



# PD97

## Electrified Mortise Locks for Sliding Doors

- "Smart" on-board PCB allows 12/24V input without the need for field selection
- Lockcase is built with an advanced stepper motor that provides quiet operation as well as an elegant aesthetic
- Built-in emergency egress

### SPECIFICATIONS

<b>Door</b>	1-3/4" (45mm) Standard
<b>Thickness</b>	1-3/8" (35mm) Thin Door Kit <i>available for XGT only</i> 2" to 2-1/4" (50mm to 57mm) Thick Door Kit available
<b>Backset</b>	2-3/4" (70mm) 2-1/2" (63.5mm)
<b>Lever Spindle</b>	8 x 8mm square
<b>Thumbturn Spindle</b>	5 x 5mm square
<b>Center to Center Distance</b>	Lever to Cylinder: 3-7/8" (98mm) Lever to thumbturn: 2-11/16" (68mm)
<b>Handing</b>	Specify handing when ordering
<b>Cylinder</b>	Schlage C keyway 6 pin, 1-1/4" mortise cylinder with 2 keys (standard) optional SFIC and LFIC housing and cores available
<b>CAM</b>	CAM01-SCL Clover Cam
<b>Material</b>	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 part when in operation at 12/24V:

<b>Lock Body</b>	560 mA
<b>Keypad</b>	90mA
<b>Handwave</b>	30 mA
<b>Relay</b>	30 mA
<b>Monitor</b>	30 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

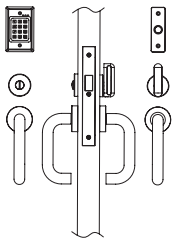
### FINISH

- Satin Stainless Steel - 32D
- 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

### APPLICATION

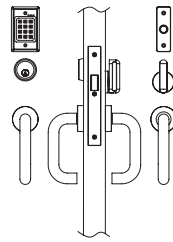
PD97 electrical sliding door locks are suitable for a wide range of applications, including but not limited to: Hospitality, Healthcare, Commercial, Class A Office, and High-end Residential.

**FUNCTION**



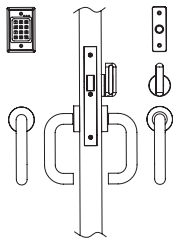
**Privacy: PD9740**

- Door locks with thumbturn; unlocks with inside lever or outside coin release
- Thumbturn inside throws/retracts deadbolt to lock/unlock door
- Outside lever is rigid at all times
- Inside lever always unlocks deadbolt for emergency egress



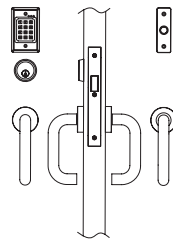
**Entry / Office: PD9750**

- 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 provides authentication or triggering for power transfer to lock



**Patio/Exit: PD9760**

- 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: PD9770**

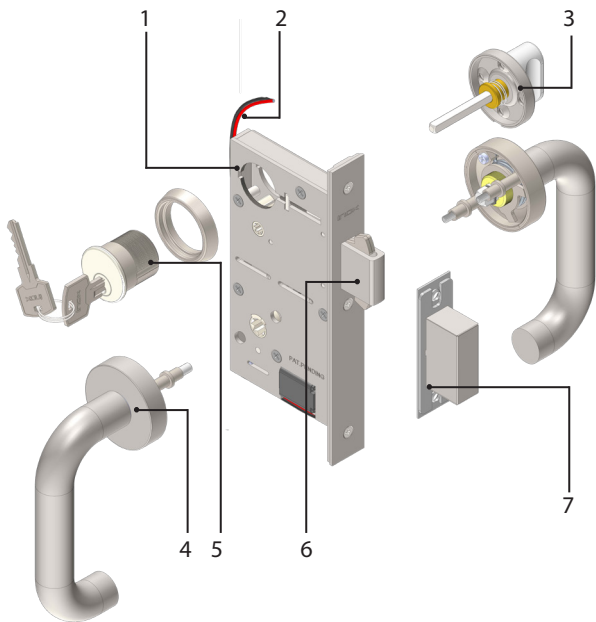
- Insert and turn key from outside to throw/retract deadbolt to lock/unlock door
- Door cannot be locked from inside
- Outside lever is rigid at all times
- Inside lever always unlocks deadbolt for emergency egress

**FUNCTION TABLE**

	<b>Privacy</b>	<b>Entry / Office</b>	<b>Patio/Exit</b>	<b>Classroom</b>
Outside Lever	×	×	×	×
Inside Lever	×	×	×	×
Lockcase	×	×	×	×
Cylinder		×		×
Coin Turn	×			
Inside Thumbturn	×	×	×	
Access Control Optional Accessories				
Power Supply	×	×	×	×
Keypad	×	×	×	×
Push Button	×		×	×
Handwave	×		×	×

