

VP-300, VP-500 & VP-640

Proximity Readers

OVERVIEW

VI-Series Proximity Readers set the electronic security benchmark for 125kHz technology readers. Based upon proven contactless digital radio frequency identification (RFID) technology, VI-Series readers comply with Wiegand communication protocol and interface with a wide variety of electronic access control systems, including Vanderbilt SMS and bright blue®.

Available in mullion, single gang and keypad models, the VI-Series' compact design makes it ideal for a variety of applications. With the electronics sealed in a weather and tamper resistant epoxy potting, these readers can be used in both indoor and outdoor settings.



FEATURES AND BENEFITS

- Indoor and outdoor installation
- Keypad model available for Card plus PIN
- LED indicator (red, green, amber & off)
- Audio tone beeper
- Supports VI-Series Proximity credentials
- Black and White covers included
- Limited lifetime warranty

SPECIFICATIONS

Model:	VP-300	VP-500	VP-640
Reader Type:	Proximity Mullion	Proximity Single Gang	Proximity Single Gang Keypad
Frequency:	125 kHz	125 kHz	125 kHz
Application:	Slim design makes it ideal for applications such as door access (metal mullion, door or window frame mount), gate entry and parking barriers.	Compact design makes it ideal for applications such as door access (metal or plastic wall-box mount), gate entry and parking barriers.	Compact design makes it ideal for applications requiring both a card reader and a keypad (PIN), such as door access (metal or plastic wall-box mount), gate entry and parking barriers.
Read Range¹:	Up to 6 inches (152 mm)	Up to 8 inches (203 mm)	Up to 8 inches (203 mm)
Mounting:	Mullions, including metal door and window frames, as well as flat surfaces	Metal or plastic US single-gang wall box, as well as flat surfaces	
Interface:	Wiegand	Wiegand	Wiegand
Voltage²:	+5 - 16 VDC	+5 - 16 VDC	+5 - 16 VDC
Current Draw:	30 mA typical, 75 mA peak @ 12VDC	35 mA typical, 75 mA peak @ 12VDC	70 mA typical, 110 mA peak @ 12VDC
Cabling³:	24 AWG minimum, multi-conductor stranded with an overall foil shield		
Indoor & Outdoor Installation:	Electronics sealed in weather-and tamper-resistant epoxy potting		
LED:	Four-state standard (red, green, amber & off)		
IP Code⁴:	IP67	IP67	IP67
Audio Tone:	Beeper included standard	Beeper included standard	Beeper included standard
Keypad Output⁵:	N/A	N/A	Wiegand
Color Options:	A black and a white snap-on cover included standard		
Certifications:	FCC, ICC, CE, C-Tick		
Dimensions (HxWxD):	3.2 x 1.7 x 0.7 inches (80 x 43 x 17 mm)	4.6 x 3 x 0.4 inches (116 x 77 x 10 mm)	4.6 x 3 x 0.75 inches (117 x 76 x 19 mm)
Operating Temperature:	-40° F to 149° F (-40° C to +65° C)	-40° F to 149° F (-40° C to +65° C)	-40° F to 149° F (-40° C to +65° C)
Weight:	3 oz. (85g)	4 oz. (113g)	4 oz. (113g)
Warranty:	Limited lifetime warranty	Limited lifetime warranty	Limited lifetime warranty

TECHNOLOGIES SUPPORTED

VI Series Proximity Cards and Tags ⁶

VI Series + certain HID and AWID 125-kHz Proximity protocols ⁷

¹ Using VPSC-1 Standard Light Proximity Card with 12VDC at the reader.

² Linear power supplies are recommended for best operation.

³ For example Belden 9535 or similar

⁴ Self evaluated

⁵ Available only on VP-640 models; 8-Bit Burst or 26-bit Wiegand standard, for 4-Bit Burst and other options please contact factory

⁶ Examples include VPSC-1, VPSM-2P, VPSM-2S and VPSK-3; Vanderbilt 34-bit format unless otherwise specified

⁷ Examples include HID ProxCard® II, ISOProx® II and ProxKey® II; and AWID CS Prox Card, GR (ISO) Graphics Quality Prox Card and KT Key Tag

ORDERING INFORMATION

VP-300 - Proximity Reader (Mullion Mount)

VP-500 - Proximity Reader (Wall Mount)

VP-640 - Proximity Reader w/Keypad (Wall Mount)

*24VDC required when powered from VI panels

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