WRR-44
LONG-RANGE
RECEIVER

DOORS   PARKING   TURNSTILES   ALARMS

Ranger® Long-Range

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

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

*OSDP receivers are independent models and need to be appended
with the suffix "-OSDP" when ordering (Example: WRR-44-OSDP).

WRR-44 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). They offer value-add features such as MAXSecure™ and up to 200 feet of read range (WRR-44). 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-44
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	FCC, ICC, CE, UL Standard 294, ULC 60839-11-1[2]
IP Code[3]	IP67
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) 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 with black label
Audio Tone	Beeper included standard, installer switchable
Indoor & Outdoor Installation	Electronics sealed in a weather-resistant, UL listed enclosure
Warranty	12 months
LED	Four-state standard (red, green, amber, and off), installer switchable, as well as Power (blue) and Channel (green)
Transmitters Supported	WRT-2+ (all variants) WRT-4+ (all variants)

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 Standard 294 and ULC Standard 60839-11-1. Only Wiegand models have been evaluated.
3. Independently tested and verified by Intertek.
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 attached to Receiver's on-board SMA connector.
6. For example, Belden 9540 or similar, wiring to a 10-Pin pluggable terminal block. Shielded, twisted pair (Belden 8723 or similar) for OSDP.
7. Supports four channels per Receiver, supporting Transmitter buttons 1, 2, 3, and 4.
8. OSDP receivers are independent models and need to be appended with the suffix "-OSDP" when ordering (Example: WRR-44-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.

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