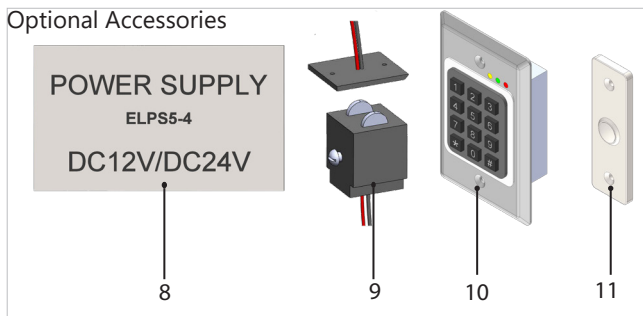
# PD97 ELECTRIFIED MORTISE LOCK

## COMPONENTS



	Description
1	PD97 lockcase and faceplate; 2-3/4" backset <b>PD97-234</b> or 2-1/2" backset <b>PD97-212</b>
2	Electrical wire from PD97 lockcase
3	<b>TT07-ADA</b> Compliant thumbturn
4	Heavy-duty stainless steel cast rose with choice of X Series lever design
5	Schlage C keyway, 6 pin 1-1/4" mortise cylinder <b>CMB1146</b>
6	1" (25.4mm) heavy-duty brass bolt throw with self-retracting non-marring hooks
7	1/4" (6.35mm) adjustable strike <b>PD97-ADJ-STRK</b>

### Optional Accessories

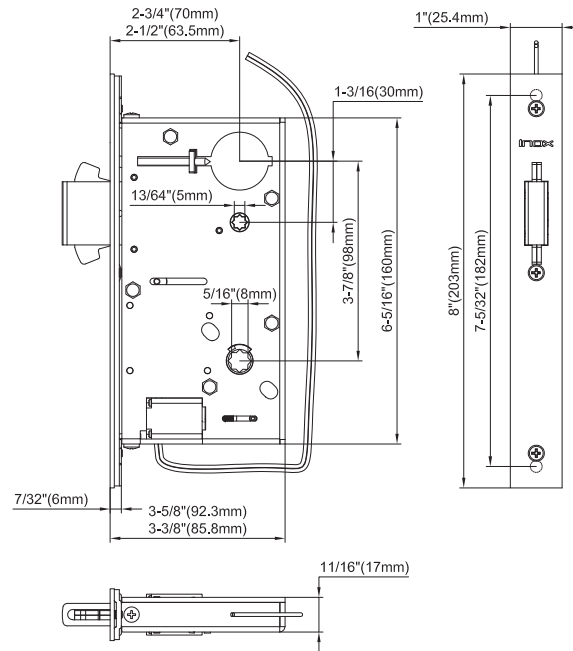


Optional Accessories, use the part numbers below as new line items.

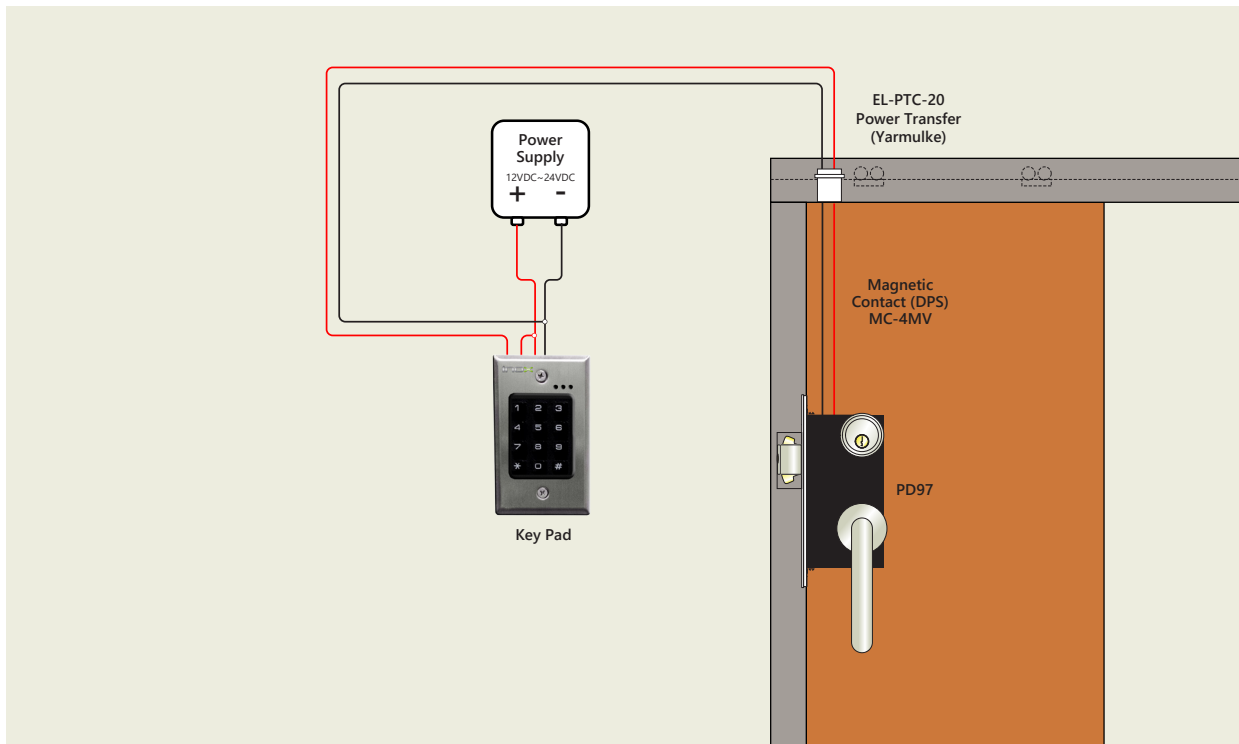
8	Power Supply <b>ELPS5-4</b>
9	Power Transfer Contact <b>EL-PTC-20</b>
11	Stainless Steel keypad <b>AC-KP1200</b>
11	Push Button <b>AC-PB100</b>

