



WRR-42 Ranger Receiver

Long Read Range - Up to 150-feet (46m). Ideal for vehicle access without lowering the window

Wiegand Output - Compatible with all standard access systems

Adjustable Read Range - Adapts easily for a range of applications

Encrypted Transmission - Best-in-class security, guards against code grabbing and scanning

With the Ranger Transmitters the Ranger Receiver, model WRR-42, comprises Farpointe Data's long range identification solution. Ranger is ideal for long range access control applications, such as opening parking gates, raising and lowering vehicle 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 our proximity readers for easy integration to most access control systems.

Advanced Technology

- 433 MHz: UHF frequency offers up to 150-feet of read range
- Wiegand outputs standard

Strong Security

Rolling code combined with sophisticated encryption between Transmitter and Receiver provides best-in-class security.

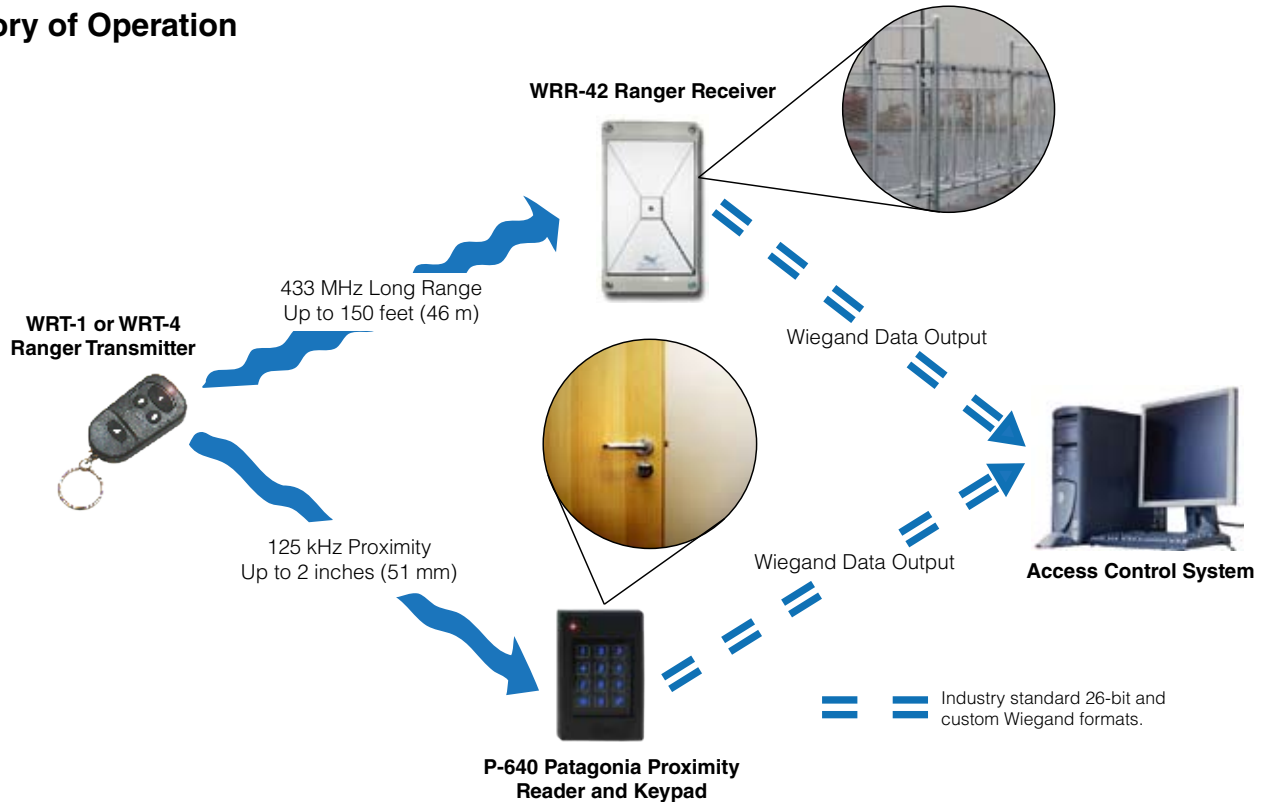
Easy Installation

- Weather resistant enclosure allows both indoor and outdoor installation
- Receiver includes a drill template providing mounting provisions to USA or European wall boxes
- Pre-drilled holes in the four corners allow installation to flat surfaces

Additional Features

- Adjustable read range; simply rotate the knob found inside the enclosure
- Compatible with both models WRT-1 one-button and WRT-4 four-button transmitters

Theory of Operation



Each Transmitter integrates the convenience of long range identification with traditional proximity access control. For example, if a site requires employees to access a parking structure (gate/barrier) and a door (building entrance), the Ranger solution will enable each user to access both the long range and proximity applications with a single Ranger Transmitter. For the parking structure, the user presses the Transmitter button from the convenience of their vehicle (without lowering the window) and when at the door they can simply present the Transmitter to the building's proximity reader. Since identical data is transmitted upon button press or presentation, each user need only be enrolled once in the access control system.

Specifications

Dimensions:	6.3 x 3.4 x 2.3 inches	Power Supply:	Linear supply recommended, 8-24 VDC
Current Draw:	80mA typical	Operating Temperature:	-40° C to +65° C
Input Voltage:	8 to 24 VDC	Cable Distance:	Up to 500 ft.
Transmit Frequency:	433 MHz	Audio Tone:	Standard internal Piezo beeper
Weight:	9.3 oz. (289.3 g)	LEDs:	Standard internal and external; switchable
Read Range:	Installer Adjustable, up to 150 feet (46 m) with 1-button or 4-button transmitter	Certifications:	FCC, IC, CE, and C-Tick
Mounting:	USA/European wall box or flat surface	Compatibility:	WRT-1 and WRT-4 Ranger Transmitters
Enclosure:	Off-white IP66 compliant plastic enclosure	Warranty:	The WRR-42 carries a limited 1-year warranty against defects in material and workmanship
Formats:	Wiegand (26-bit Industry standard and custom Wiegand formats)	Channels:	2 channels, A or B; installer selectable
Wiegand Outputs:	2 per channel	Secure Transmission:	Rolling code + Encryption