LONG RANGE RF READERS

With Hartmann Controls transmitters and receivers, model HC-WRR44 or HC-WRR22 in conjunction with the HC-WRT2 or WRT4, they produce a long range identification solution.

The HC-WRR44 and HC-WRR22 are ideal for long range access control applications (up to 200'), 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 HC-WRR44 and HC-WRR22 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 200-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 WRT2 two-button and WRT4 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-WRR44

Dimensions: 6.3 x 3.4 x 2.3 inches
Power Supply: Linear supply recommended, 8-24 VDC
Current Draw: 120mA 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 200 feet (61 m) with 2-button or 4-button transmitter
Certifications: FCC, IC, CE, and C-Tick
Mounting: USA/European wall box or flat surface
Compatibility: WRT2 and WRT4 Ranger Transmitters
Enclosure: Off-white IP66 compliant plastic enclosure
Formats: Wiegand (26-bit Industry standard and custom Wiegand formats)
Channels: 4 channels, A,B,C,D; installer selectable
Wiegand Outputs: 1 per channel
Secure Transmission: Rolling code + Encryption

Specifications HC-WRR22

Dimensions: 3.3 x 3.3 x 1.9 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: Not Applicable
Weight: 8 oz. (227 g)
LEDs: Standard internal and external; switchable
Read Range: Non-ajustable, up to 100 feet (30.5 m) with 2-button or 4-button transmitter
Certifications: FCC, IC, CE, and C-Tick
Mounting: USA/European wall box or flat surface
Compatibility: WRT2 and WRT4 Ranger Transmitters
Enclosure: Off-white IP66 compliant plastic enclosure
Formats: Wiegand (26-bit Industry standard and custom Wiegand formats)
Channels: 2 channels, A,B; installer selectable
Wiegand Outputs: 1 per channel
Secure Transmission: Rolling code + Encryption

Specifications HC-WRT-2 / HC-WRT4

Hartmann's RF 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 battery. During presentation, Ranger Transmitters operate passively at 125 kHz, just like a proximity credential, and are compatible with the full line of Hartmann Controls readers.

The easy to carry two and four-button Ranger Transmitters come with a red LED indicator. 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.