# PD97 ELECTRIFIED MORTISE LOCK

## DIMENSIONS



## 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.

## 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\*



318 CAFE

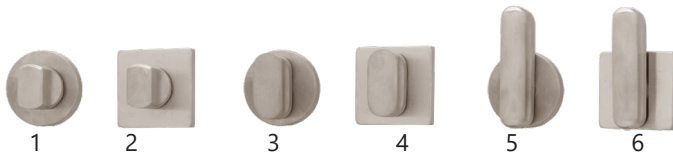


345 TOKYO



346 OSAKA\*

### THUMBTURN OPTIONS



1

2

3

4

5













6

Ref.	Description	Part Number
1	TT02 Thumbturn in Round Rosette	<a href="#">EC-R460TT02</a>
2	TT02 Thumbturn in Square Rosette	<a href="#">EC-S420TT02</a>
3	TT04 Thumbturn in Round Rosette	<a href="#">EC-R460TT04</a>
4	TT04 Thumbturn in Square Rosette	<a href="#">EC-S420TT04</a>
5	ADA TT07 Thumbturn in Round Rosette	<a href="#">EC-R460TT07-ADA</a>
6	ADA TT07 Thumbturn in Square Rosette	<a href="#">EC-S420TT07-ADA</a>

# HOW TO ORDER A MORTISE LOCK FOR SLIDING DOOR

## 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
<b>XGT</b>	<b>318</b>	<b>-PD97</b>	<b>40</b>	<b>A</b>	<b>CMB1146</b>	<b>GT07</b>	<b>32D</b>	<b>LH</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>
rose	lever	lock	functions					
 	    		40 Privacy 50 Entry / Office 60 Patio 70 Classroom					
XGT XGS	201 202 205 221 243	PD97						
	   							
	244 318 345 346							

### 5 backset

Backset Blank = 2-3/4"

Backset A = 2-1/2"

### 6 cylinder



**CMB1146**

1-1/4" Cylinder, 6 pin

EC-R460COL *Round Collar*  
EC-S420COL *Square Collar*

**CMB1186**

1-1/8" Cylinder 6 Pin

*No Collar Required*

**CMB1386**

1-3/8" Cylinder, 6 pin

EC-R417COL *Round Collar*  
EC-S420COL + EC-R456COL *Square Collar*



**CMB1146-ICBA-HUS**

1-1/4" SFIC housing, 6 pin

EC-R460COL *Round Collar*  
EC-S420COL *Square Collar*



**CMB1387-ICBA-HUS**

1-3/8" SFIC housing, 7 pin

EC-R417COL *Round Collar*  
EC-S420COL + EC-R456COL *Square Collar*

**CMB112-LFIC-HUS**

1-1/2" LFIC housing, 6 pin

EC-R417COL *Round Collar*  
EC-S420COL + EC-R456COL *Square Collar*

### 7 thumbturn



GT02



GT04



GT07



GS02



GS04



GS07

### 8 finish

Standard:



32D



C19G



C19



CGY



CDB

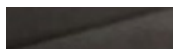
Special Order:



32



PVD4



10B

### 9 handing

RH = Right Hand LH = Left Hand