Farpointe Data®
Readers • Credentials

WRR-22
LONG-RANGE
RECEIVER

DOORS   PARKING   TURNSTILES   ALARMS

Ranger® Long-Range

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

MAXSecure™
Unique Security Feature

ETL Listed — Independently Tested and Certified (Wiegand model)
Conforms to UL Standard 294 and ULC 60839-11-1

Warranty
One-Year Warranty

Wiegand or OSDP*
Output Interface

*OSDP receivers are independent models and need to be appended
 with the suffix "-OSDP" when ordering (Example: WRR-22-OSDP).

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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 either the legacy Wiegand communication protocol or the latest bi-directional Open Supervised Device Protocol (OSDP). 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[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	FCC, ICC, CE, UL Standard 294, ULC 60839-11-1[2]
IP Code[3]	IP67
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) or OSDP[8]
Operating Temperature	–40° F to 149° F (–40° C to +65° C)
Operating Humidity	5% to 95% relative humidity non-condensing
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:

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 Standard 294 and ULC Standard 60839-11-1. Only Wiegand models have been evaluated.

3   Equivalent to WRR-44.

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. Shielded, twisted pair (Belden 8723 or similar) for OSDP. Contact your access control system manufacturer for their specific requirements.

7   Supports two channels per Receiver, supporting exclusively Transmitter buttons 1 and 2.

8   OSDP receivers are independent models and need to be appended with the suffix "-OSDP" when ordering (Example: WRR-22-OSDP). Only Channel A (Terminals AD0 and AD1) can have OSDP capability added, and must be specified at time of order.

Images shown are for illustration purposes only. Actual product may vary.

ETL LISTED c   us

Intertek