



# 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

<b>Door Thickness</b>	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
<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 parts when in operation at 12/24V:

<b>Lock Body</b>	≤560 mA
<b>Strike</b>	≤40 mA
<b>Keypad</b>	≤90mA
<b>Handwave</b>	≤30 mA
<b>Relay</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
- Meets ANSI/BHMA Grade 1 Standards

### FINISH

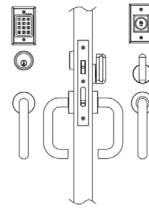
- 32D Satin Stainless Steel
- 32 Bright Stainless Steel
- PVD4 Satin Brass (243 and 276 levers)
- CeraMax Ceramic Coating: C19G Graphite Black, C19 Flat Black, CGY Stormy Grey, CDB Dark Bronze
- Please see Finish Solutions on INOX Website for special order finishes

## FUNCTIONS

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

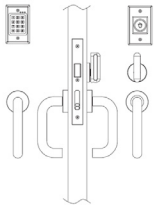
PD97ATL includes the following monitoring sensors:

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



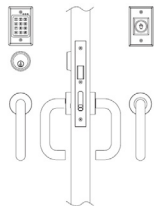
### Entrance 53

- 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

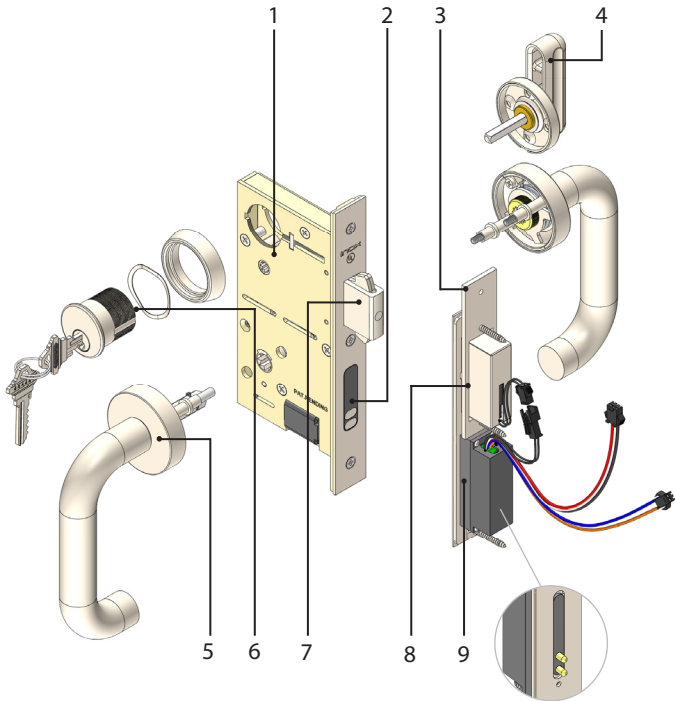
- Latchbolt projected/retracted by built-in stepper motor when energized by 12/24V DC power transferred through contacts on lock and strike
- Key from outside to throw/retract latchbolt to lock/unlock door
- Door cannot be locked from inside
- Outside lever is rigid at all times
- Inside lever always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

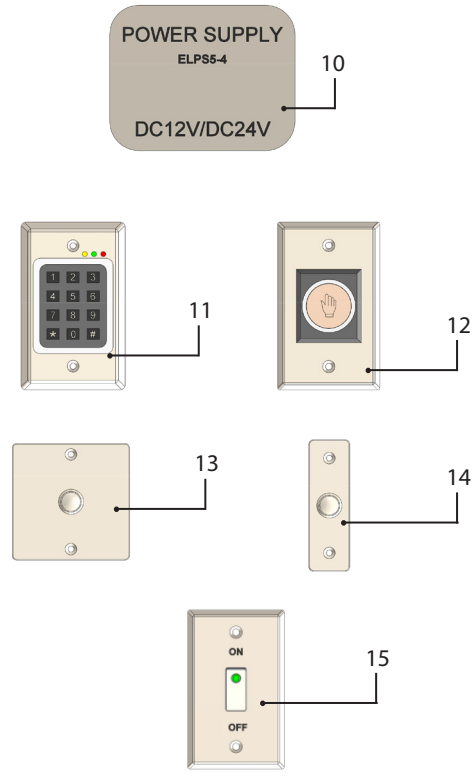
## COMPONENTS



### 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 **TT07-ADA** 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  
**CMB1146**
- 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

