



MR-52



The MR-52 is a cost-effective, high-performance dual reader I/O module.

The MR-52 includes these features:

- Support for up to 8 different card formats/technologies, as well as keypads, integrated keypad readers, and biometric readers
- Universal I/O device characterization
- Hardware interface and card format settings are loaded through software commands
- Inputs and relays assignable to door-related functions or general purpose I/O
- Relays can be configured for fail-safe or fail-secure operation
- 2-wire RS-485 serial communications at speeds up to 115.2 KBps
- Supervised or unsupervised inputs
- Up to 8 facility codes may be active in each unit
- AES 128-bit data encryption
- UL, CE, RoHS, HSPD12/FIPS 201

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 field Input/Output (I/O) Card Reader Modules that adds functionality and flexibility to the System Control Processor line. RS2 I/O Modules include the MR-50 single-reader model, the MR-51E network-capable, PoE (Power-over-Ethernet)-enabled single-or-paired-reader model, and the MR-52 dual-reader model. All three models pass access request and status change information to an SCP for processing. Data and activities from selected system devices pass from other devices in the network, generating actions and activities as they transpire, independent of the host computer. When not connected to an SCP, the units are capable of locally processing access requests based on facility code verification.

MR-52 (Dual-Reader I/O Module)

The MR-52 will interface two card readers and associated door hardware, four general-purpose input monitor points, and four control relays. Up to eight facility codes may be active in each MR-52. The MR-52's two reader ports support magnetic stripe, Wiegand, OSDP (Open Supervised Device Protocol) and proximity card readers, as well as keypads and integrated keypad readers. Hardware interface and card format settings are loaded through software commands. Inputs support normally open, normally closed, supervised, and non-supervised circuits. EOL (end-of-line) resistance values are configurable. The relays can be configured for fail-safe or fail-secure operation. The inputs and relays may be assigned to door related functions or to general purpose I/O.

Application Note

The MR-52 is easy to install, and is a versatile and reliable interface component that provides control for two doors, with auxiliary point control and monitoring. It delivers cost-effective out-board flexibility to connect an RS2 system control processor to the system network.



Technical Specifications

Primary Power:

12-24 VDC +/- 10%, 550 mA maximum
 12 VDC @ 450 mA nominal
 24 VDC @ 270 mA nominal

Communication:

RS-485, 2-wire, 4,000' (1,200 m), twisted pair with shield

Reader Ports:

2 reader ports

Power:

12 VDC regulated, 125 mA each reader

LED:

2-wire, or 1-wire bi-color LED support

Buzzer:

Only with 1-wire LED

Inputs:

8 general purpose: programmable circuit type
 2 dedicated: tamper and power monitor

Outputs:

6 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:

