

Features

- 16 programmable inputs; 2 programmable relay outputs
- 2-wire RS-485 communication
- AES 128 bit data encryption
- Universal I/O device characterization
- Configurable input parameters
- Universal system compatibility with Authentic Mercury intelligent controllers

Benefits

- Initiates commands by operator, by time schedules, or by events
- Allows for easy and compact clustering of up to 16 uniquely monitored devices
- Allows standard and range based supervision with end-of-line resistance

Authentic Mercury MR serial Input/output (SIO) devices represent the secondary level in Mercury's distributed architecture. The devices offer flexibility to our OEM partners, ensuring they can choose the controller that best fits their needs.

The multi-device MR16IN interface panel is dedicated to point control and monitoring and enables OEMs to support 16 general-purpose input circuits. The circuits can be individually set for sensitivity ranges, timing parameters (normally-open or normally-closed operations) and end-of-line resistance values. They can also be declared supervised and non-supervised. Two programmable relay outputs are configurable for fail-safe or fail secure operation, supporting "On", "Off", "Pulse", and "Repeating Pulse" commands.

With these powerful control-point capacities onboard, the MR16IN can control outboard devices; it can also be activated by the condition of selected system devices, either locally or regionally, without host intervention.

The MR16IN is an ideal choice for an interface panel that provides OEMs the ability to monitor high concentrations of inputs combined with low requirements for output control.

Application Notes

The Mercury MR16IN is an essential component that supports Mercury's flexible, building-block approach to access control system design. The MR16IN provides the capacity to link, control and respond to an array of sensors. With its RS-485 connectivity, the MR16IN can be clustered or distributed to best suit each installation environment.

Electrical:

Primary Power: 12-24 VDC +/- 10%,
350 mA maximum
12Vdc @ 300mA nominal
24Vdc @ 220mA nominal

Communication:

RS-485, 2-wire, 4,000'
(twisted pair with shield, Belden 9841)

Inputs:

16 General purpose: programmable
circuit type
2 Dedicated: Tamper and Power Monitor

Outputs:

2 Relays: Form-C, 5 Amp 28 VDC

Dimensions:

6.0' W x 8.0' L x 1.0' H,
(152mm W x 203mm L x 25mm H)

Temperature:

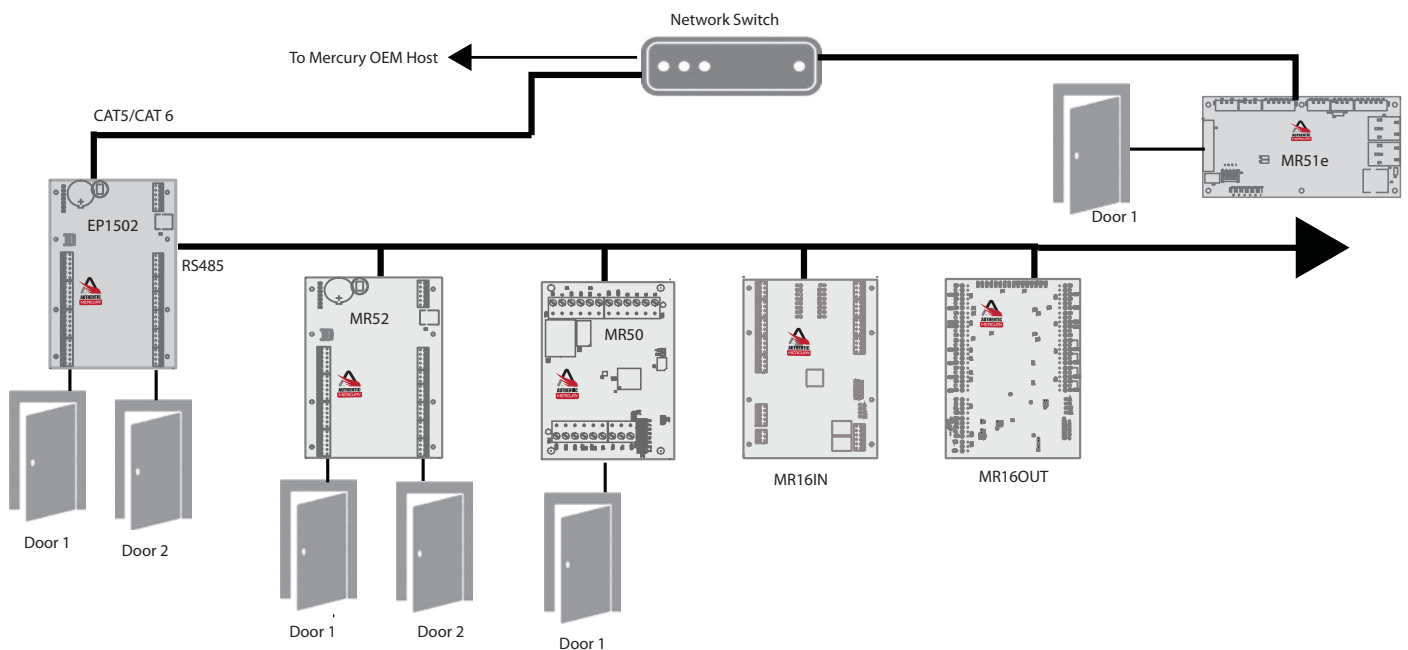
0-70 °C operational, -55-85 °C storage

Humidity:

0 to 95% RHNC

Standards:

UL 294 Recognized
CE Compliant
RoHS



The Authentic Mercury open platform delivers quality assurance derived from the most proven and reliable hardware in the industry. Driven by our engineering excellence and technology leadership. Authentic Mercury hardware is designed as an access control platform that easily encompasses emerging technologies, changing industry standards and evolving system environments. Make yours Authentic, Make sure its Merc.