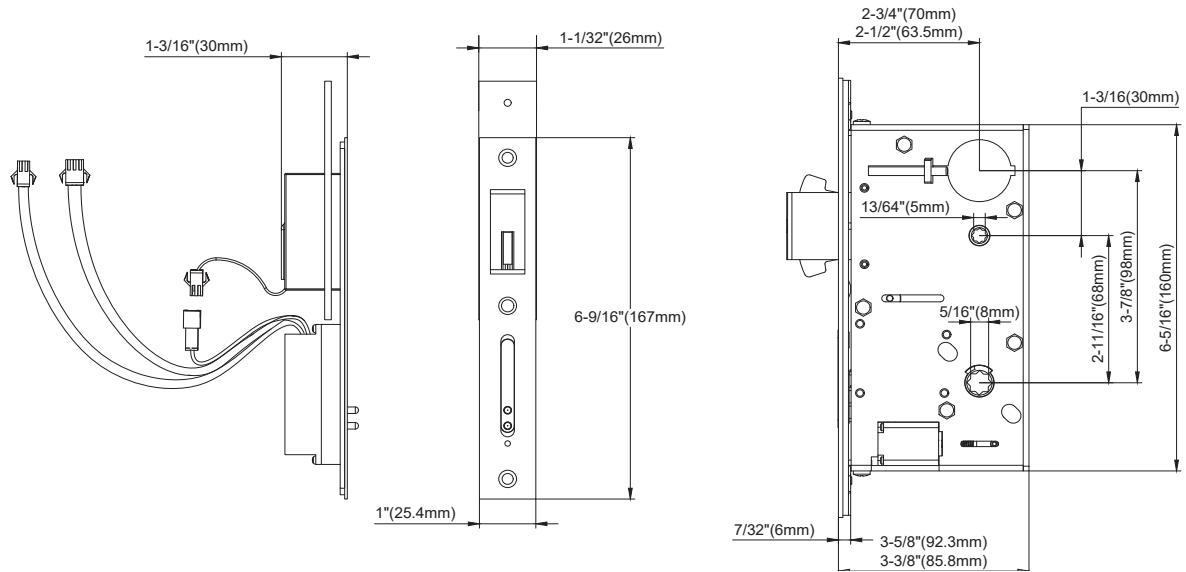


Optional Accessories, use the part numbers below as new line items.

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

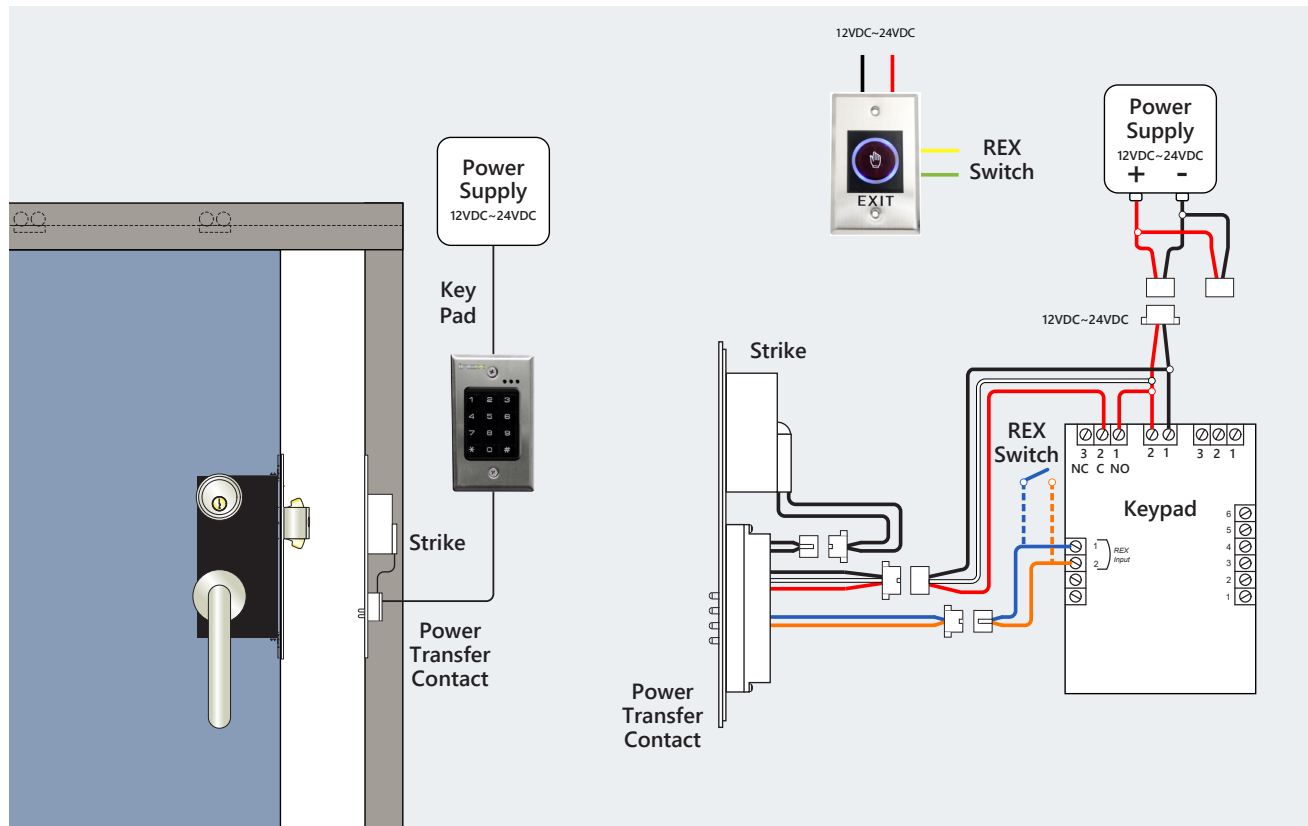
# PD97ATL ELECTRIFIED MORTISE LOCK WITH AUTO-LOCKING

