VICON

VAX-LRR2
LONG-RANGE
RECEIVER

DOORS   PARKING   TURNSTILES   ALARMS

Frequency: 433 MHz
Read Range: Up to 100 feet (30.5 m)

MAXSecure™
Integrated High-Security Technology

ETL Listed
Independently Tested & Certified

Wiegand
Output Interface

VAX-LRR2 LONG-RANGE RECEIVER

THE VAX-LRR2 Long Range Receiver sets the electronic security benchmark for high frequency, long-range identification Receivers. Based upon proven contactless digital ultra high frequency (UHF) technology, the VAX Receiver interfaces with the VAX access control system by complying with the Wiegand communication protocol. They offer value-add features such as MAXSecure™ and up to 200 feet of read range (VAX-LRR4). Additionally, Transmitters are active devices, powered by the most reliable and common battery, and equipped with a potted proximity or contactless smartcard module. The module supports VAX proximity reader technology and allows the Transmitter to be used as a close-range credential.

Specifications	VAX-LRR2
Technology	Long range
Frequency	433 MHz
Mounting[1]	Any flat surface
Dimensions	3.3" W × 3.3" H × 1.9" D (84 mm × 84 mm × 48.3 mm)
Transmission	Rolling code + encryption
Weight	8 oz (227 g)
Certifications[2]	FCC, ICC, CE, ETL Listed
IP Code[3]	IP65
Voltage[4]	12 VDC nominal
Current Draw	80 mA typical @ 12 VDC
Read Range[5]	Up to 100 feet (30.5 m), non-adjustable
Cabling[6]	24 AWG minimum, multiconductor stranded with an overall foil shield
Interface[7]	Wiegand (26 bit industry standard and custom Wiegand formats)
Operating Temperature	−40° F to 149° F (−40° C to +65° C)
Enclosure Color	Off-white plastic enclosure
Audio Tone	N/A
Indoor & Outdoor Installation	Electronics sealed in a weather-resistant, UL listed enclosure
LED	External four-state standard (red, green, amber, and off), Power (blue), and Channel (green)
Transmitters Supported	VAX-LRT2 VAX-LRT4

NOTES:

1. Receiver includes pre-drilled holes in the four corners allowing installation to any flat surface. Mounting to metal and other materials may affect read range.
2. Carrying the ETL Label and tested by Intertek, conforms to UL 294.
3. Self evaluated.
4. Linear power supplies are recommended for best operation.
5. Receiver range covers a 360-degree radius and does not need to be installed in line-of-sight to the Transmitters to function. Operation at the "up to" read range stated should be reliable. However, environmental conditions, as well as the locations of the Transmitter and Receiver will affect read range.
6. For example, Belden 9540 or similar, wiring to a 6-Pin pluggable terminal block.
7. Supports two channels per Receiver, supporting exclusively Transmitter buttons 1 and 2.

Visit our website for detailed information: www.vicon-security.com