PD9700 Electrified
Mortise Sliding Door Lock

Application

The PD97 is the industry’s first motor-driven electro-mechanical mortise lock for sliding doors. It has the flexibility of integrating with most access control products including keypads, biometric readers, etc. It has an advanced stepper motor built inside the lockcase, which provides quiet operations as well as elegant aesthetic.

PD97 electrical sliding door is suited for a wide range of applications including but not limited to:
- Hospitality
- Healthcare
- Commercial
- Office
- Residential

Sliding Door 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 keyed side of the door when facing into the room

Key Features

- “Smart” On-board PCB allows 12V~24V inputs without the need for field selection.
- Fail Neutral: when power fails, lock will remain in its current condition. If locked, it will remain mechanically locked.
- Patented anti-gravity winged deadbolt prevents binding.
- Built-in emergency egress. Using inside lever unlocks the opening with a quick pull in case of emergency.
- Active Lever with heavy-duty solid stainless-steel chassis acts as door pull for operation.
- For keyed function; standard mortise cylinder or Interchangeable (IC) Cylinder for key override available.

Specification

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Door Thickness</td>
<td>1-3/4” (45 mm)</td>
</tr>
<tr>
<td>Slim Door Preparation</td>
<td>1-3/8” (35 mm) Trim blocking ring available</td>
</tr>
<tr>
<td>Backset</td>
<td>2-3/4” (70 mm) 2-1/2” (64 mm)</td>
</tr>
<tr>
<td>Voltage</td>
<td>12/24 AC/DC</td>
</tr>
<tr>
<td>Current Draw</td>
<td>Step Motor 0.6 AMPS</td>
</tr>
<tr>
<td>Bolt</td>
<td>1” (25.4 mm)</td>
</tr>
<tr>
<td>Thumb-turn Spindle</td>
<td>5 x 5 mm square</td>
</tr>
<tr>
<td>Lever Spindle</td>
<td>8 x 8 mm square</td>
</tr>
<tr>
<td>Case Size</td>
<td>8” x 3-3/8” x 11/16” (203 mm x 85.8 mm x 17 mm)</td>
</tr>
<tr>
<td>Center to Center Distances</td>
<td>Lever to Cylinder: 3-7/8” (98 mm)</td>
</tr>
<tr>
<td></td>
<td>Lever to thumb-turn: 2-11/16” (68 mm)</td>
</tr>
<tr>
<td>Handing</td>
<td>Specify handing</td>
</tr>
<tr>
<td>Cylinder</td>
<td>Schlage C key-way 6 pin mortise cylinder with 2 keys</td>
</tr>
</tbody>
</table>

Options

- DPS-1 Door Positioning Switch
- AM Antimicrobial Coating
Standard Components

Standard Includes:
1. Lockcase: PD97
2. XGT or XGS Lever Design and X-series rose
3. Strike: Vertical adjustment of dust box up to 1/4” (6.35mm)
4. TT07 ADA Thumb-turn
5. Bolt: 1” (25.4 mm) throw, heavy duty brass bolt
6. Cylinder: Schlage C key-way 6 pin mortise cylinder
7. Electrical wire (12”)

Functions

PRIVACY - PD9740
Door locks with thumb-turn; unlocks with inside lever or outside emergency release.

ENTRY / OFFICE - PD9750
Door locks with thumb-turn; unlocks with inside lever or outside key.

CLASSROOM - PD9770
Door locks with outside key; unlocks with inside lever or outside key.

How to Order

Specify the rose, lever design and sliding door function using the production identification below:

<table>
<thead>
<tr>
<th>Standard Product Identification</th>
</tr>
</thead>
<tbody>
<tr>
<td>XGT</td>
</tr>
<tr>
<td>Antimicrobial</td>
</tr>
<tr>
<td>Handing</td>
</tr>
<tr>
<td>Coat</td>
</tr>
</tbody>
</table>

Function Description | Code | Levers | Cylinder | Inside T-Turn | Outside Release |
<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Privacy</td>
<td>40</td>
<td>✓</td>
<td></td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Entry /Office</td>
<td>50</td>
<td>✓</td>
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<td>✓</td>
<td>✓</td>
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<tr>
<td>Patio</td>
<td>60</td>
<td>✓</td>
<td></td>
<td></td>
<td>✓</td>
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<tr>
<td>Classroom</td>
<td>70</td>
<td>✓</td>
<td></td>
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</tbody>
</table>
**System Components**

