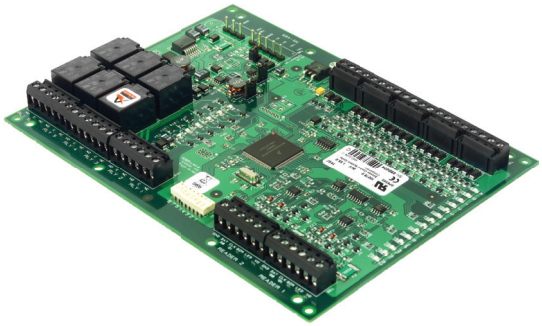
# *VRI-2*
## *Dual Reader Interface*



### OVERVIEW

The VRI-2 Dual Reader Interface offers a cost effective, modular approach to access control system design in all environments. Vanderbilt Industries Reader Interfaces can be used in smaller systems as well as large installations with thousands of readers. The VRI-2 communicates directly with the Vanderbilt VRCNX-M or VSRC-M Reader Controllers. Vanderbilt Reader Interfaces are capable of running in degraded mode, allowing for local decision making, if communication fails between the Reader Interface and the Reader Controller.

Hardware interface and card format settings are loaded through software commands. With its compact footprint and RS-485 connectivity, the VRI-2 supports two doors and can be clustered or distributed to best suit the installation environment.

The Dual Reader Interface supports 8 programmable inputs and 6 programmable relay outputs. Inputs and the relays may be assigned to door related functions or to general purpose I/O. The inputs support normally open, normally closed, supervised and non-supervised circuits. End–of–line (EOL) resistance values are configurable. The relays can be configured for fail safe or fail secure operation. Includes enclosure.

### FEATURES AND BENEFITS

- VRI-2 connects two read heads to a Vanderbilt VRCNX-M or VSRC-M Reader Controller via RS-485 protocol
- Supports proximity, smart card, magnetic stripe, biometrics, bar code and Wiegand technologies
- 8 programmable inputs and 6 programmable relay outputs
- UL294 recognized
- Degraded mode
- Metal enclosure with hinged and dual screw door
- On board connection for tamper switch
- Tamper switch, lock and key option available

## SPECIFICATIONS

| | |
|---|---|
| **Dimensions:** | 6.0′ W x 8.0′ L x 1.0′ H,<br>(152mm W x 203mm L x 25mm H) |
| **Enclosure:** | 12 1/4″ H x 10 1/4″ W x 2 3/4″ D |
| **Power requirements:** | 12-24 VDC +/- 10%<br>12Vdc @ 450mA nominal<br>24Vdc @ 270mA nominal |
| **Power consumption:** | 550mA maximum<br>(without read heads) |
| **Reader Port** | 2 Reader Ports<br>Power: 12 Vdc regulated or pass-through, 125mA each reader<br>Data Card/Keypad Clock/Data, Data–1/ Data–0, or RS-485 |
| **LED:** | One-wire, or two-wire bi-color LED support |
| **Buzzer:** | Only with ′one-wire′ LED |
| **Inputs:** | 8 General purpose:<br>Programmable circuit type<br>2 Dedicated: Tamper and Power Monitor |
| **Output Relays:** | 6 Relays: Form–C, 5 Amp 28 Vdc |
| **Ambient temperature:** | 0—70 °C operational,<br>-55—85 °C storage |
| **Humidity:** | 0 to 95% RHNC |
| **Maximum RS485 (data) distance between reader controller to VRI-2 is 4,000 feet with local power** | |
| **Recommended cable:** | 18 AWG/2 COND, Stranded, Shielded,Twisted (RS485data only) |
| **Standards:** | UL 294 Recognized, CE compliant, RoHS |

## ORDERING INFORMATION

**VRI-2** Dual Reader Interface

Note: Can be ordered without enclosure.
Use (-NB) to specify no box.

## OPTIONS

**VLOCK** Enclosure Lock (comes with (2) keys, tamper switch and cables)

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