



PD97ATL

Electrified BHMA Grade 1 Mortise Locks with Auto-locking for Sliding Doors

- Motor driven 12/24V electrified lock for sliding doors
- Built-in DPS & DBM sensors, enabling auto-latching and auto-locking functions
- Supports touchless opening solutions when paired with an auto-operator
- Fail secure lock remains mechanically locked during power failure, ensuring security
- Designed for easy integration with any type of access control systems

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
Thumbturn 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
Strike	≤40 mA
Keypad	≤90mA
Handwave	≤30 mA
Relay	≤30 mA
Switch	≤20 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
- Meets ANSI/BHMA Grade 1 Standards

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

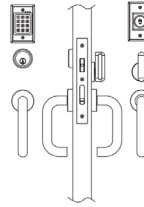
PD97ATL ELECTRIFIED MORTISE LOCK WITH AUTO-LOCKING

FUNCTIONS

PD97ATL Functions are **Fail Secure**. Deadbolt auto-locks once door is closed; during power failure, deadbolt remains mechanically locked from outside.

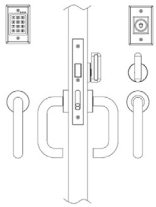
PD97ATL includes the following monitoring sensors:

- DBM = Deadbolt Monitoring Switch
- DPS = Door Position Switch



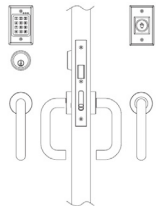
Entrance 53

- Latchbolt projected/retracted by built-in stepper motor when energized by 12/24V DC power transferred through contacts on lock and strike
- Key from outside to throw/retract latchbolt to lock/unlock door
- Thumbturn inside throws/retracts latchbolt to lock/unlock door
- Outside lever is rigid at all times
- Inside switch used to activate or deactivate outside handwave; when door is locked and handwave deactivated, entrance by key only
- Inside lever always unlocks latchbolt for emergency egress
- Passage mode available when lock is paired with additional push button or handwave unit



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



Storeroom 80

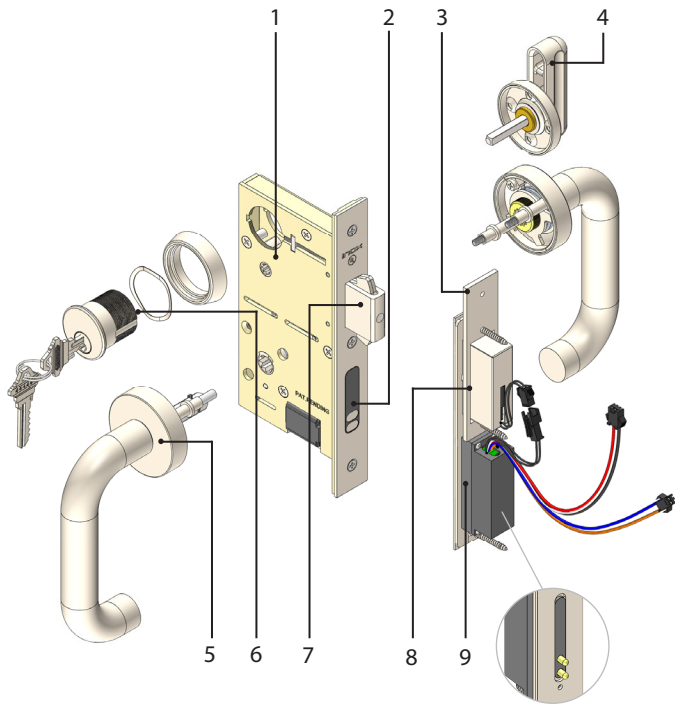
- Latchbolt projected/retracted by built-in stepper motor when energized by 12/24V DC power transferred through contacts on lock and strike
- Key from outside to throw/retract latchbolt to lock/unlock door
- Door cannot be locked from inside
- Outside lever is rigid at all times
- Inside lever always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

