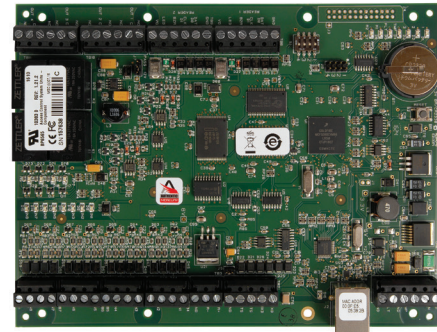


VMRC-2 Dual Reader Controller (Authentic Mercury)

OVERVIEW

The VMRC-2 is a Dual Reader Controller capable of supporting up to 16 devices. Panel supports 2 devices directly via on-board reader interfaces and an additional 14 devices. Built on the Authentic Mercury platform (Mercury Hardware and Firmware), the VMRC-2 communicates with the Vanderbilt Security Management System software via TCP/IP protocol and can be connected to a variety of different read head technologies and electronic locking devices. The communication architecture is capable of being fully networked thereby saving the customer wiring and expensive installation labor costs.

The VMRC-2 includes (8) general purpose contact inputs and (4) Form-C relay outputs and (2) dedicated tamper switch connections.



FEATURES AND BENEFITS

- On-board reader interface support for two (2) doors
- Includes (8) supervised contact inputs and (4) Form-C relay outputs
- Supports up to 16 devices total, including:
 - Standard Wiegand device support using VRI-1 and VRI-2 Reader Interfaces
 - VI-16IN Input and VI-16O Output Modules
- On board 10/100 Base-T Ethernet connection
- Two RS-485 channels of 8 multi-dropped terminal strips
- On board tamper switch connector
- TLS encryption between SMS and the controller
- TLS encryption certificate is end user replaceable
- HSPD-12/FIPS201 compliant (at the controller level)
- Multiple card formats supported (as defined in SMS)
- Diagnostic LEDs
- Supports proximity, smart card, magnetic stripe, biometrics, barcode and Wiegand technologies
- UL294 Recognized, CE Compliant, ROHS,
- FCC Part 15 Class A, NIST Certified Encryption

SPECIFICATIONS

| | |
|---------------------------------|--|
| Dimensions: | 8.0"H x 6.0"W x 1.0D" (203mm x 152mm x 25mm) |
| Enclosure: | 12 1/4" H x 10 1/4" W x 2 3/4" D |
| Power requirements: | 12-24 VDC |
| Power consumption: | 500mA (excluding peripheral devices) |
| Serial Ports: | Primary 10/100 Ethernet RS-485, 2-wire |
| Inputs: | 8 general purpose: programmable circuit type Two dedicated: tamper and power monitor Outputs: 4 relays: Form C, 5A 30Vdc Reader Ports: 2 Reader ports |
| Power: | Unregulated pass through (150mA max.) Signaling Card/Data, Wiegand or RS-485 |
| Keypad: | Multiplexed with card data |
| LED: | Two-wire or one-wire bicolor support |
| Buzzer: | Only with 'one-wire' LED |
| Ambient temperature: | -55°C to +85°C or -67°F to 185°F storage 0°C to 70°C or 32°F to 158°F operational |
| Humidity: | 0% to 95% RHNC |
| Recommended data cable: | 18 AWG/2 COND, stranded, shielded, twisted (up to 4000') to RS-485 channel devices |
| Recommended power cable: | 18 AWG/2 COND, stranded, shielded, twisted (up to 500'); devices beyond 500' should be powered locally |

Compatible with SMS software 6.4 and higher

Requires a UL 294 power limited power supply capable of 4 hours standby power

ORDERING INFORMATION

VMRC-2 - Dual Reader Controller / Authentic Mercury

Note: VMRC-2 can be ordered without enclosure.

Use (NB) to specify no box.

OPTIONS

VRI-1 - Single Reader Interface

VRI-2 - Dual Reader Interface

Note: Use (NB) to specify no box

VI-16IN 16 Input Monitor Module

VI-16O 16 Relay Output Module

Note: Use (NB) to specify no box

VANDERBILT