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# RER-11 LONG-RANGE RANGER® EDGE RECEIVER



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PARKING



TURNSTILES

## Ranger® Long-Range



**Frequency:** 433 MHz

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



### Long-Range Receiver

Integrated Ranger Transmitter Support



### Wiegand Input Interface

Option of Reader Support



### SPDT Relay

Output Interface



### Capacity

Up to 512 Individual Credentials



### Warranty

One-Year Warranty

## RER-11 LONG-RANGE RANGER® EDGE RECEIVER

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 one-channel Ranger Edge Receiver natively supports Ranger Long-Range Transmitters with its integrated receive antenna. Additionally, via the on-board Wiegand interface, the Edge Receiver may optionally support a variety of RFID reader and associated card and tag technologies, including mobile, contactless smartcard and proximity, as well as a comprehensive range of access identification applications, including keypads (PIN) and biometrics. The Ranger Edge Receiver offers single location point of control with all configuration done directly on the unit, eliminating the requirement for separate mobile smartphone or PC programming devices.

Specifications	RER-11
Frequency	433 MHz
Mounting <sup>1</sup>	Flat surface
Enclosure	Hammond box (UL 508A Listed, File Number E65324)
Enclosure Dimensions	3.5" W × 3.5" H × 2.4" D (89 mm × 89 mm × 61 mm)
Board Only Dimensions	3.1" W × 3.1" H × 1.1" D (79 mm × 79 mm × 28 mm)
IP Code <sup>2</sup>	IP67-rated for outdoor use
Enclosure Material	Polycarbonate UV stabilized appropriate for outdoor installation
Enclosure Color	Light gray with black label
Output Relay <sup>3</sup>	Form C, NO 5 A @ 30 VDC resistive, NC 3 A @ 30 VDC resistive
Operating Voltage <sup>4</sup>	12VDC
Operating Current	Idle: 30mA, Relay Active: 100mA
Credentials <sup>5</sup>	Up to 512 individual credentials
Supported Wireless Transmitters	Farpointe Data, Inc. Models WRT-2+, WRT-4+, and WRT-2M
Transmitter Button Operation <sup>6</sup>	Configurable to support Button 1, 2, 3 or 4
Transmitter Read Range <sup>7</sup>	Up to 100 feet (30.5 m), non-adjustable
Reader Power <sup>8 9</sup>	12 VDC, 300 mA maximum for each reader
Data Input <sup>10</sup>	Wiegand interface
Operating Temperature	-40° F to 149° F (-40° C to +65° C)
Operating Humidity	5% to 95% relative humidity non-condensing
LED	5 LED's, including Status (RGB), Program/Run (red), Relay (green), DPS (door position switch) (red) and REX (request to exit) (red)

### NOTES:

- Edge 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.
- Equivalent to Receiver model WRR-44.
- Relay time may be adjusted between 1 to 15 seconds.
- Linear power supplies are recommended for best operation.
- Examples of a credential may include, but is not limited to, a Transmitter, and if using an optional reader then a card or tag, or with a keypad reader then a PIN (personal identification number).
- Only a single Transmitter Button may be selected per Edge Receiver (one-channel).
- Edge Receiver read 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.
- A separate power supply is required for readers requiring more than 300mA.
- Use of a reader is optional, and readers are sold separately.
- Wiegand interface includes Power (+VDC & Ground), Data (D0 & D1), as well as LED and Beeper control

Farpointe Data reserves the right to change specifications without notice.

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