

WRT-1 & WRT-4 Ranger™ Transmitters

Multi-Technology
Long Range ID Solution



WRT-1 One-Button and WRT-4
Four-Button Ranger Transmitter

Multi-Technology - Ranger Transmitters combine both long range ID and proximity

Wiegand Output - Compatible with all standard access systems

Familiar Size - Transmitter ships on a key ring

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

Farpointe Data's Transmitters, commonly known as 'clickers,' offer the benefit of two technologies: button press for long range identification and presentation for proximity solutions. Button press applications operate at 433 MHz and are powered by a replaceable 12 Volt battery. During presentation, Ranger Transmitters operate passively at 125 kHz, just like a proximity credential, and are compatible with the full line of *Pyramid Series Proximity*® readers. The easy to carry one and four-button Ranger Transmitters come with a red LED indicator, and are delivered standard on a key ring. Transmitters are sequentially coded in either a standard 26-bit or custom Wiegand format, all with exact number sequences, with no gaps, and with no under - or over - runs.

Advanced Technology

- 433 MHz: UHF frequency offers up to 150 feet (46m) of read range (active-battery powered)
- 125 kHz: Proximity offers up to 2 inches (51mm) of read range (passive-not battery powered)
- 26-bit or custom Wiegand formats
- Identical Wiegand data outputted upon button press or presentation

Strong Security

Rolling code combined with sophisticated encryption provide best-in-class security

Easy Installation

- To enroll, simply double click the Transmitter when in range of the Receiver - no DIP switches required
- Compact design allows the Transmitters can be carried on a key chain, worn on a lanyard, or adhered to a flat surface
- May be fixed to a vehicle's dashboard with Velcro for convenient gate access

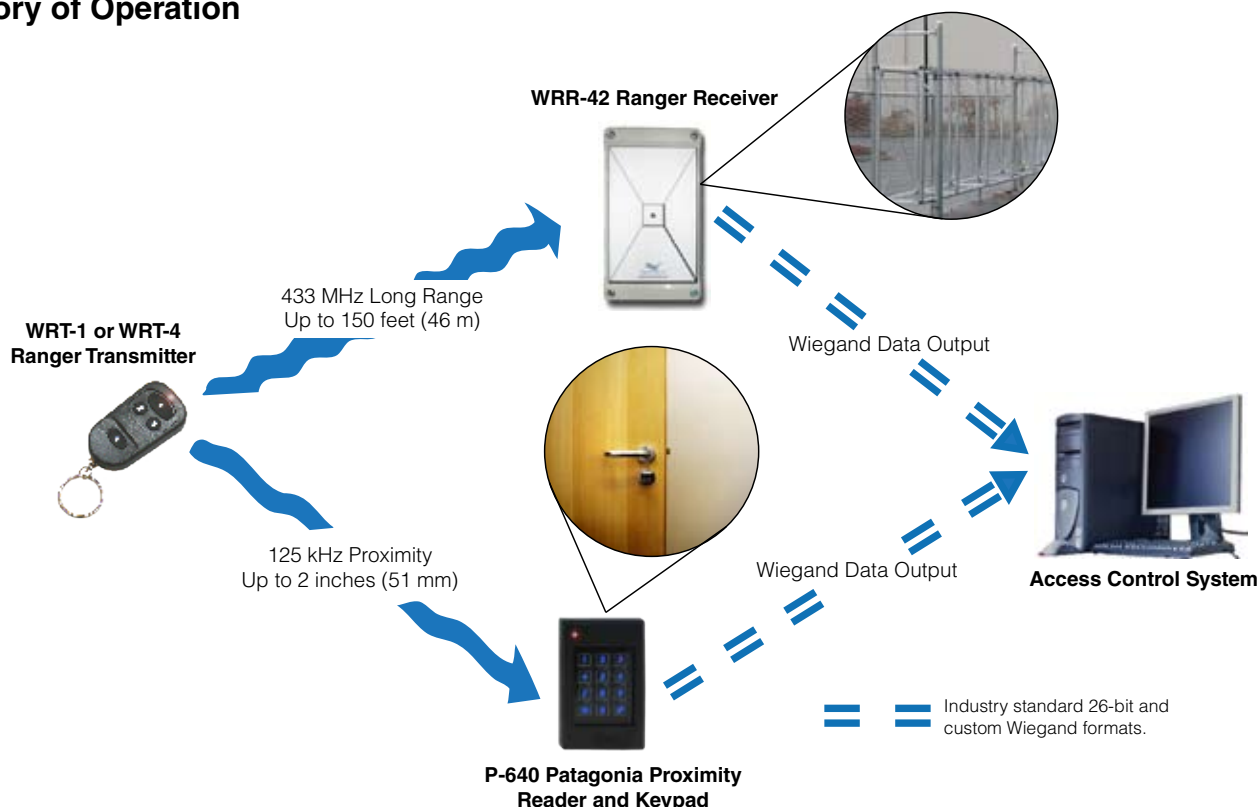
Additional Features

- Move confidently through a site with the model WRT-1 one-button transmitter, or upgrade and consolidate applications to a model WRT-4 four-button transmitter

WRT-1 & WRT-4 Ranger™ Transmitters

Long Range ID Solution

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:	2.3 x 1.3 x 0.4 inches (58.4 x 33 x 10.2 mm)	Battery:	Replaceable 27A, NM27-sized 12 Volt Alkaline
Operation:	Button Press: long range 433 MHz (battery) Presentation: 125 kHz proximity (passive)	Buttons:	WRT-1: 1 button labeled 1 WRT-4: 4 buttons, labeled 1 thru 4
Formats:	Wiegand (26-bit industry standard and custom Wiegand formats)	Compatibility:	Button press: WRR-42 Ranger receiver Presentation: Pyramid Series & Delta readers
Operating Temperature:	-25 ° C to +50 ° c	Enclosure:	Black polycarbonate
Weight:	0.7 oz. (21.8 g) nominal	Certifications:	FCC, IC, CE and C-Tick
Secure Transmission:	Rolling code + Encryption algorithm	LEDs:	Red LED standard (activated upon button press)
Read Range:	Button Press: Up to 150 feet (46 m) w/ WRR-42 Presentation: Up to 2 inches (51 mm) w/ P-500	Marking:	Date code and ID
Warranty:	Limited 1-year warranty against defects in materials and workmanship		