dormakaba

RCI WRR-22
433kHz Long-range receiver

WRR-22

WRT-2 transmitters
(sold separately)

RCI WRR-22 Long-range receiver

RCI Ranger 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 RCI 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, RCI 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.

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
ONE YEAR

Wiegand or OSDP
Output interface

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

Factsheet

WRR-22 Long-range receiver specifications

Technology	Long range
Frequency	433 MHz
Mounting	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
IP Code	IP67
Voltage	12 VDC nominal
Current draw	80 mA typical @ 12 VDC
Read range	Up to 100 feet (30.5 m), non-adjustable
Cabling	24 AWG minimum, multiconductor stranded with an overall foil shield
Interface	Wiegand (26 bit industry standard) or OSDP
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	1 year
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) Sold separately

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. The ETL Label and tested by Intertek, conforms to UL Standard 294 and ULC Standard 60839-11-1. Only Wiegand models have been 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. Belden 9540 or similar, wiring to a 6-Pin pluggable terminal block. Shielded, twisted pair (Belden 8723 or similar) for OSDP. Supports two channels per Receiver, supporting exclusively Transmitter buttons 1 and 2. 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.

Intertek

Any questions? We would be happy to advise you.
Contact us at: 1-800-265-6630

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