- **Power**
  - DC12V/DC24V

**Key Pad Specifications**

- 12/24 AC/DC operation
- Two 3 AMP for “c” relays
- 1-255 second time delay
- Request to exit (REX) input
- Door contact input for anti-tailgating and door open alarm
- Up to 999 users, 10 million possible codes
- Fixed length or 1 to 8 digit variable length codes

**Power Transfer Contact Specifications**

- Size: 2-3/4” x 4-1/2” x 3/4”
- Mounting: 2 x #6-32 machine screws
- Temperature: -40 F to 185 F
- Operating Voltage: 12/24 Volts, AC/DC

**Power Supply Specifications**

- 110-120VAC input power supplies that deliver (2) amps @ 24VDC to (2) PTC fused outputs.
- (4) solid-state input triggers, protects system relays from shorts, grounds and surges.
- Its linear design makes it a perfect match for solenoid & motor driven exit devices, electric locks, electric strikes, and mag locks.

**System Functions**

**PRIVACY - PD9740**
Door locks with inside button or thumb-turn; unlocks with inside lever or outside emergency release.

**ENTRY / OFFICE - PD9750**
Door locks with inside button or thumb-turn; unlocks with inside lever or outside key or keypad.

**CLASSROOM - PD9770**
Door locks with outside key or keypad; unlocks with inside lever or outside key or keypad.
## Levers

- **XGT Rose**
- **XGS Rose**

Available with the following lever in the INOX™ X Series Trim

<table>
<thead>
<tr>
<th>Lever Design</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>205 FRANKFURT</td>
<td><img src="205_FRANKFURT.jpg" alt="Image" /></td>
</tr>
<tr>
<td>221 AURORA</td>
<td><img src="221_AURORA.jpg" alt="Image" /></td>
</tr>
<tr>
<td>243 SUNRISE</td>
<td><img src="243_SUNRISE.jpg" alt="Image" /></td>
</tr>
<tr>
<td>345 TOKYO</td>
<td><img src="345_TOKYO.jpg" alt="Image" /></td>
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</tbody>
</table>

### Return-to-Door Lever Designs

Complies with California and other state building codes for door openings

<table>
<thead>
<tr>
<th>Lever Design</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>202 MUNICH</td>
<td><img src="202_MUNICH.jpg" alt="Image" /></td>
</tr>
<tr>
<td>244 TWILIGHT</td>
<td><img src="244_TWILIGHT.jpg" alt="Image" /></td>
</tr>
<tr>
<td>346 OSAKA</td>
<td><img src="346_OSAKA.jpg" alt="Image" /></td>
</tr>
</tbody>
</table>

## Cylinders

- **CMB106**
  - Schlage C keyway, 6 pin with clover cam, 2 keys

- **CMB1146-ICBA-HUS**
  - SFIC mortise cylinder housing, 6 pin

- **CMB1387-ICBA-HUS**
  - SFIC mortise cylinder housing, 7 pin

- **CMB-ICBA6-CMB**
  - SFIC core only, best A keyway, 6 pin, combination

- **CMB-ICBA7-CMB**
  - SFIC core only, best A keyway, 7 pin, combination

## Thumb-turn and Release

- **EC-R460PVS-ADA**
  - TT07 Thumb-turn with coin release

## Material

- Lockcase: Heavy gauge steel
- Bolt: Brass and stainless steel
- Faceplate and Strike: Stainless steel
- Cylinder: Solid Brass

## Finish

- 32 Bright Stainless Steel
- 32D Satin Stainless Steel
- Ceramic Coating
  - C19G Ceramic Graphite Black
  - C19 Ceramic Flat Black
  - CGY Ceramic Stormy Grey
  - CDB Ceramic Dark Bronze

## Antimicrobial Coating

INOX Antimicrobial Coating uses silver ions to inhibit or destroy up to 99.99% of bacteria.

More Antimicrobial Info: