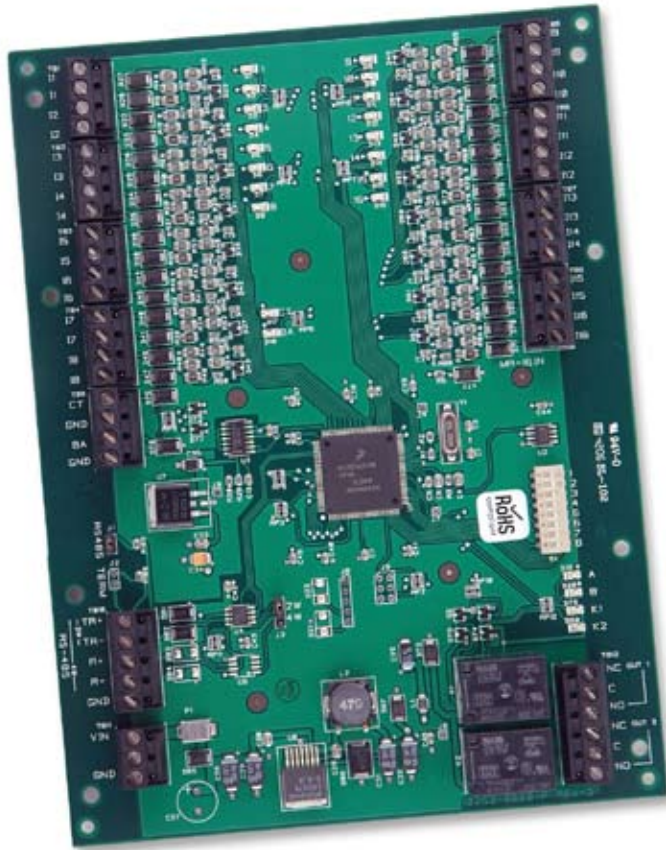


RS2 Technologies

a family of access management hardware solutions

MR-16IN



The MR-16IN is a multi-device interface panel that can monitor a high concentration of inputs.

The MR-16IN includes these features:

- 12-24 VDC operation
- 2-wire RS-485 serial communications
- Dedicated cabinet tamper and power monitor inputs
- 16 programmable inputs
- 2 programmable relay outputs
- AES 128-bit data encryption
- Universal I/O device characterization
- Configurable input parameters
- Ability to initiate commands by operator, time schedules, or events
- Ability to control & respond to external device commands
- UL 294, CE, RoHS

RS2 Technologies has developed an integrated family of access management hardware that can be configured to meet a wide variety of applications. The RS2 family includes a selection of Interface Modules that adds functionality and flexibility to the System Control Processor line. RS2 Interface Modules are devices that are designed to interface with a variety of card readers, general-purpose input monitor points, and output control relays through an SCP. Interface Modules can be used for a variety of applications, including status annunciation and alarm monitoring applications (such as door sensors, glass break sensors, water/water flow sensors, and motion and smoke detectors) and for general facility control such as lighting, heating/cooling, door and elevator control applications. RS2 Interface Modules include the MR-16OUT and the MR-16IN.

MR-16IN

RS2's MR-16IN will interface sixteen general-purpose input monitor points and two control relays to an access management system through an SCP (System Control Processor). Inputs are often used in alarm monitoring applications, as previously described. The MR-16IN can also be used in elevator applications that require floor select capability. The inputs support normally open, normally closed, supervised and non-supervised circuits. The input circuits are scanned using an Analog to Digital Converter. The digitized input status data is filtered and processed. The filter parameters are configurable for each input point.

Application Note

The two control relays can be configured for fail safe or fail secure operation. Relays support "On", "Off", and "Pulse" commands. A pulse may range from .1 second to over 18 hours.



Technical Specifications

Primary Power:

12-24 VDC +/- 10%, 350 mA maximum

12 VDC @ 300 mA maximum

24 VDC @ 220 mA maximum

Communication:

RS-485, 2-wire, 4000' (1,200 m), twisted pair with shield

Inputs:

16 general purpose, programmable circuit type

2 dedicated: tamper and power monitor

Outputs:

2 relays: Form C, 5 A, 28 VDC

Dimensions:

6.0" x 8.0" x 1.0"

(152 mm x 203 mm x 25 mm)

Temperature:

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

Humidity:

0%-95% RHNC

Standards:

UL 294, CE, RoHS

For more information, please contact:

