

MP1501 — Single Door Panel

Overview

The Mercury MP1501 is a single-door access control panel. It supports 1 door with 2 readers (in/out), 8 supervised inputs, and 4 relay outputs. Connects to a host controller (EP1502, EP2500, etc.) via RS-485.

Spec	Value
Doors	1
Readers	2 (Wiegand or OSDP)
Inputs	8 supervised
Outputs	4 relay
Communication	RS-485 to host controller
Power Input	12-24VDC

DIP Switches

The MP1501 has an 8-position DIP switch bank used to set the RS-485 board address. The address determines which port on the host controller this panel communicates on.

Address	SW1	SW2	SW3	SW4	SW5-8
0	OFF	OFF	OFF	OFF	OFF
1	ON	OFF	OFF	OFF	OFF
2	OFF	ON	OFF	OFF	OFF
3	ON	ON	OFF	OFF	OFF
4	OFF	OFF	ON	OFF	OFF
5	ON	OFF	ON	OFF	OFF
6	OFF	ON	ON	OFF	OFF
7	ON	ON	ON	OFF	OFF

SW5-SW8: Reserved — leave OFF. **Address 0** is typically not used in production (reserved for default/unconfigured).

Wiring Notes

- **RS-485 Bus:** Connect A(+) and B(–) to the RS-485 port on the host controller. Daisy-chain up to 32 devices per RS-485 segment. Terminate the last device with a 120Ω resistor.
 - **Readers:** Reader 1 = Door IN, Reader 2 = Door OUT. Wiegand: D0/D1/+5V/GND. OSDP: A/B/+12V/GND.
 - **Door strike:** Connect to Relay 1 (NC/COM/NO). Use NC for fail-safe (unlocks on power loss) or NO for fail-secure.
 - **Door contact:** Connect to Input 1 (supervised — use EOL resistors per system requirements).
 - **Rex (Request to Exit):** Connect to Input 2.
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Resources

- [MP1501 Installation Guide \(HID/Mercury\)](#)
 - [Mercury Installation Assistant Utility \(IAU\)](#)
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