dormakaba

Apexx Strato
Rotary lock

Installation Guide

Apexx Strato Electronic Rotary Latch
Important information

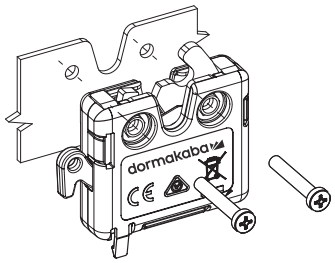
Read these instructions completely before installation. Improper installation, wiring, or use outside the specified ratings may result in product damage and void the warranty.

⚠ **Caution** - Do not exceed the maximum electrical ratings stated in this document.
Incorrect wiring or improper voltage application may permanently damage the latch.
Power must be available during all lock/unlock transitions.

1. Mechanical Installation

Rotary Latch

1. Mount the rotary latch with the unlabeled side against the enclosure frame or panel.
2. Secure the latch using two (2) mounting screws (*screws not provided*) through the mounting holes provided.
3. Tighten mounting screws to a maximum allowable torque of 4 Nm.



Striker

If an existing striker is in place, this step can be skipped. If using a door sensor, please review those instructions first.

1. Mount the striker with the flat base against the enclosure and aligned so that it is secure in the latch when closed.
2. Secure the striker using two (2) mounting screws through the mounting holes provided.
   - *Screws are not supplied.*

Door Sensor Capability (Optional)

If using a door sensor capability with a magnet bracket:

1. Position the magnet to approach the latch when the door is closed.
2. Mount so that the flat base of the sensor is positioned between the enclosure and the striker **(Fig. 2)**.
3. Secure with the same screws used for mounting the striker.

BLE Adapter

1. Insert the connector cable into the base of the latch and connect it to the matching connector of the BLE adapter **(Fig. 1)**.
2. The adapter can be mounted by either method:
   - Secure the adapter using two (2) mounting screws through the mounting holes provided.
   - *Screws are not supplied.*
   - Secure the adapter using the included 3M adhesive by removing the red tab on the mounting holes.
3. Connect the power supply or direct line power (according to the requirements listed below) into the power input connection of the BLE adapter.

Electrical Specifications

- **Operating Voltage:** 4.5 to 16 VDC
- **Typical Operating Current:** < 500 mA
- **Peak (Stall) Operating Current:**
  - 0.5 A max at 4.5 VDC
  - 1.0 A max at 12.0 VDC
  - 1.5 A max at 16.0 VDC (stall condition limited to 1.4 seconds)
- **Total Standby Current (Locked/Unlocked):**
  - 20 mA (excluding status output currents)
- **Control Signal Current (Unlock Command):**
  - 20 mA steady-state
  - 1.2 mA inrush at Vin
- **Control Signal Voltage (Latched Command):** 0 to 1 VDC
- **Latch Transition Time to Release:** Approximately 600 ms (no load, room temperature)
- **Motor Activation Time Limit:** 1.4 seconds (stall detection)
- **Operating Temperature Range:** 0°C to +60°C

2. Electrical Connections

A basic switch-controlled electrical hookup diagram is provided for reference. For additional wiring configurations, contact dormakaba.

Power Supply Requirements
- Use a DC power supply capable of delivering 4.5 to 16 VDC at 1 A minimum per latch.
- Connect power, ground, and control signal wires to an appropriate DC power supply.

Power Availability
- Power must remain available during the full transit time of the latch during both lock and unlock operations.

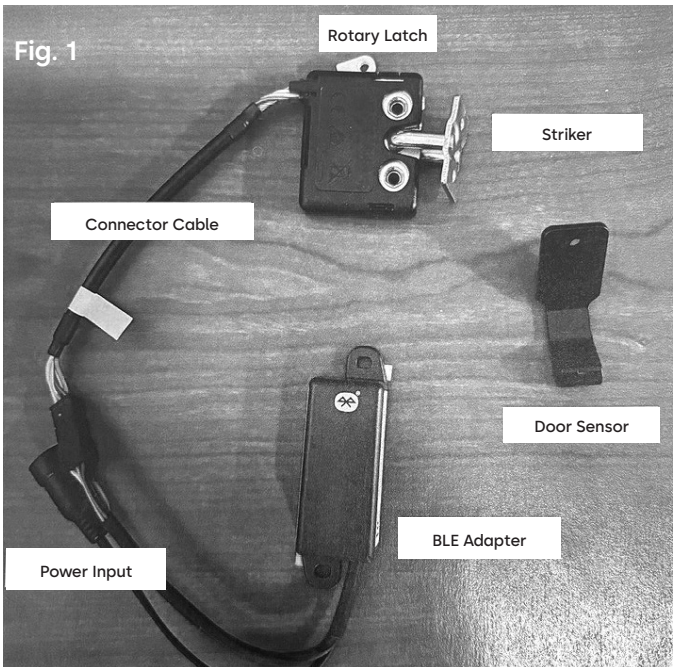
⚠ **Caution** - Refer to the connector pin assignment and pin location details before wiring. Incorrect wiring may result in latch damage.

3. Output Feedback
Latch and door status

- **Status Indicator Open Drain Output:**
  - Voltage rating: 4.5 to 16 VDC
  - Maximum load: 50 mA

⚠ **Caution** - Do not exceed the maximum output load. Follow all wiring instructions to prevent product damage.

Fig. 1

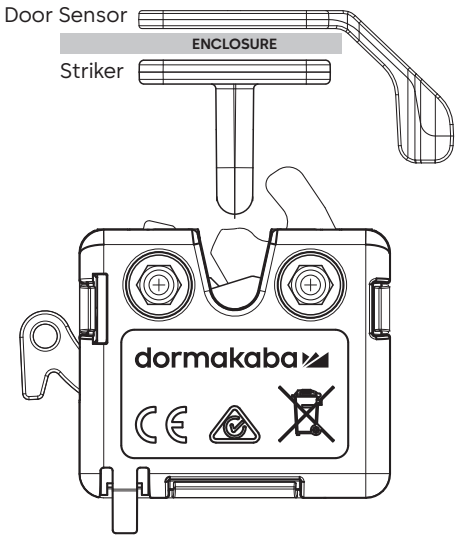


4. Operating Instructions

Wireless Operation
1. Follow instructions for activating the lock with the Apexx Software and dormakaba Safe locks App for opening via BLE.

Mechanical Override
1. A mechanical override is available by pushing up on the white switch on the side of the latch.
2. Once installed, a string can be run into another secured area of machine for mechanical override in case of power failure.

Fig. 2



Our Sustainability Commitment

We are committed to foster a sustainable development along our entire value chain in line with our economic, environmental and social responsibilities toward current and future generations. Sustainability at product level is an important, future-oriented approach in the field of construction. In order to give quantified disclosures of a product's environmental impact through its entire life cycle, dormakaba provides Environmental Product Declarations ( ), based on holistic life cycle assessments.

www.dormakaba.com/sustainability

Our offering

Access Automation Solutions

Entrance Automation
Entrance Security

Access Control Solutions

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Escape and Rescue Systems
Lodging Systems

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Door Closers
Architectural Hardware
Mechanical Key Systems

Services

Technical Support
Installation and commissioning
Maintenance and Repair

Key & Wall Solutions

Key Systems
Movable / Sliding Walls

Safe Locks

Electronic Safe Locks
Mechanical Safe Locks
Boltworks and Accessories

Glass systems

Manual door systems
Glass fittings
Horizontal Sliding Walls

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Subject to change without notice

APEXX STRATO INSTALLATION AND OPERATION GUIDES

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