



VAX-LRT2 & VAX-LRT4 LONG-RANGE TRANSMITTERS



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

Frequency: 125 kHz or 13.56 MHz
Read Range: Up to 3.5 inches (88 mm)



MAXSecure™
Integrated High-Security Technology



ETL Listed
Independently Tested & Certified



Wiegand
Output Interface



Slot-Punch
Built-in Eyelet



Contactless
Button Press – Up to 200 ft (61 m)
Presentation – Up to 3.5 in (88 mm)

VAX-LRT2 & VAX-LRT4 LONG-RANGE TRANSMITTERS

The VAX-LRT2 & VAX-LRT4 Long-Range Transmitters set the electronic security benchmark for high frequency, long-range identification Transmitters. Based upon proven contactless digital ultra high frequency (UHF) technology, the Receivers interface with the Vicon 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, VAX Transmitters are active devices, powered by the most reliable and common battery, and equipped with a potted proximity or contactless smartcard module. The modules support VAX proximity reader technology and allows the Transmitter to be used as a close-range credential.

Specifications	VAX-LRT2 & VAX-LRT4
Technology	Long range
Frequency	Button press – 433 MHz Presentation – 125 kHz or 13.56 MHz
Marking	Date code and ID
Dimensions	1.45" W × 2.5" H × 0.56" D (37 mm × 63.5 mm × 14.2 mm)
Button Press Transmission	Rolling code + encryption
Weight	0.7 oz (20 g)
Certifications	FCC, ICC, CE, ETL Listed
IP Code ¹	IP65
Battery ²	Single replaceable CR2032, 3.3V, lithium battery
Compatibility	Button press: WRR-42 Receiver Presentation: Pyramid readers and others
Read Range ³	Button press: Up to 200 feet (61 m) Presentation: Up to 3.5 inches (88 mm)
Durability ⁴	Electronics sealed in a weather-resistant enclosure
Interface	Wiegand (26-bit industry standard and custom Wiegand formats)
Operating Temperature	-40° F to 122° F (-40° C to +50° C)
Enclosure Color	Black polycarbonate enclosure with gray ABS keys
Key Ring ⁵	Optional 1-inch (25 mm) key ring
Convenience	Built-in eyelet makes it easy to carry on a key ring or lanyard
LED	Integrated red LED standard (activated upon button press)
Transmitters Models	VAX-LRT2 (2 buttons labeled 1 & 2) VAX-LRT4 (4 buttons labeled 1 through 4)
Presentation Insert Interoperability	VAX-LRT2 or VAX-LRT4: Supports 125-kHz VAX Proximity protocols ⁶

NOTES:

- 1 Self evaluated.
- 2 Rated to typically provide more than 250,000 button presses under normal conditions.
- 3 Button press tested with 12 VDC at VAX-LRR4, presentation with 12 VDC at VAX-500R. Receiver coverage is omni-directional and need not be installed in a line-of-sight configuration.
- 4 Electronics are snap sealed in a weather-resistant enclosure.
- 5 Contact Vicon for ordering information.
- 6 Examples of supporting readers include, but are not limited to, VAX-300R, VAX-500R and VAX-600KP.

Vicon reserves the right to change specifications without notice.