## DIMENSIONS



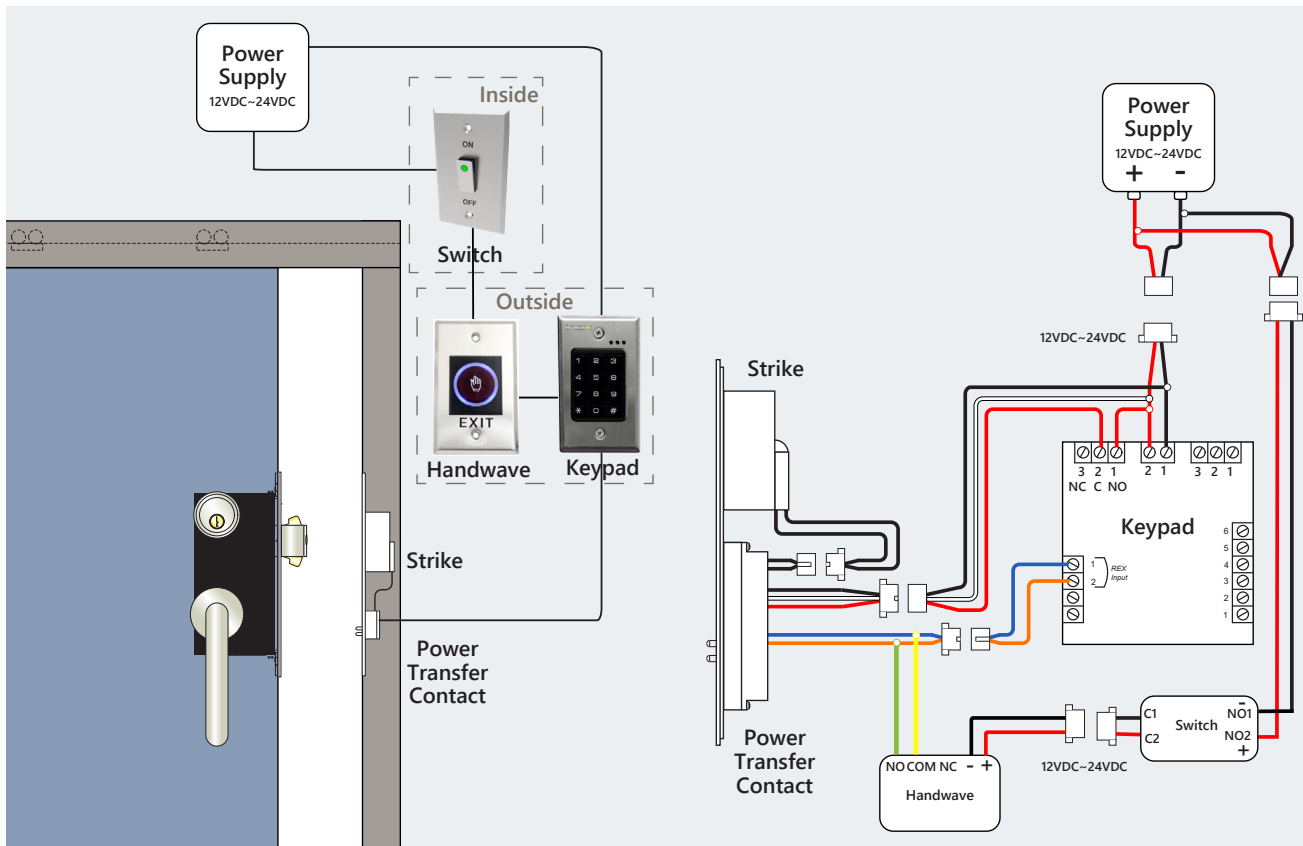
**NOTE:** PD97ATL locks only require 3~6 seconds of continuous power to engage or retract deadbolt; time varies subject to soft close or weatherstripping conditions on sliding door. Continuous power longer than required will damage the motor, so make certain that your connected relay has a timed function.

