



Mercury's Access Platform MR16in is a multi-device interface panel for OEMs providing the ability to monitor high concentrations of inputs together with a low requirement for output control.

Based on the intelligent next-generation Mercury Access Foundation, the MR16in is capable of supporting 16 general purpose input circuits which can be individually set for normally-open or normally-closed operations and can be declared supervised and non-supervised. Individually configurable parameters can be set for sensitivity ranges, timing parameters and end-of-line resistance values.

Two programmable relay outputs can be configured for fail safe or fail secure operation, supporting "On", "Off", "Pulse", and "Repeating Pulse" commands.

With these powerful control-point capacities onboard, the MR16in is capable of controlling outboard devices and being activated by the condition of selected system devices locally or regionally without host intervention.

Application Notes

The Mercury MR16in is an integral component to support 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. And with its RS-485 connectivity, it can be clustered or distributed to best suit each installation environment.

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

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
- Compatible across Mercury's intelligent controller families

Proven Platforms for the Future
Reliable. Proven. Innovative Access Control.

Technical Specifications
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:

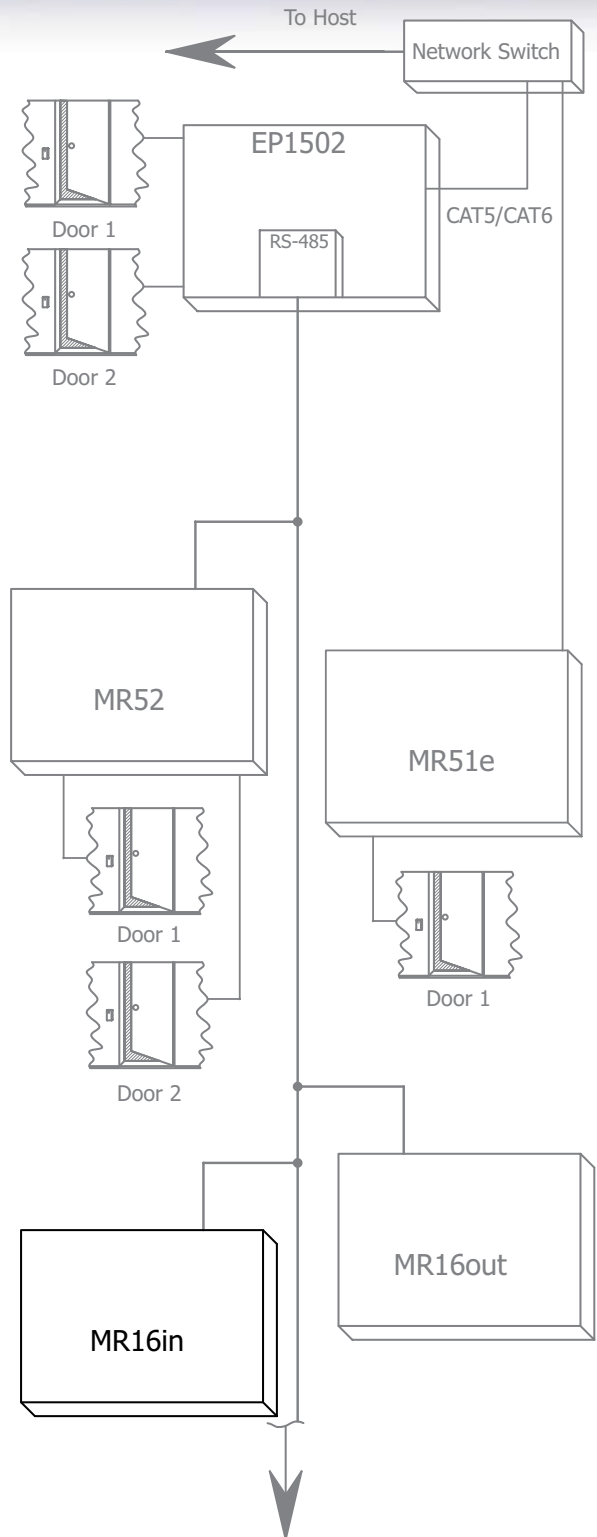
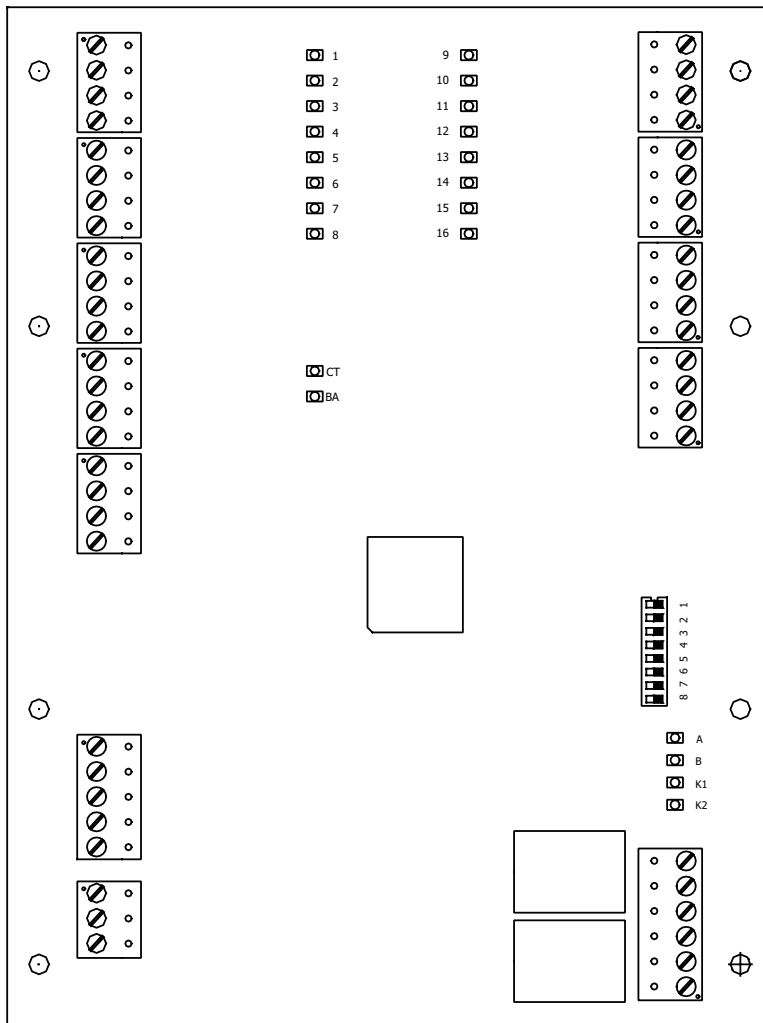
0—70 °C operational, -55—85 °C storage

Humidity:

0 to 95% RHNC

Standards:

UL 294 Recognized, CE Compliant, RoHS


For More Information:

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