



# 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 × 2.5" H × 0.56" D (37 mm × 63.5 mm × 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
Compatibility	Button press: WRR-44 and WRR-22 Receivers Presentation: Pyramid readers, Delta readers, and others
Read Range <sup>4</sup>	Button press: Up to 200 feet (61 m) Presentation: Up to 3.5 inches (88 mm)
Durability <sup>5</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 × 0.35" H (22.86 mm × 8.89 mm), with corner radius of 0.06" (1.5 mm)
Key Ring <sup>6</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>7</sup>	WRT-2+ or WRT-4+: Supports 125-kHz <i>Pyramid Series</i> Proximity® protocols <sup>8</sup> WRT-2+H or WRT-4+H: Supports certain HID® 125-kHz Proximity protocols <sup>9</sup> WRT-2+A or WRT-4+A: Supports certain AWID® 125-kHz Proximity protocols <sup>10</sup> WRT-2+S1 or WRT-4+S1: Supports certain MIFARE® Classic 1K 13.56-MHz Smartcard protocols <sup>11</sup> WRT-2+S4 or WRT-4+S4: Supports certain MIFARE® Classic 4K 13.56-MHz Smartcard protocols <sup>11</sup> WRT-2+D2 or WRT-4+D2: Supports certain MIFARE® DESFire® EV2 2K 13.56-MHz Smartcard protocols <sup>11</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 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.
- 5 Electronics are snap sealed in a weather-resistant enclosure.
- 6 Contact Farpointe for ordering information.
- 7 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.
- 8 Examples of supporting readers include, but are not limited to, P-300, P-400, P-500, and P-640.
- 9 Examples of supporting readers include, but are not limited to, ProxPoint® Plus, ThinLine II®, and MiniProx®.
- 10 Examples of supporting readers include, but are not limited to, SP-6320, SR-2400, and KP-6840.
- 11 Examples of supporting readers include, but are not limited to, Delta3, Delta5, and Delta6.4 variants.



Farpointe Data reserves the right to change specifications without notice.

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