## 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:

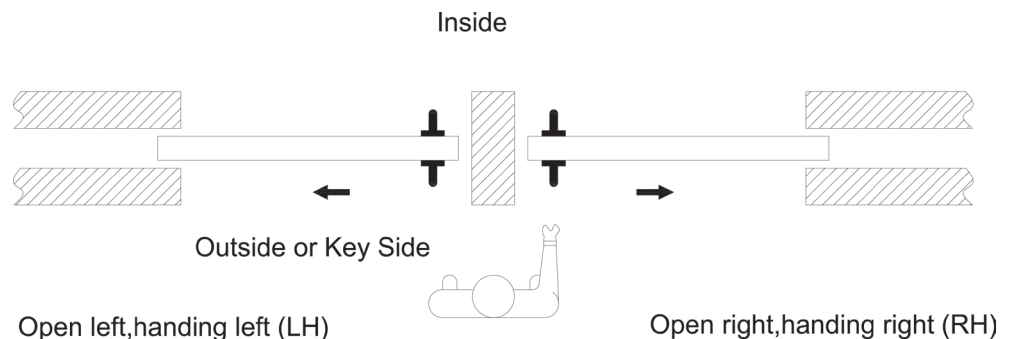
Lock Body	≤560mA
Strike	≤40 mA
Keypad	≤90 mA
Handwave	≤30 mA
Switch	≤20 mA

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



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>

# PD97ATL ELECTRIFIED MORTISE LOCK WITH AUTO-LOCKING

## ELECTRIFIED LOCKS COMPARISON

Trim	PD97	PD97PT	PD97ATL	PD97ES
X Series Trim	✓	✓	✓	✓
Outside Surface Pull with Inside Lever for Egress	✓	✓	✓	✓
<b>Performance Capabilities</b>				
Touchless Unlocking	✓	✓	✓	✓
Built-in Power Transfer within Lockset	✗	✓	✓	✓
Self-latching/Auto-locking*	✗	✗	✓	✓
Auto-locking with Monitoring Panel	✗	✗	✗	✓
<b>Compliance Certification</b>				
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	Thumbturn	Cylinder	Finish	Handing
<b>XGT</b> ①	<b>243</b> ②	<b>-PD97ATL</b> ③	<b>53</b> ④	<b>A</b> ⑤	<b>TT04</b> ⑥	⑦	<b>-32D</b> ⑧	<b>-LH</b> ⑨
<b>ROSE</b>	<b>LEVER</b>	<b>LOCK</b>			<b>FUNCTION</b>			
 XGT  XGS	 201  244  345	 202  276  346	 205  318	 221  319	 243  320	-PD97ATL	53 Entrance 60 Patio/Exit 80 Storeroom	

### 5 BACKSET

Backset Blank = 2-3/4"

Backset A = 2-1/2"

### 6 THUMBTURN



### 7 CYLINDER AND HOUSING

Blank = Standard Cylinder (CMB1146-FINISH-KD)  
 -SFIC6 = Small Format Interchangeable Housing 6-Pin (CMB1146-ICBA-HUS-FINISH)  
 -SFIC7 = Small Format Interchangeable Housing 7-Pin (CMB1387-ICBA-HUS-FINISH)  
 -LFIC6 = Large Format Interchangeable Housing 6-Pin (CMB1126-LFIC-HUS-FINISH)  
 (Order IC Cores separately)

### 8 FINISH



*PVD4 finish available in the 243 and 276 lever design*

### 9 HANDING

-RH = Right Hand

-LH = Left Hand