

## Openpath Single Door Controller

### Access Control Unit

The Openpath Single Door Controller is an access control unit that supports up to two entries and two Openpath Smart Readers. The Controller securely makes all entry decisions and can be configured via Bluetooth using the Openpath Admin App. With wired and wireless connectivity, the Single Door Controller communicates with the Openpath access control cloud for system management and maintenance. It includes ports for Relays (Dry/Wet), Openpath Smart Readers, Request to Exit (REX) Sensors, Contact Sensors, as well as configurable inputs for Wiegand devices or extra sensors. The Controller uses RS-485 wiring to connect to the Smart Readers. The Single Door Controller can be wall-mounted or installed on a single or double gang box and may be powered using PoE, PoE+, or an external 12V to 24V supply.



### Features

- Internet connectivity to the Openpath access control cloud for system management and communication
- Stores all cloud configurations locally in order to remain fully functional in the event of an Internet outage
- Uses industry standard RS-485 signaling to communicate with Openpath readers over CAT 5/6 wiring
- Includes port interfaces for 2 Relays, 2 Openpath Readers, 2 Wiegand Readers, 2 REX Sensors, and 2 Contact Sensors
- Includes removable contact terminal blocks for convenient wiring
- Physical switches to select relays to be dry or wet (12V or 24V)
- EOL monitoring with single or double termination on all REX, Contact, and configurable inputs
- WiFi-enabled: Supports 2.4 GHz and 5 GHz connections
- Can be configured using the Openpath Admin App
- Lifetime warranty

### Specifications

- Operating Voltage: 12-24VDC
- Output Ratings:
  - Power Out can supply up to 100mA @ 12V or 50mA @ 24V
  - 2 reader ports, max power output: 250mA @ 12V each
  - 2 relays, max power output:
    - PoE: Max 3W combined output (250mA @ 12V, 125mA @ 24V)
    - PoE+: Max 9W combined output (750mA @ 12V, 375mA @ 24V)
- Relays: 2 relays, 2A @ 24VDC (resistive)
- Openpath Readers: Up to 2 Openpath Readers
- Wiegand Readers: Up to 2 Wiegand Readers (if no Openpath Readers)
- REX Sensors: 2 REX Sensors, nominal 5VDC, 1kohm to each input (resistors built into Controller)
- Contact Sensors: 2 Contact Sensors, nominal 5VDC, 1kohm to each input (resistors built into Controller)
- Tamper Sensor: Detects tamper events when front cover is removed
- Dimensions: 5.6 x 5.6 x 1.65 in (14.2 x 14.2 x 4.2 cm)
- Weight: 12.7 oz (360 g)
- Operating Temperature: 32° to 122°F (0° to 50°C)
- Operating Humidity: 5% to 85% relative, non-condensing
- Communication Ports: 10/100 baseT Ethernet, 2 USB ports
- Backup Battery: On external supply or PoE injector, use two 12VDC sealed lead acid (SLA) or gel cell batteries in series
- Compliance: FCC, IC, CE, RCM, UL 2043, UL 294

OP-2ESH-POE  
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