



# WRT-2+ & WRT-4+ LONG-RANGE TRANSMITTERS



## Ranger<sup>®</sup> Long-Range



**Button Press Frequency:** 433 MHz  
**Read Range:** Up to 200 feet (61 m)

**Presentation Frequency:** 125 kHz or 13.56 MHz  
**Read Range:** Up to 3.5 inches (88 mm)



**MAXSecure™**  
Unique Security Feature



**ETL Listed — Independently Tested and Certified**  
Conforms to UL Standard 294 and ULC 60839-11-1



**Warranty**  
One-Year Warranty



**Wiegand**  
Output Interface



**Built-in Eyelet**  
Carry on a Key Ring



**Contactless**  
Button Press – Up to 200 ft (61 m)  
Presentation – Up to 3.5 in (88 mm)

## WRT-2+ & WRT-4+ LONG-RANGE TRANSMITTERS

Ranger from Farpointe Data 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 Ranger Receivers interface with a wide range of electronic access control systems by complying with the Wiegand communication protocol. They offer value-add features such as MAXSecure™ and up to 200 feet of read range (WRR-44). Additionally, 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.

Specifications	WRT-2+ & WRT-4+
Technology	Long range
Frequency	Button press – 433 MHz Presentation – 125 kHz or 13.56 MHz
Marking	Date code and ID
Dimensions	1.45" W x 2.5" H x 0.56" D (37 mm x 63.5 mm x 14.2 mm)
Button Press Transmission	Rolling code + encryption
Weight	0.7 oz (20 g)
Certifications	FCC, ICC, CE, UL Standard 294, ULC 60839-11-1 <sup>1</sup>
IP Code <sup>2</sup>	IP67-rated for outdoor use
Battery <sup>3</sup>	Single replaceable CR2032, 3.3V, lithium battery <sup>4</sup>
Compatibility	Button press: WRR-44 and WRR-22 Receivers Presentation: Pyramid readers, Delta readers, and others
Read Range <sup>5</sup>	Button press: Up to 200 feet (61 m) Presentation: Up to 3.5 inches (88 mm)
Durability <sup>6</sup>	Electronics sealed in a weather-resistant enclosure
Interface	Wiegand (26-bit industry standard and custom Wiegand formats)
Operating Temperature	–40° F to 122° F (–40° C to +50° C)
Enclosure Color	Black polycarbonate enclosure with gray ABS keys
OEM Label Area Dimensions	0.9" W x 0.35" H (22.86 mm x 8.89 mm), with corner radius of 0.06" (1.5 mm)
Key Ring <sup>7</sup>	Optional 1-inch (25 mm) key ring
Warranty	1-year limited warranty
Convenience	Built-in eyelet makes it easy to carry on a key ring or lanyard
LED	Integrated red LED standard (activated upon button press)
Transmitters Models	WRT-2+ (2 buttons labeled 1 & 2) WRT-4+ (4 buttons labeled 1 through 4)
Presentation Insert Interoperability <sup>8</sup>	WRT-2+ or WRT-4+: Supports 125-kHz <i>Pyramid Series</i> Proximity® protocols <sup>9</sup> WRT-2+H or WRT-4+H: Supports certain HID® 125-kHz Proximity protocols <sup>10</sup> WRT-2+A or WRT-4+A: Supports certain AWID® 125-kHz Proximity protocols <sup>11</sup> WRT-2+S1 or WRT-4+S1: Supports certain MIFARE® Classic 1K 13.56-MHz Smartcard protocols <sup>12 13</sup> WRT-2+S4 or WRT-4+S4: Supports certain MIFARE® Classic 4K 13.56-MHz Smartcard protocols <sup>12 13</sup> WRT-2+D2 or WRT-4+D2: Supports certain MIFARE® DESFire® EV2 2K 13.56-MHz Smartcard protocols <sup>12</sup>

### NOTES:

- 1 Carrying the ETL Label and tested by Intertek, conforms to UL Standard 294 and ULC Standard 60839-11-1.
- 2 Independently tested and verified by Intertek.
- 3 Rated to typically provide more than 250,000 button presses under normal conditions.
- 4 Warning: Contains Coin Battery. Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the Transmitter, remove the battery, and keep all components away from children. Do not ingest the battery.
- 5 Button press tested with 12 VDC at WRR-44, presentation with 12 VDC at P-500. Receiver coverage is omni-directional and need not be installed in a line-of-sight configuration.
- 6 Electronics are snap sealed in a weather-resistant enclosure.
- 7 Contact Farpointe for ordering information.
- 8 When ordering, please indicate the proximity insert compatibility desired by using a suffix, for example, WRT-4+**H**, WRT-4+**S4**. Contact Farpointe for additional information.
- 9 Examples of supporting readers include, but are not limited to, P-300, P-400, P-500, and P-640.
- 10 Examples of supporting readers include, but are not limited to, ProxPoint® Plus, ThinLine II®, and MiniProx®.
- 11 Examples of supporting readers include, but are not limited to, SP-6320, SR-2400, and KP-6840.
- 12 Examples of supporting readers include, but are not limited to, Delta3, Delta5, and Delta6.4 variants.
- 13 For security-relevant physical credential applications, users should consider MIFARE® DESFire®-based product families.



Farpointe Data reserves the right to change specifications without notice.



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