



The ComNet VP Series Proximity Readers set the electronic security benchmark for 125kHz technology readers. Based upon proven contactless digital radio frequency identification (RFID) technology, these readers comply with Wiegand communication protocol and interface with a wide variety of electronic access control systems.

Available in mullion, single gang, double gang, and keypad models, the readers' compact design makes them 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

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

## APPLICATIONS

- › Doors
- › Parking
- › Turnstiles
- › Keypads

## SPECIFICATIONS

## Signal

Frequency	125 kHz
Read Range <sup>1</sup>	VP-300: Up to 6 in (15.2 cm) VP-500 and VP-640: Up to 8 in (20.3 cm) VP-620: Up to 5 in (12.6 cm) VP-900: Up to 20 in (50.4 cm)
Interface	Wiegand
Keypad Output	Wiegand (VP-620 & VP-640 Only)

## Power

Operating Voltage Range	5 to 16 VDC 24 VDC from VI Panels
Power Consumption	VP-300: 30mA typical, 75 mA peak @ 12 VDC VP-500: 35 mA typical, 75 mA peak @ 12 VDC VP-640: 70 mA typical, 110 mA peak @ 12 VDC VP-620: 70 mA typical, 110 mA peak @ 12VDC VP-900: 290 mA typical, 500 mA peak @ 12VDC

## Technologies Supported

Proximity Cards and Tags	VP Series (include VPSC-1, VPSM-2P, VPSM-2S and VPSK-3; 34-bit format unless otherwise specified)
Proximity protocols	VP Series + certain HID and AWID 125-kHz (include HID ProxCard® II, ISOProx® II and ProxKey® II; and AWID CS Prox Card, GR (ISO) Graphics Quality Prox Card and KT Key Tag)

## Mechanical

Indicator LEDs	Status
Cabling	24 AWG min, multi-conductor stranded with an overall foil shield
Enclosure Rating	IP-67
Potting	Electronics sealed in weather- and tamper-resistant epoxy potting
Audio Tone	Beeper included standard
Dimensions (HxWxD)	VP-300: 3.2 x 1.7 x 0.7 inches (80 x 43 x 17 mm) VP-500: 4.6 x 3.0 x 0.4 inches (116 x 77 x 10 mm) VP-620: 6.1 x 1.78 x .91 inches (155 x 45 x 23 mm) VP-640: 4.6 x 3.0 x 0.75 inches (117 x 76 x 19 mm) VP-900: 10.5 x 10.5 x 2 inches (267 x 267 x 51 mm)
Weight	< 1 lb / 0.5 kg

## Environmental

Operating Temperature	-40°C – 149°C
-----------------------	---------------

## Certifications

FCC, ICC, CE, C-Tick

## ORDERING INFORMATION

Part Number	Description
VP-300	Proximity Mullion Reader (Mullion or Surface Mount)
VP-500	Proximity Single Gang Reader (Wall or Surface Mount)
VP-620	Proximity Mullion Reader with Keypad (Mullion or Surface Mount)
VP-640	Proximity Single Gang Reader with Keypad (Wall or Surface Mount)
VP-900	Proximity Double Gang Reader (Wall or Surface Mount)
Included Accessories	Black and white snap-on covers
Compatible Options (sold separately)	VBB bright blue 32-Door Web-Based Access Control Platform VLB lite blue 8-Door Web-Based Access Control Platform VP Series Proximity Credentials

[1] Using VPSC-1 Standard Light Proximity Card with 12VDC at the reader. Please reference VP Series Proximity Credentials data sheet.

In a continuing effort to improve and advance technology, product specifications are subject to change without notice.

TYPICAL APPLICATION

