



VAX-300R

PROXIMITY READER



DOORS



PARKING



TURNSTILES



Frequency: 125 kHz

Read Range: Up to 5 inches (126 mm)



MAXSecure™

Integrated High-Security Technology



fleaPower™

Energy-Conservation Technology



Pro-X™

Read-Range Boosting Technology



ETL Listed

Independently Tested & Certified



Wiegand

Output Interface



Mullion Mount

Metal Door, Window Frames & Flat Surfaces

VAX-300R PROXIMITY READER

The VAX-300R Proximity Reader sets the electronic security benchmark for 125-kHz proximity readers. Based upon proven contactless digital radio frequency identification (RFID) technology, VAX-300R readers interface with the Vicon VAX access control system by complying with the Wiegand communication protocol. They offer value-add features such as MAXSecure™ and fleaPower™ and support VAX proximity card and tag technologies. Additionally, these cards and tags are passive devices, eliminate maintenance by requiring no battery, and can be ordered to support several proximity reader technologies.

Specifications	VAX-300R
Technology	Proximity
Frequency	125 kHz
Mounting	Mullions, including metal door and window frames, as well as flat surfaces
Dimensions	1.7" W × 3.2" H × 0.7" D (43 mm × 81 mm × 18 mm)
Weight	3 oz (85 g)
Certifications	FCC, ICC, CE, C-Tick, ETL Listed
IP Code ¹	IP67
Voltage ²	+5 – 16 VDC
Current Draw	30 mA typical, 75 mA peak @ 12 VDC
Read Range ³	Up to 5 inches (126 mm)
Cabling ⁴	24 AWG minimum, multiconductor stranded with an overall foil shield
Interface	Wiegand ABA Track II
Operating Temperature	–35° 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 ⁵	N/A
Technologies Supported	VAX Proximity Cards and Tags ⁶

NOTES:

- 1 Self evaluated.
- 2 Linear power supplies are recommended for best operation.
- 3 Using VAX-CRD-SD 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.

Vicon reserves the right to change specifications without notice.

