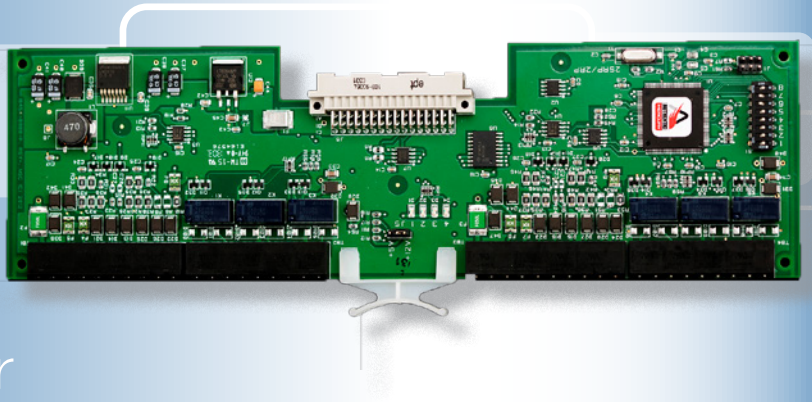**HID®**

HID® Mercury™ M5-2RP Controller

FEATURES

- 2 reader ports
- 6 programmable outputs (5VDC)
- 4 configurable inputs with multiple reader protocol support
- Plug for plug compatibility to Casi 2RP
- AES 128 bit data encryption
- Configurable input parameters

BENEFITS

- Built-in capacity to control, respond to external device commands
- Initiate commands by operator, by time schedules, or by events
- Built on the HID Mercury platform

The HID Mercury M5-2RP Controller is a multi-device interface panel for the replacement of the Casi 2RP reader control device. As with the entire HID Mercury M5 Bridge family of controllers, the M5-2RP 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 Mercury software partner.

Built to provide the ability to control access for two openings, this panel offers support for 2 readers capable of being individually configured for Wiegand, Magstripe, F/2F

or Supervised/F2F card reader protocols. In addition, the M5-2RP has the capability to monitor the door position, manage the door locking hardware and request to exit devices, with an auxiliary output available for each reader. Each legacy enclosure will support up to six (6) M5-2RP's.

Application Notes

The M5-2RP is an integral component in the HID Mercury M5 Bridge family approach to migrate any Micro5 hardware legacy to the flexible, feature-rich hardware. This ensures the customer an open future based on HID Mercury Controllers.
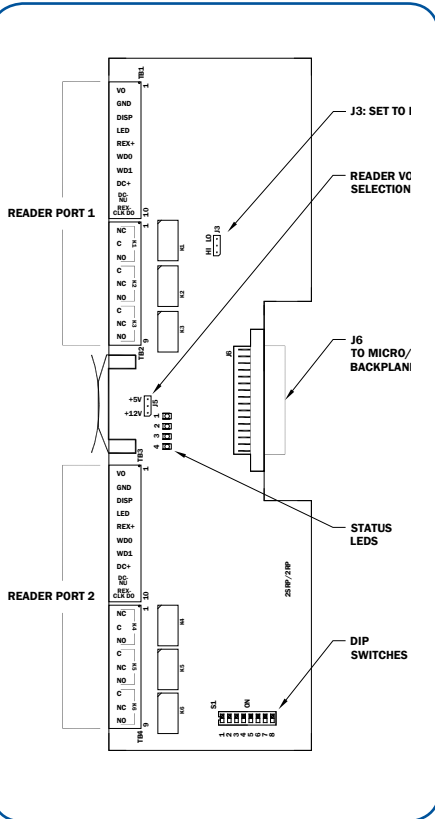
The M5-2RP is for use in low voltage, Class 2 Circuits only.

SPECIFICATIONS

HID Mercury M5-2RP Controller

Primary Power (from MS-IC)	12 VDC +/-10%, 155 mA maximum (plus reader current)
Relay Outputs	6 outputs, Form-C, 2 A @ 30 VAC/DC, resistive
Inputs	4 general purpose, two per reader port
READER INTERFACE	
Power	5VDC or 12VDC regulated (jumper selectable), 300 mA maximum each reader port
Reader LED Output	Open collector, 40 mA sink maximum External relay
Reader Data Inputs	TTL compatible inputs Communication: 9600, 19200, 38400, or 115200 bps, asynchronous
CABLE REQUIREMENTS	
Alarm inputs	1 twisted pair per input, 30 ohms maximum loop resistance
Outputs	As required for the load
Reader Data	Clock/Data or Wiegand: 18 AWG, 500 feet (152 m) maximum Supervised F/2F: 20 AWG, 500 feet (152 m) Maximum
MECHANICAL	
Dimension	3.5 in (88.9 mm) W x 10.25 in (260.35 mm) L x 0.69 in (17.5 mm) H
Weight (w/o connectors)	4.5 oz. (126 g) nominal
ENVIRONMENT	
Temperature	Storage: -55° C to +85° C Operating: 0° C 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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