PD9700 Electrified
Mortise Sliding Door Lock

Application

The PD97 is the industry’s first motor-driven electromechanical 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 an elegant aesthetic.

PD97 electrical sliding door locks are 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

Options

• DPS-1 Door Positioning Switch
• AM Antimicrobial Coating

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

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

Code Compliance

• UL1034 Certified
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:

Function Description | Code | Levers | Cylinder | Inside | T-Turn | Outside
--- | --- | --- | --- | --- | --- | ---
Privacy | 40 | ✓ | ✓ | ✓ | ✓
Entry/Office | 50 | ✓ | ✓ | ✓ | ✓
Patio | 60 | ✓ | ✓ | ✓ | ✓
Classroom | 70 | ✓ | ✓ | ✓ | ✓
**System Components**

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

**Accessories:**
8. Power transfer contact
9. Key pad
10. Push button
11. Power Supply

**Accessories**

Order using part numbers as new line items:

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC-KP1200</td>
<td>Keypad - Stainless Steel Faceplate</td>
</tr>
<tr>
<td>AC-KP1200-19G</td>
<td>Keypad - Graphite Black Faceplate</td>
</tr>
<tr>
<td>EL-PTC-20</td>
<td>Power Transfer Contact</td>
</tr>
<tr>
<td>ELPSS-4</td>
<td>Power Supply</td>
</tr>
<tr>
<td>AC-IR1100-32D</td>
<td>Access Control Hand Wave</td>
</tr>
<tr>
<td>AC-PB100</td>
<td>Push Button</td>
</tr>
</tbody>
</table>

**System Wiring Diagram**

**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 @ 24V DC to (2) PTC fused outputs.
- (4) solid-state input triggers, protects system relays from shorts, grounds and surges.
- It’s linear design makes it a perfect match for solenoid & motor driven exit devices, electric locks, electric strikes, and mag locks.

**Access Control Hand Wave**
- Hand Wave option allows touchless entry when door is unlocked
- Light-up display for ease of vision
- 6” range infrared sensor
- Automatic voltage detector - works with 12 or 24 volts
**Levers**

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

- XGT Rose
- XGS Rose

**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 MicroArmor™ Antimicrobial Coating uses silver ions to inhibit or destroy up to 99.9% of bacteria.