FUNCTION TABLE

	Entrance	Storeroom	Patio/Exit
Outside Lever	✓	✓	✓
Inside Lever	✓	✓	✓
Lockcase	✓	✓	✓
Cylinder	✓	✓	✗
Inside Thumbturn	✓	✗	✓
Optional Accessories			
Switch	✓	✗	✗
Power Supply	✓	✓	✓
Keypad w/Built-in Relay	✓	✓	✓
Push Button	✓	✓	✓
Handwave	✓	✓	✓

PD97ATL ELECTRIFIED MORTISE LOCK WITH AUTO-LOCKING

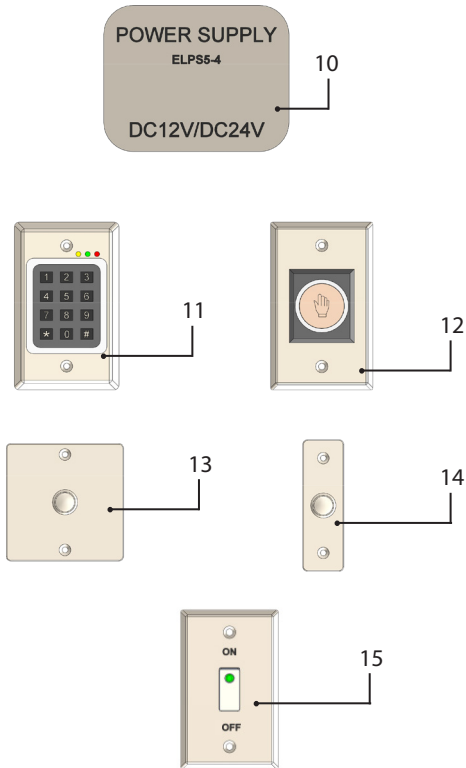
COMPONENTS



Description

- 1 PD97ATL lockcase and faceplate;
2-3/4" backset **PD97ATL-234-CASE** or 2-1/2" backset **PD97ATL-212-CASE**
- 2 Faceplate contacts; Auto-locking Door Positioning Switches and Power Transfer
- 3 Strike with reinforcement plate for door frame
- 4 ADA 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 Dust box with DBM (Deadbolt Sensor)
- 9 Power Transfer Strike with spring-loaded prongs **LSR-PD97ATL-STRK** 6-9/16"x1"x3/16"

Optional INOX Access Control Accessories

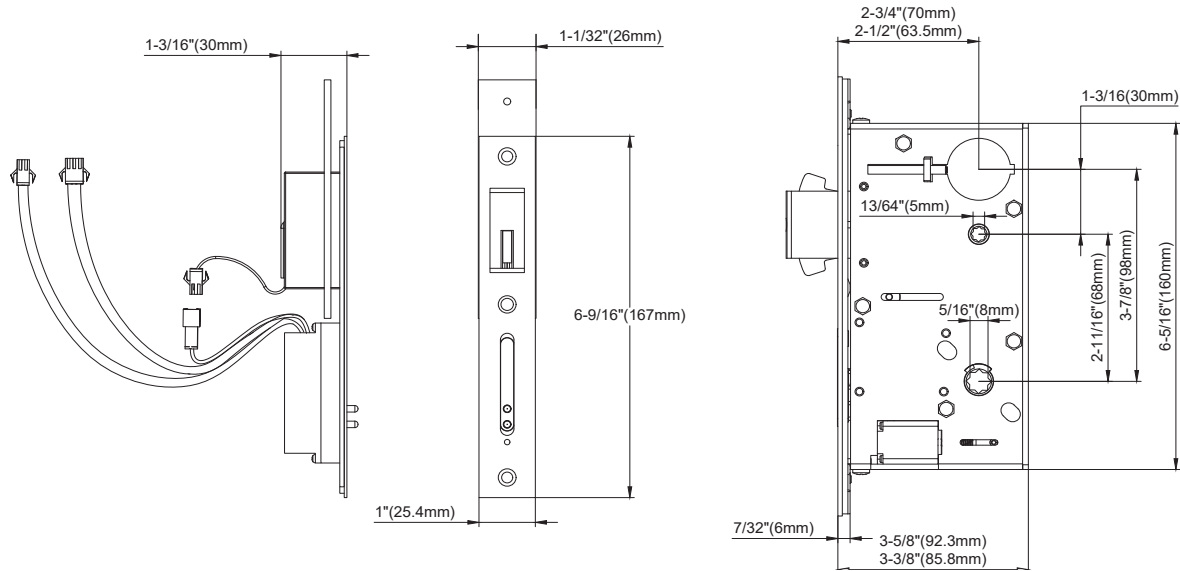


Optional Accessories, use the part numbers below as new line items.

- INX-ELPS5-4** Power Supply with built-in surge protection, Voltage: 2A@12/24V DC, Dimension: 11"x11"x4"
- AC-KP1200** Stainless Steel keypad faceplate for indoor electrically locked door application, Voltage: 12/24V DC, Dimension: 4-1/2"x2-3/4"x1-1/4"
- AC-IR1100** Handwave sensor with illuminated display, Voltage: 2A@12/24V DC, Dimension: 4-1/2"x2-3/4"x1"
- AC-PB200** Wide Push Button with illuminated display, Dimension: 3-3/8"x3-3/8"x3/4"
- AC-PB100** Narrow Push Button with no illuminated display, Dimension: 3-1/2"x1-1/8"x1"
- AC-SW32** On/Off switch for Exterior Handwave on PT-ATL53, Dimension: 4-1/2"x2-3/4"

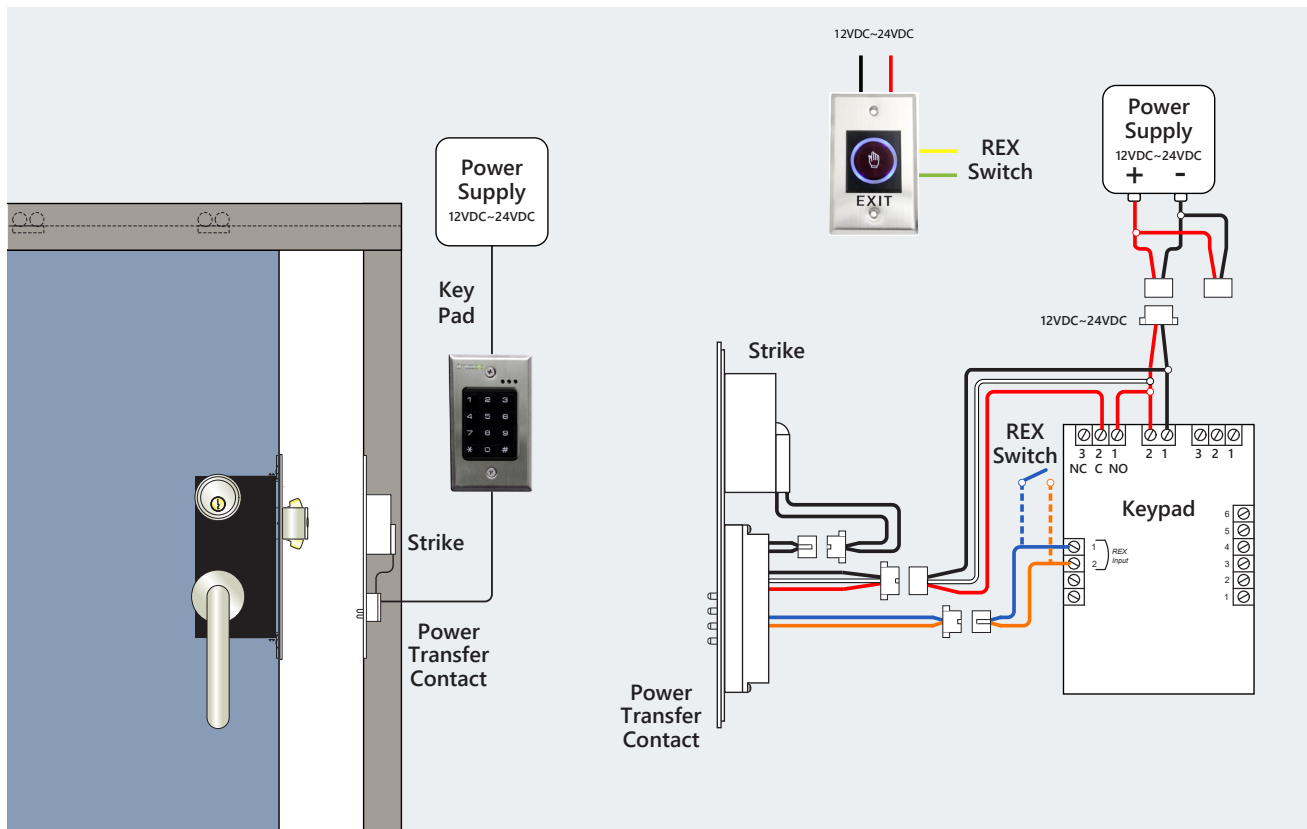
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DIMENSIONS



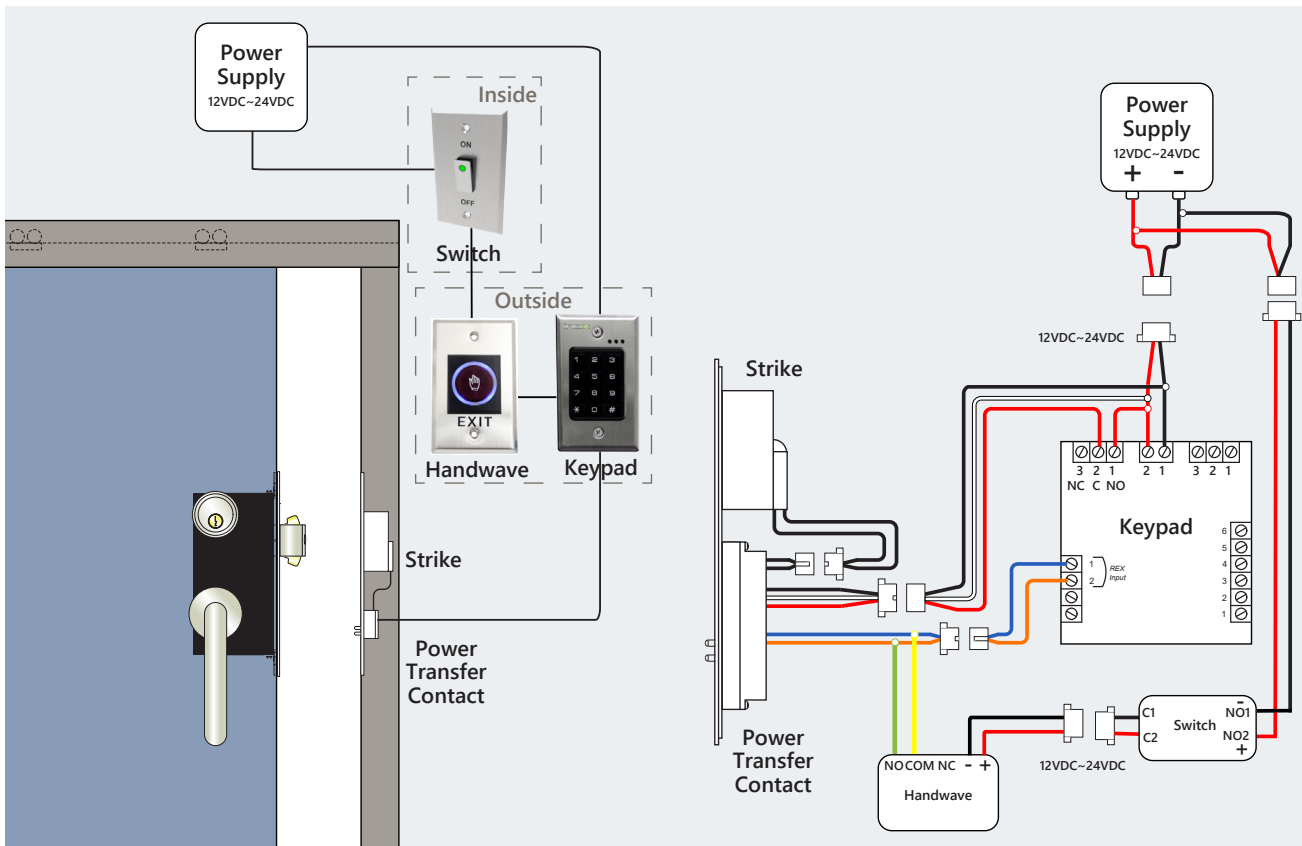
NOTE: PD97ATL locks only require 3~6 seconds of continuous power to engage or retract deadbolt; time varies subject to soft close or weatherstripping conditions on sliding door. Continuous power longer than required will damage the motor, so make certain that your connected relay has a timed function.

