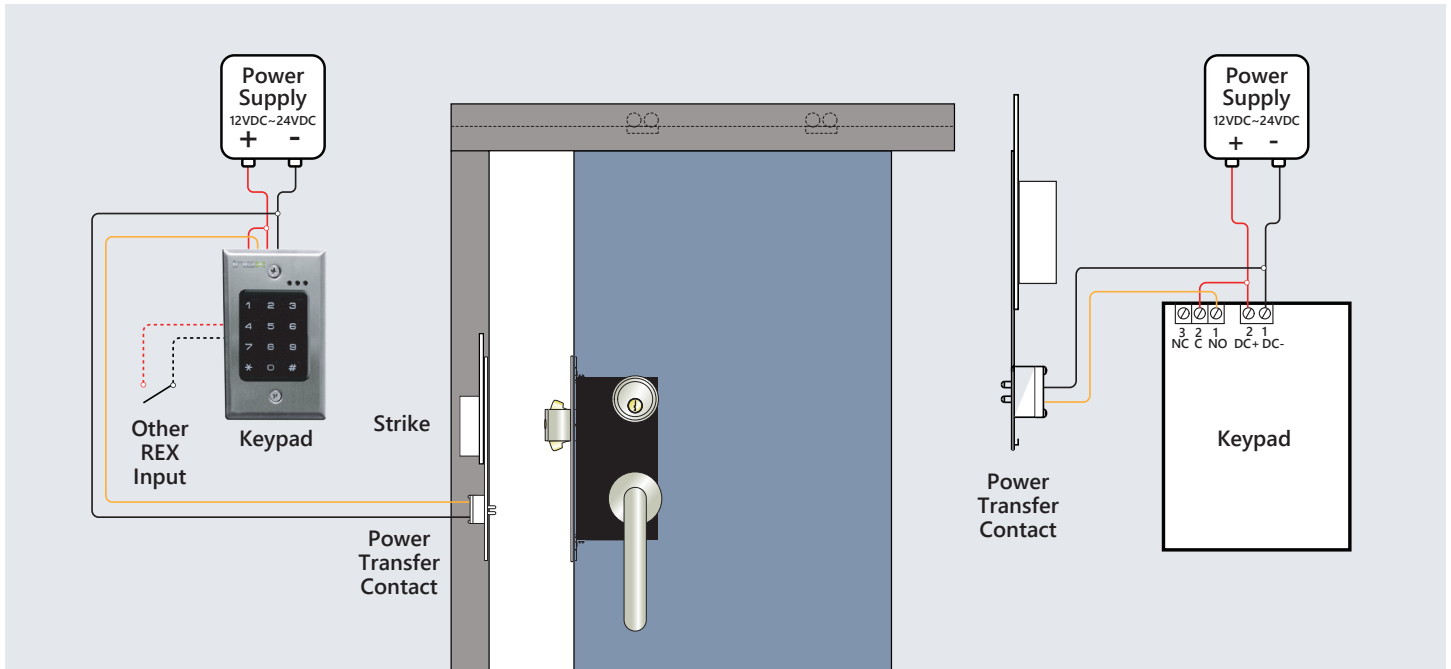
- 9 **INX-ELPS-2-C2RPO** Power Supply with built-in surge protection, Voltage: 1.75A @ 12/24V DC, 1.75A @ 115VAC
- 10 **AC-KP1200** Stainless Steel keypad faceplate for indoor electrically locked door application  
Voltage: 12/24V DC Dimension: 4-1/2" x 2-3/4" x 1-1/4"
- 11 **AC-IR1100** Handwave sensor 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"

## DIMENSIONS



**NOTE:** PD97ATL 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.

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:

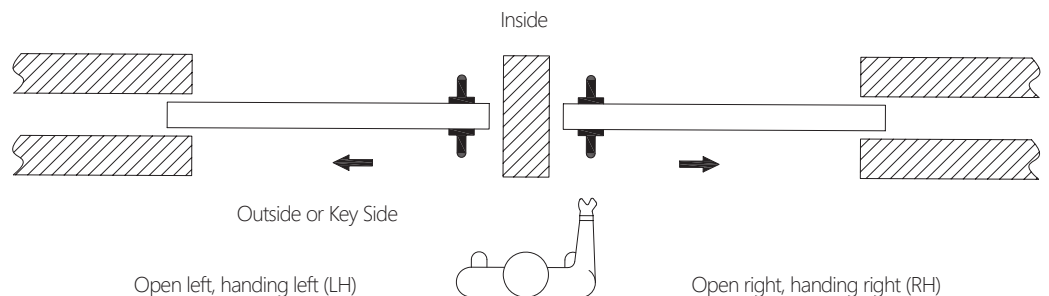
- Lock Body  $\leq 560$  mA
- Strike  $\leq 40$  mA

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



XGT ROSE



XGS ROSE

*\*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

ADA  
COMPLIANT



4



5



6

ADA  
COMPLIANT

53MM DIAMETER



1



2



3

ADA  
COMPLIANT



4



5



6

ADA  
COMPLIANT

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
4	TT02 Thumbturn in Square Rosette	SR02
5	TT04 Thumbturn in Square Rosette	SR04
6	ADA TT07 Thumbturn in Square Rosette	SR07

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
4	TT02 Thumbturn in Square Rosette	GS02
5	TT04 Thumbturn in Square Rosette	GS04
6	ADA TT07 Thumbturn in Square Rosette	GS07

## ELECTRIFIED LOCKS COMPARISON

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

\*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
XGT	243	-PD97PT	50	A	-S6	-GR04	-32D	-LH
1	2	3	4	5	6	7	8	9
<b>ROSE</b>		<b>LEVER</b>			<b>LOCK</b>		<b>FUNCTION</b>	
					-PD97ATL		40 Privacy 50 Entry/Office 60 Patio/Exit 70 Classroom	
XRA XGT								
XSE XGS								

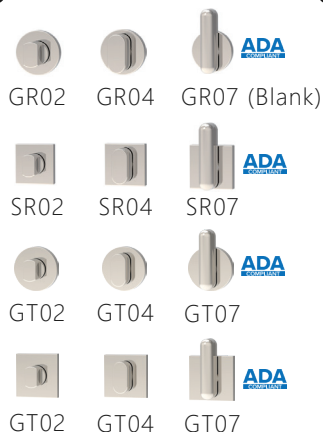
#### 5 BACKSET

- 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



#### 8 FINISHES\* (STANDARD)

- 32D Satin Stainless Steel
- 32 Bright Stainless Steel
- 19G Graphite Black
- PVD4 Satin Brass
- Ceramax Flat Black (C19)
- Ceramax Stormy Grey (CGY)
- Ceramax Dark Bronze (CDB)
- Ceramax Burnt Bronze (CBB)
- Ceramax Graphite Black (C19G)

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

#### 9 HANDING

- RH = Right Hand
- LH = Left Hand