

HID® Mercury™ M5-16DOR Controller

FEATURES

- 16 programmable relays
- Plug for plug compatibility to Casi 16DOR
- AES 128 bit data encryption
- Universal I/O device characterization
- Configurable output parameters

BENEFITS

- Built-in capacity to control, respond to external device commands
- Easily integrates lighting, heating/cooling, door or elevator control sensors
- Initiate commands by operator, by time schedules, or by events
- Built on the HID Mercury platform

The HID Mercury M5-16DOR Controller is a multi-device interface panel for the replacement of the Casi 16DOR output control device.

As with the entire HID Mercury M5 Bridge family of controllers, the M5-16DOR is built with a matching form factor to the Casi Micro5 line of access control hardware, allowing a fast “screwdriverless” changeover and easy migration of a Casi client infrastructure to any HID Mercury software partner.

Built to provide the ability to control high concentrations of outputs, this panel offers support for 16 general purpose relay contacts capable of being individually configured for

timed periods and for fail-safe vs. fail-secure modes. Relay operation may be initiated by direct operator commands, by time schedules, or by event-based procedures. The relays support “On”, “Off”, “Pulse”, and “Repeating Pulse” commands. A pulse may range from 0.1 second to over 18 hours.

Application Notes

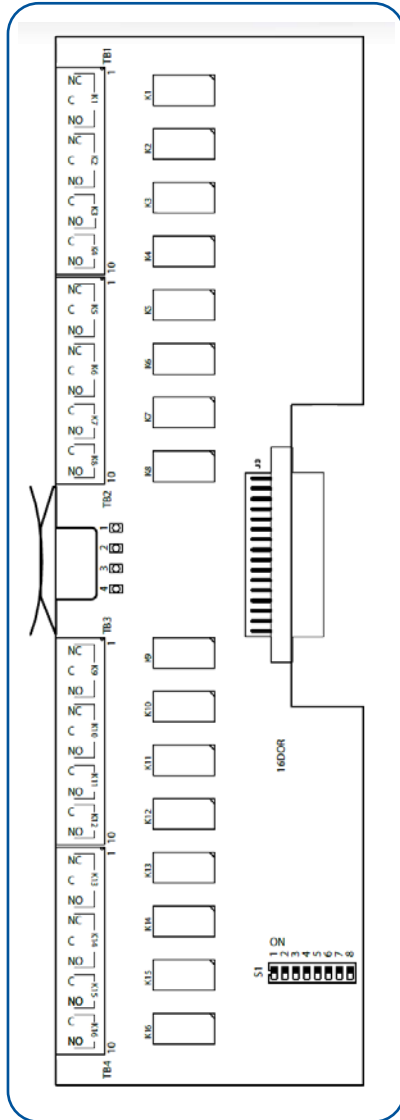
The M5-16DOR is an integral component in the HID Mercury M5 Bridge family approach to migrate any Micro5 hardware legacy to the flexible, feature-rich HID Mercury access hardware.

The M5-16DOR is for use in low voltage, class 2 circuits only.

SPECIFICATIONS

HID Mercury M5-16DOR Controller

| | |
|-----------------------------------|---|
| Primary Power (from M5-IC) | 12VDC +/-10%, 40 mA maximum |
| Relay Contacts | 8 Form-C, 2 A @ 30 VAC/DC, resistive 8 Form-A, 2 A @ 30 VAC/DC, resistive |
| Communication | 9600, 19200, 38400, or 115200 bps, asynchronous |
| Output Cable Requirements | As required for the load |
| MECHANICAL | |
| Dimensions | 3.5 in (88.9 mm) W x 10.25 in (260.35 mm) L x 0.50 in (17.5 mm) H |
| Weight (w/o connectors) | 5 oz. (144 gm) nominal |
| ENVIRONMENTAL | |
| Temperature | Storage: -55° to +85° C Operating: 0° to +50° C |
| Humidity | 5 to 95% RHNC |
| Product Compliance | UL 294 Recognized, FCC Part 15 Class A, CE Compliant, RoHS 2011/65/EU & 2015/863, EU REACH (1907/2006), California Proposition 65 |



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