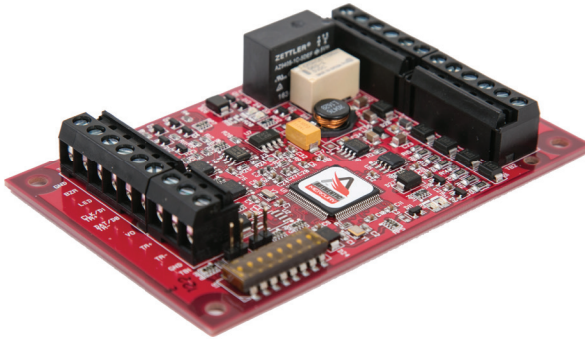


SECURITY MANAGEMENT SYSTEM (SMS)

VRI-1S3 Single Reader Interface



Overview

The VRI-1S3 Single 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-1S3 communicates directly with the Vanderbilt VRCNX-A or VSRC-A 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-1S3 can be clustered or distributed to best suit the installation environment.

The Single Reader Interface supports 2 programmable inputs and 2 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.



✓ KEY FEATURES

- VRI-1S3 connects one read head to a Vanderbilt VRCNX-A or VSRC-A Reader Controller via RS-485 protocol
- Supports proximity, smart card, magnetic stripe, biometrics, bar code and Wiegand technologies
- 2 programmable inputs and 2 programmable relay outputs
- Improved processor and increased memory
- 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	2.75" L x 4.25" W x 1.0" H (70mm L x 108mm W x 25.4mm H)
Enclosure	7-1/2" H x 8-1/4" W x 2-3/4" D
Power Requirements	12-24 Vdc +/- 10% 12Vdc @ 110mA nominal 24Vdc @ 60mA nominal
Power Consumption	150mA maximum (without read heads)
Reader Port	1 Reader Port Power: Input voltage pass-through (IMPORTANT: May require Adjustable DC Output Voltage Module (DCPM-1) to regulate voltage 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	2 General purpose: Programmable circuit type 1 Dedicated: Tamper
Output Relays	Relay 1: Normally open contact (NO): 5A @ 30 Vdc resistive Normally closed contact (NC): 3A @ 30 Vdc resistive Relay 2: 2A @ 30 Vdc resistive
Ambient Temperature	-40—75 °C operational, -55—85 °C storage
Humidity	0 to 95% RHNC
Recommended Cable	18 AWG/2 COND, Stranded, Shielded, Twisted, Belden 9841 (RS485 data only)
Standards	UL 294 Recognized, CE compliant, RoHS, FCC Part 15 Subpart B
Maximum RS485 (data) distance between reader controller to VRI-1S3 is 4,000 feet with local power	

Ordering Information

VRI-1S3	Single 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)
DCPM-1	Adjustable DC Output Voltage Module

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vanderbiltindustries.com

@VanderbiltInd

Vanderbilt Industries

Vanderbilt Industries

2 Cranberry Road
Parsippany, NJ 07054

973 316 3900

an **ACRE**
company

06017-1219