



## HARTMANN CONTROLS Corp.

### LONG RANGE READERS

With the Ranger Transmitters the Ranger Receiver, model HC-WRR-42, comprises long range identification solution. Ranger is ideal for long range access control applications, such as opening parking gates, raising and lowering vehicle 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 our proximity readers for easy integration to our access control systems.

#### Advanced Technology

- 433 MHz: UHF frequency offers up to 150-feet of read range - Wiegand outputs standard

#### Strong Security

Rolling code combined with sophisticated encryption between Transmitter and Receiver provides best-in-class security.

#### Easy Installation

- Weather resistant enclosure allows both indoor and outdoor installation
- Receiver includes a drill template providing mounting provisions to USA or European wall boxes
- Pre-drilled holes in the four corners allow installation to flat surfaces

#### Additional Features

- Adjustable read range; simply rotate the knob found inside the enclosure
- Compatible with both models WRT-1 one-button and WRT-4 four-button transmitters

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 HC-WRR-42

**Dimensions:** 6.3 x 3.4 x 2.3 inches

**Power Supply:** Linear supply recommended, 8-24 VDC

**Current Draw:** 80mA typical

**Operating Temperature:** -40° C to +65° C

**Input Voltage:** 8 to 24 VDC

**Cable Distance:** Up to 500 ft.

**Transmit Frequency:** 433 MHz

**Audio Tone:** Standard internal Piezo beeper

**Weight:** 9.3 oz. (289.3 g)

**LEDs:** Standard internal and external; switchable

**Read Range:** Installer Adjustable, up to 150 feet (46 m) with 1-button or 4-button transmitter

**Certifications:** FCC, IC, CE, and G-Tick

**Mounting:** USA/European wall box or flat surface

**Compatibility:** WRT-1 and WRT-4 Ranger Transmitters

**Enclosure:** Off-white IP66 compliant plastic enclosure

**Warranty:** The WRR-42 carries a limited 1-year warranty against defects in material and workmanship

**Formats:** Wiegand (26-bit Industry standard and custom Wiegand formats)

**Channels:** 2 channels, A or B; installer selectable

**Wiegand Outputs:** 2 per channel

**Secure Transmission:** Rolling code + Encryption



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Hartmanns 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.