Application - Long range makes it ideal for applications where pressing a button is more convenient than presenting a card, such as door access, gate entry and parking barriers.

Compatible - Wiegand protocols for easy integration with standard access systems.

Industry Friendly - Integrates long range with several proximity card and tag technologies.

Performance - Delivers read ranges up to 150 feet (46 m).

Durable - Weather resistant enclosure allows for both indoor and outdoor installation.

Ranger Receivers are ideal for long range access control applications, such as gates, raising and lowering barriers, arming and disarming alarm systems, as well as those applications calling for emergency duress. The Ranger Receiver was designed to output Wiegand data and install similar to a *Pyramid Series* Proximity® reader making for easy integration with most access control systems.

Ranger Transmitters are available in either a two or four-button configuration and are equipped standard with a potted proximity or contactless smartcard module. This allows the Transmitter to also be used as a presentation-style access credential. For example, a button may be pressed to access a long range application such as a gated parking structure, and then the Transmitter may be presented to an access control reader to allow entry to the building.

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WRR-42

433 MHz Receiver

Features and Specifications:

Technology:	Long Range	**Frequency:**	433 MHz
Mounting[1] :	USA/European wall box or any flat surface	**Dimensions (HxWxD):**	6.3 x 3.4 x 2.3 inches (160 x 82.4 x 58.4 mm)
Transmission:	Rolling code + encryption	**Weight:**	9.3 oz. (289g)
Certifications:	FCC, ICC, CE	**IP Code[2] :**	IP65
Voltage[3] :	+8 - 24 VDC	**Current Draw:**	80 mA typical @ 12VDC
Read Range[4] :	Up to 150 feet (46 m), installer adjustable	**Cabling[5] :**	24 AWG minimum, multi-conductor stranded with an overall foil shield
Interface[6] :	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:**	Beeper included standard
Indoor & Outdoor Installation:	Electronics sealed in weather- and tamper-resistant epoxy potting	**Warranty:**	12 months
LED:	Four-state standard (red, green, amber & off)	**Transmitters Supported:**	WRT-2+ (all variants) WRT-4+ (all variants)

[1] Receiver includes a drill template providing mounting provisions to USA or European wall boxes and pre-drilled holes in the four corners allow installation to flat surfaces.
[2] Self evaluated.
[3] Linear power supplies are recommended for best operation.
[4] Rotate read range dial on the receiver board to adjust. Receiver range covers a 360-degree radius and must not be installed in line-of-sight to the Transmitters.
[5] For example Belden 9535 or similar.
[6] Two channels per Receiver (A/B selectable at board) and two Wiegand outputs per channel (Buttons 1 & 2 or 3 &4).

Farpointe Data reserves the right to change specifications without notice.