![Vicon logo]

VAX-LRR4
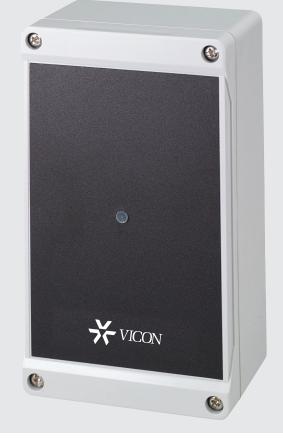# LONG-RANGE
RECEIVER

DOORS   PARKING   TURNSTILES   ALARMS

Frequency: 433 MHz
Read Range: Up to 200 feet (61 m)

MAXSecure™
Integrated High-Security Technology

ETL Listed
Independently Tested & Certified

Wiegand
Output Interface

U.S. or European Wall-Box Mount
Box & Flat Surfaces

VAX-LRR4 LONG-RANGE RECEIVER

The VAX-LRR4 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 Receivers interface with the Vicon VAX access control systems 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, VAX 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-LRR4
Technology	Long range
Frequency	433 MHz
Mounting[1]	USA/European wall box or any flat surface
Dimensions	3.4" W × 6.3" H × 2.3" D (86.4 mm × 160 mm × 58.4 mm)
Transmission	Rolling code + encryption
Weight	12 oz (340 g)
Certifications[2]	FCC, ICC, CE, ETL Listed
IP Code[3]	IP65
Voltage[4]	12 VDC nominal
Current Draw	120 mA typical @ 12 VDC
Read Range[5]	Up to 200 feet (61 m), installer 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 with black label
Audio Tone	Beeper included standard, installer switchable
Indoor & Outdoor Installation	Electronics sealed in a weather-resistant, UL listed enclosure
LED	Four-state standard (red, green, amber, and off), installer switchable, as well as Power (blue) and Channel (green)
Transmitters Supported	VAX-LRT2 VAX-LRT4

NOTES:

1   Receiver includes a drill template providing mounting provisions to USA or European wall boxes, and pre-drilled holes in the four corners allowing installation to any flat surface. Mounting to metal 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   Rotate read range dial on the receiver to adjust. Receiver range covers a 360-degree radius and does not need to be installed in line-of-sight to the Transmitters to function. Read range can be extended using a separate dipole antenna attaching to Receiver's on-board BNC connector.

6   For example, Belden 9540 or similar, wiring to a 10-Pin pluggable terminal block.

7   Supports four channels per Receiver, supporting Transmitter buttons 1, 2, 3, and 4.

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