

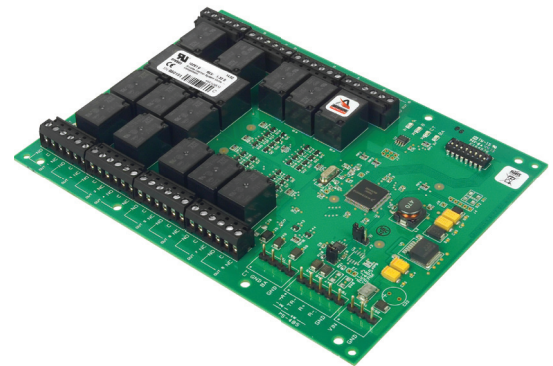
## VI-160

### 16 Relay Output Module

#### OVERVIEW

The Vanderbilt Industries 16 Relay Output Module (VI-160) is capable of supporting 16 general purpose outputs as Form C relay contacts which can be individually configured for timing and fail-safe or fail secure modes. Relay operation may be initiated by direct operator commands, time schedules, or event-based procedures. The relays support "On", "Off", "Pulse", and "Repeating Pulse" commands.

The VI-160 communicates directly to the VRCNX-M Reader Controller board. The VI-160 supports universal triggers, which integrates any input associated with any output response or a multitude of output responses and can be used to integrate alarm control and/or elevator floor control. Includes enclosure.



#### FEATURES AND BENEFITS

- VI-160 connects to the Vanderbilt VRCNX-M Reader Controller via RS-485 protocol
- 16 general purpose Form "C" single pole/double throw, mechanically latching 5 A relay outputs
- Metal enclosure with hinged and dual screw door
- Connection for on-board tamper switch
- Tamper switch, lock and key option available

## SPECIFICATIONS

<b>Dimensions:</b>	6.0' W x 8.0' L x 1.0' H (152mm W x 203mm L x 25mm H)
<b>Enclosure:</b>	12 1/4" H x 10 1/4" W x 2 3/4" D
<b>Power requirements:</b>	12-24 Vdc +/- 10%, 1100 mA maximum 12Vdc @ 850mA nominal 24Vdc @ 450mA nominal
<b>Inputs:</b>	2 Dedicated: Tamper and Power Monitor
<b>Outputs:</b>	16 Relays: Form-C, 5 Amp 28 VDC
<b>Ambient temperature:</b>	0—70 °C operational, -55—85 °C storage
<b>Humidity:</b>	0 to 95% RHNC
<b>Maximum RS485 (data) distance between reader controller to VI-160 is 4,000 feet with local power</b>	
<b>Recommended cable:</b>	18AWG/2 COND Stranded, Shielded, Twisted (RS485 data only)
<b>Standards:</b>	UL 294 Recognized, CE Compliant, RoHS

## ORDERING INFORMATION

**VI-160** 16 Relay Output Module

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

Note: Can be ordered without enclosure.

Use (-NB) to specify no box.

# VANDERBILT