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 and card technologies.

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

Durable - Electronics enclosed in weather resistant enclosure.

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.

Farpointe Data
Readers ◉ Credentials

TransTech Systems, Inc.
12142 NE Sky Lane, Suite 130
Aurora, OR 97002
Ph: 888-843-3643 Fax: 503-682-0166
sales@ttsys.com www.ttsys.com

TransTech SYSTEMS
IDENTIFYING SOLUTIONS

Features and Specifications:

Primary Technology:	Long Range	Marking:	Date code and ID
Frequency:	Button press - 433 MHz Presentation - 125 kHz or 13.56 MHz	Dimensions (HxWxD):	2.5 x 1.45 x 0.56 inches (57.2 x 37 x 14.2 mm)
Button Press Transmission:	Rolling code + encryption	Weight:	0.7 OZ (20g)
Certifications:	FCC, ICC, CE	IP Code[1] :	IP65
Battery[2] :	Single replaceable CR2032, 3.3V, Lithium battery	Compatibility:	Button Press: WRR-42 Receiver Presentation: Pyramid readers and others
Read Range[3] :	Button press - up to 150 feet (46 m) Presentation - up to 2 inches (51 mm)	Interface:	Wiegand (26 bit industry standard and custom Wiegand formats)
Durability[4] :	Electronics sealed in weather resistant enclosure	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 x 0.35 inch (22.86 x 8.89 mm), with corner radius of 0.63 inch (16 mm)
Key Ring[5] :	Optional 1-inch (26 mm) key ring	Warranty:	Limited lifetime warranty
LED:	Integrated red LED standard (activated upon button press)	Convenience:	Built in eyelet makes it easy to carry on a key ring or lanyard
Transmitter Models:	WRT-2+ (2-buttons labeled 1 & 2) WRT-4+ (4-buttons labeled 1 thru 4)		

Presentation Insert Interoperability[6] :	WRT-2+ or WRT-4+: Supports 125 kHz Pyramid Series Proximity protocols[7] ; WRT-2+H or WRT-4+H: Supports certain HID 125 kHz Proximity protocols[8] ; WRT-2+A or WRT-4+A: Supports certain AWID 125 kHz Proximity protocols[9] ; WRT-2+S1 or WRT-4+S1: Supports certain MIFARE 1K 13.56 MHz Smartcard protocols[10] ; WRT-2+S4 or WRT-4+S4: Supports certain MIFARE 4K 13.56 MHz Smartcard protocols[10] .

[1] Self evaluated.
[2] Rated to typically provide more than 250,000 button presses under normal conditions.
[3] Button press tested with 12 VDC at WRR-42, presentation with 12 VDC at P-500. Receiver coverage is omni-directional, and need not be installed in a line-of-sight configuration.
[4] Electronics are snap sealed in a weather resistant enclosure.
[5] Contact Farpointe for ordering information.
[6] 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.
[7] Examples of supporting readers include, but are not limited to, P-300, P-400, P-500 and P-640.
[8] Examples of supporting readers include, but are not limited to, ProxPointPlus®, ThinLine® II and MininProx®.
[9] Examples of supporting readers include, but are not limited to, SP-6820, SR-2400 and KP-6840.
[10] 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.