WIRING DIAGRAM



PD97ATL ELECTRIFIED MORTISE LOCK WITH AUTO-LOCKING

WIRING DIAGRAM - ENTRANCE 53 FUNCTION



For UL compliance, this product 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.

PD97ATL Electrified Locks are designed to operate at 12/24V. Complete INOX system maximum current draw is 750 mA. INOX breakdown of individual items:

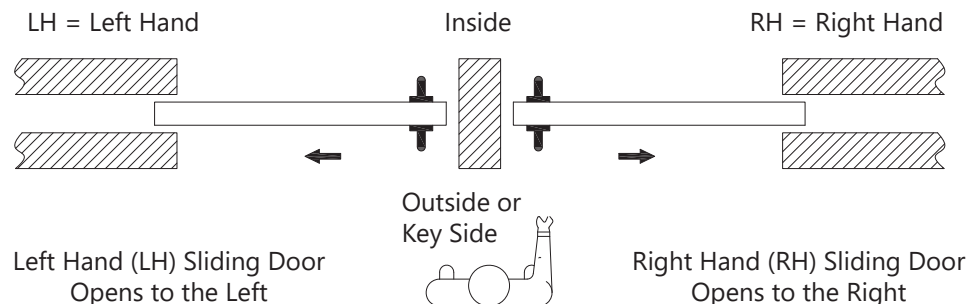
Lock Body	≤560mA
Strike	≤40 mA
Keypad	≤90 mA
Handwave	≤30 mA
Switch	≤20 mA

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.
- Handing is determined from the exterior or key side of the door when facing into the room.



PD97ATL ELECTRIFIED MORTISE LOCK WITH AUTO-LOCKING

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

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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	✓	✓	✓	✓








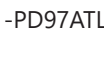









* Passage or Office Function only



PD97ATL ELECTRIFIED MORTISE LOCK WITH AUTO-LOCKING

HOW TO ORDER LOCKSETS

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

Rose	Lever	Lock	Function	Backset	Cylinder	Thumbturn	Finish	Handing
XGT	243	-PD97ATL	53	A	-S6	GR04	-32D	-LH
1	2	3	4	5	6	7	8	9
ROSE	LEVER	LOCK			FUNCTION			
 	    				53 Entrance 60 Patio/Exit 80 Storeroom			
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



-GR02



-GR04



Blank = GR07



-SR02



-SR04



-SR07

8 FINISH

Standard:



-32D



-C19G



-C19



-CGY



-CDB



-32



-PVD4



-19G

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