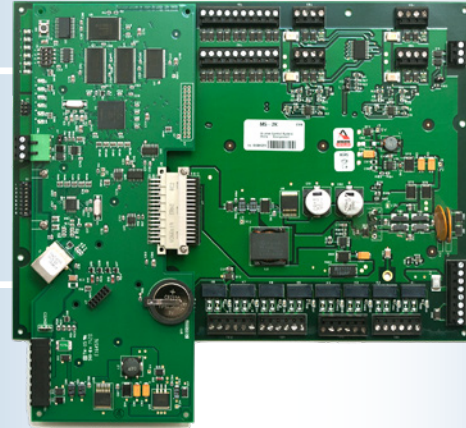


HID® Mercury™ M5-2K Controller



FEATURES

- 4 reader ports
- 8 Form C control relays
- 10 supervised/unsupervised inputs
- F/2F & Supervised F/2F protocol support
- Supports additional RS-485 downstream hardware
- Plug for plug compatibility to Casi M2000
- AES 128 bit data encryption

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

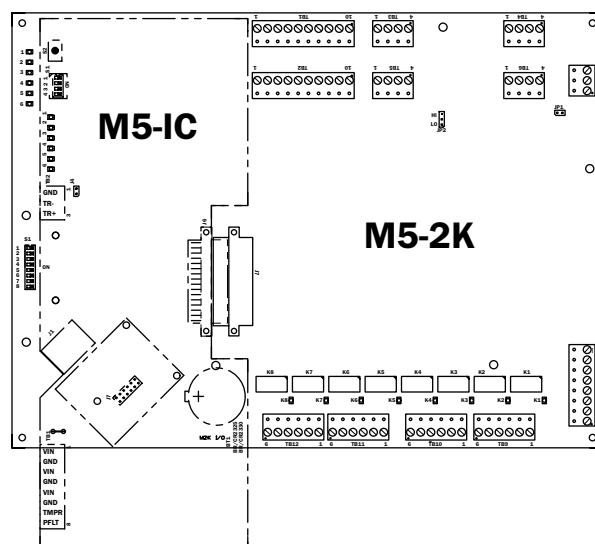
The HID Mercury M5-2K Controller is a multi-device interface panel for the replacement of the Casi M2000 reader controller. As with the entire HID Mercury M5 Bridge family of controllers, the M5-2K is made to match the existing form factor of the popular Casi Micro5 line of access control hardware allowing 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 access for four openings, this panel offers support for Four (4) F/2F protocol based readers capable

of being individually configured. Additionally, the M5-2K has the native capability to monitor the door position, manage the door locking hardware and request to exit devices.

Application Notes

The M5-2K is an integral component in the HID Mercury M5 Bridge family approach to migrate any Micro5 hardware legacy to the flexible, feature-rich hardware. When paired with a M5-IC, it ensures the customer an “Open” future based on HID Mercury controllers.



SPECIFICATIONS

HID Mercury M5-2K Controller

Primary Power	18 VAC, 2.8 A maximum 12 VDC output 550 mA maximum
UPS Battery (optional)	12 volt, 7 Ah rechargeable sealed lead-acid, 1 each supported Battery's approximate dimensions: L 5.94 in (151 mm) W 2.56 in (65 mm) H 3.74 in (96 mm)
Communication	9600, 19200, 38400, or 115200 bps, asynchronous
Inputs	10 unsupervised/supervised, standard EOL: 1K/1K ohm, 1 %, ¼ watt
Outputs	8 outputs, Form-C, 2 A @ 30 VAC/DC, resistive
READER INTERFACE	
Power	12 VDC regulated, 300 mA maximum each reader port DOx / External relay: Open collector, 40 mA sink maximum
Reader Data Inputs	F/2F compatible inputs
Reader Data	Use shielded cables 12 VDC: 20 AWG, 500 feet maximum, reader powered by M5-2K board 18 AWG, 3000 feet maximum, reader powered locally
CABLE REQUIREMENTS	
Alarm inputs	1 twisted pair per input, 22 AWG shielded. 30 ohms maximum loop resistance
Outputs	As required for the load
Dimensions	W 8.375 in (212.7 mm) x L 11.375 in (289.1 mm) x H 1.04 in (26.5 mm) without M5-IC [H 1.27 in (32.26 mm) with M5-IC]
Weight (w/o connectors)	12.0 oz. (340.2 g) nominal without M5-IC 17.3 oz. (491.0 g) nominal with M5-IC
ENVIRONMENT	
Temperature	Storage: -55° to +85° C Operational: 0° to +50° C
Humidity	5 to 95% RHNC
Product Compliance	UL294 Recognized, FCC Part 15 Class A, CE Compliant, RoHS (2011/65/EU & 2015/863), EU REACH (1907/2006), California Proposition 65

NOTE:

The above specifications are based on the typical 12 volt reader drawing 125 mA. Reader power requirements vary between different models.

Excessive voltage drop on long cable runs may require a larger cable gauge for powering the reader from a local power source. Refer to the power specification for the reader being installed.



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