

Long Range Identification Receiver



433 MHz Ranger® Long Range Identification Receiver

WatchNET WAR Series Long Range 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 Receiver was designed to output Wiegand data and install similar to standard proximity readers making for easy integration with most access control systems.

WAC Transmitters are available in either a two or four-button configuration and are equipped standard with a potted proximity or contactless smart card module. This allows the Transmitter to also be used as a 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.



Long Range
4 Button Transmitter
with built-in proximity access

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 card and tag technologies

Performance

Model WAR-HAM-LRW: Up to 200 feet (61 m), Installer adjustable

Model WAR-HAM-SRW: Up to 100 feet (30.5 m), Non-adjustable

Durable

Weather resistant enclosure allows for both indoor and outdoor installation



Technical Specifications	WAR-HAM-LRW	WAR-HAM-SRW
Technology	Long Range	
Frequency	433 MHz	
Mounting	USA/EU wall box or flat surface	
Dimensions (H x W x D)	6.3 x 3.4 x 2.3" (160 x 86.4 x 58.4 mm)	3.3 x 3.3 x 1.9" (84 x 84 x 48.3 mm)
Transmission	Rolling code + encryption	
Weight	12 oz. (340g)	8 oz. (227g)
Certifications	FCC, ICC, CE	
IP Rating	Indoor & Outdoor IP65	
Voltage	12 VDC	
Current Draw	120 mA typical @ 12VDC	80 mA typical @ 12VDC
Read Range	Up to 200 feet (61 m), Installer adjustable	Up to 100 feet (30.5 m), Non-adjustable
Cabling	24 AWG min, multi-conductor stranded with an overall foil shield	
Interface	Wiegand (26 bit standard and custom formats)	
Operating Temp.	-40° F to 149° F (-40° C to +65° C)	
Enclosure Color	Off-white plastic enclosure	
Audio Tone	Beeper Standard	
LED	Four-state standard (red, green, amber & off)	
Installation	Indoor & Outdoor Sealed in weather/tamper-resistant epoxy potting	
Warranty	12 months	
<p>Linear power supplies are recommended for best operation. Rotate read range dial on the receiver board to adjust. Receiver range covers a 360-degree radius and must not be installed in line-of-sight to the Transmitters.</p>		
Transmitters Supported	WAC HIT WT2 WAC AIT WT2 WAC MIT WT2	WAC HIT WT4 WAC AIT WT4 WAC MIT WT4
Two channels per Receiver (A/B selectable at board) and two Wiegand outputs per channel (Buttons 1 & 2 or 3 & 4).		

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Rev. Nov. 20, 2019

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