



# WRR-22 LONG-RANGE RECEIVER



## Ranger<sup>®</sup> Long-Range



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



**MAXSecure<sup>™</sup>**  
Integrated High-Security Technology



**ETL Listed**  
Independently Tested and Certified to Conform to UL Standard 294



**Warranty**  
One-Year Warranty



**Wiegand**  
Output Interface

## WRR-22 LONG-RANGE RECEIVER

Ranger from Farpointe Data sets the electronic security benchmark for high frequency, long-range identification Receivers and Transmitters. Based upon proven contactless digital ultra high frequency (UHF) technology, the Ranger Receivers interface with a wide range of electronic access control systems by complying with the Wiegand communication protocol. Additionally, Ranger Transmitters are active devices, powered by the most reliable and common battery, and equipped with a potted proximity or contactless smartcard module. The modules can be ordered to support several proximity reader technologies and allow the Transmitter to be used as a close-range credential.

Specifications	WRR-22
Technology	Long range
Frequency	433 MHz
Mounting <sup>1</sup>	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	FCC, ICC, CE, UL Standard 294 <sup>2</sup>
IP Code <sup>3</sup>	IP65
Voltage <sup>4</sup>	12 VDC nominal
Current Draw	80 mA typical @ 12 VDC
Read Range <sup>5</sup>	Up to 100 feet (30.5 m), non-adjustable
Cabling <sup>6</sup>	24 AWG minimum, multiconductor stranded with an overall foil shield
Interface <sup>7</sup>	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
Warranty	12 months
LED	External four-state standard (red, green, amber, and off), Power (blue), and Channel (green)
Transmitters Supported	WRT-2+ (all variants) WRT-4+ (all variants, buttons 1 & 2 only)

### NOTES:

- 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.
- Carrying the ETL Label and tested by Intertek, conforms to UL Standard 294.
- Self evaluated.
- Linear power supplies are recommended for best operation.
- 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.
- For example, Belden 9540 or similar, wiring to a 6-Pin pluggable terminal block.
- Supports two channels per Receiver, supporting exclusively Transmitter buttons 1 and 2.

Farpointe Data reserves the right to change specifications without notice.



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