



# VAX-600KP

## PROXIMITY READER & KEYPAD



DOORS



PARKING



TURNSTILES



KEYPAD



**Frequency:** 125 kHz

**Read Range:** Up to 7 inches (176 mm)



### MAXSecure™

Integrated High-Security Technology



### fleaPower™

Energy-Conservation Technology



### Pro-X™

Read-Range Boosting Technology



### ETL Listed

Independently Tested & Certified



### Wiegand

Output Interface



### U.S. Single-Gang Wall-Box Mount

Metal or Plastic Box & Flat Surfaces

## VAX-600KP PROXIMITY READER & KEYPAD

The VAX-600KP Proximity Reader & Keypad sets the electronic security benchmark for 125-kHz proximity readers. Based upon proven contactless digital radio frequency identification (RFID) technology, VAX-600KP readers interface with Vicon's VAX access control system by complying with the Wiegand communication protocol. They offer value-add features such as MAXSecure™ and fleaPower™ and support Vicon proximity card and tag technologies. Additionally, cards and tags are passive devices, eliminate maintenance by requiring no battery, and can be ordered to support several proximity reader technologies.

Specifications	VAX-600KP
Technology	Proximity
Frequency	125 kHz
Mounting	Metal or plastic US single-gang wall box, as well as flat surfaces
Dimensions	3" W × 4.6" H × 0.75" D (76 mm × 117 mm × 19 mm)
Weight	4 oz (113 g)
Certifications	FCC, ICC, CE, C-Tick, ETL Listed
IP Code <sup>1</sup>	IP67
Voltage <sup>2</sup>	+5 – 16 VDC
Current Draw	70 mA typical, 110 mA peak @ 12 VDC
Read Range <sup>3</sup>	Up to 7 inches (176 mm)
Cabling <sup>4</sup>	24 AWG minimum, multiconductor stranded with an overall foil shield
Interface	Wiegand
Operating Temperature	–40° F to 149° F (–40° C to +65° C)
Color Options	Black and a white snap-on cover included standard
Audio Tone	Beeper included standard
Indoor & Outdoor Installation	Electronics sealed in weather- and tamper-resistant epoxy potting
LED	Four-state standard (red, green, amber, and off)
Keypad Output <sup>5</sup>	Wiegand
Technologies Supported	VAX Cards and Tags <sup>6</sup>

**NOTES:**

- 1 Self evaluated.
- 2 Linear power supplies are recommended for best operation.
- 3 Using VAX-CRD-SD Standard Proximity Card with 12 VDC at the reader.
- 4 For example, Belden 9535 or similar.
- 5 Available only on VAX-600KP models; 8-Bit Burst or 26-bit Wiegand standard, for 4-Bit Burst and other options, please contact Vicon.
- 6 Examples may include, and may not be limited to, VAX-CRD-SD, VAX-CRD-MT, and VAX-PRX-TAG.

