

## Mercury M5-2K Intelligent Controller

Authentic Mercury M5-2K is a multi-device interface panel for the replacement of the Casi M2000 reader controller. As with the entire 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 Authentic 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 Mercury M5 Bridge family approach to migrate any Micro5 hardware legacy to the flexible, feature-rich Mercury access hardware. When paired with a M5-IC, it ensures the customer an “Open” future based on Authentic Mercury controllers.

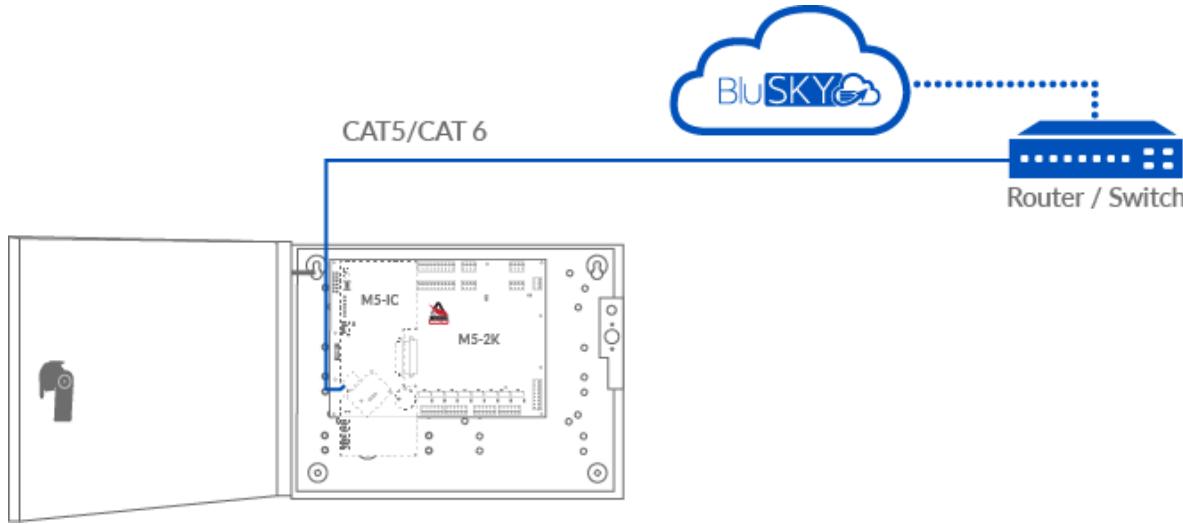


### Features

- 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 Open Authentic Mercury platform



## Specifications

The M5-2K is for use in low voltage, Class 2 Circuits only.

### Primary Power:

- 18 Vac, 2.8 A maximum
- 12 Vdc output
- 550 mA maximum

### UPS Battery (optional):

- 12 volt, 7 Ah rechargeable sealed (optional) 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

### Relay 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

### 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.

## Ordering Information

MFG Part #	BluBØX Order #	Description
M5-2K	125-2400	MMercury M5-2K - Replaces the Casi M2000 reader controller

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