

VBB-RI **bright blue**® Reader Interface

OVERVIEW

The VBB-RI offers a cost effective, modular approach to access control system design. The VBB-RI is the bridge between the reader controller and the reader, and is supported by the Vanderbilt Industries **bright blue**® Reader Controller (VBB). The VBB-RI is compatible with several read head technologies and supports facility lockdown and degraded mode.



FEATURES AND BENEFITS

- VBB-RI connects one reader via RS485 protocol to the VBB reader controller
- Compatible with proximity, smart card, biometrics, magnetic stripe, barcode and Wiegand read head technologies
- Two form C, single pole/double throw, mechanically latching 1A relays (pre-programmed for dedicated functionality)
- Four contact inputs
 - Door exit request
 - Door position switch
 - Push button override
 - Auxiliary input
- Facility lockdown via credential or external pushbutton
- Degraded mode
- Metal enclosure with hinged and dual screw door
- On board connection for tamper switch
- Tamper switch, lock & key option available

SPECIFICATIONS

Dimensions	3-3/16" H x 3-3/16" W x 3/4" D
Enclosure	8.25" H x 7.5" W x 3.5" D
Power Requirements	12VDC to 24 VDC, can be powered from reader controller or locally
Power Consumption	300mA (with read head)
Ambient Temperature (without heater)	32°F – 120°F or 0°C – 49°C
Humidity	10% - 90% (non-condensing)
Maximum Distance to VBB	4,000 feet, RS485 data
Recommended Cable to Read Head	18 AWG/6 COND, stranded, shielded, twisted
Recommended Cable to the VBB Controller	18 AWG/4 COND, stranded, shielded, twisted
NEMA 1 rated enclosure with optional lock and tamper switch	

ORDERING INFORMATION

VBB-RI - **bright blue**® Reader Interface

ACCESSORIES

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

VANDERBILT