



Series: XTR-WRC-900

Long-Distance Wireless Remote-Control Switch Transmitter / Relay Receiver



FEATURES & BENEFITS

- Provides Wireless Bridge Between Switches & Relays
- Activate Transmitter with Any Dry-contact Switch
- Models Available With 1, 2 or 4 Control Lines
- Up To 6 Miles Line-of-site Transmit/Receive Distance
- Receiver has 5 Amp SPDT Control Relays
- Powered by any 12V-24V DC Supply
- Painted NEMA 4X Aluminum Enclosures
- Pre-configured, Ready-To-Operate
- Sold As Transmitter/Receiver Matched Set
- License Free Radio Operation

APPLACATIONS

- Pump or Motor Control
- Valve Activation, Gate or Lighting Control

DESCRIPTION

The XTR-WRC-900 Series Wireless Industrial Remote-Control System is for remotely activating equipment from a distance up to 6 miles away using license free wireless communication. The switch transmitter is equipped with up to 4 contact closure inputs that are used to control SPDT Relays in the receiver unit. Models are available with 1, 2 or 4 control lines. Units are activated with dry-contact switches or connected to a PLC for automated control.

Each system is sold as a factory programmed matched set. That means there is no field settings needed to operate right out of the box.

Power for the transmitter or receiver can come from any external 12-24V DC power supply or battery.

NOTE: UNITS ARE FACTORY PROGRAMED AS A SINGLE MATCHED SET. IF YOU WANT TO USE ONE TRANSMITTER TO CONTROL MORE THAN ONE RECEIVER, OR MORE THAN ONE TRANSMITTER TO CONTROL A SINGLE RECEIVER, PLEASE CONTACT US PRIOR TO PURCHASING SO WE CAN CUSTOMIZE A GROUP OF UNITS FOR YOU SPECIFIC TO YOUR APPLICATION. THERE IS NO EXTRA CHARGE FOR THIS SERVICE.

General Specifications

Radio Frequency: 900Mhz
Regulatory: FCC Part 15 (No license required)
Control Lines: 1, 2 or 4
Antenna Connection: RP-SMA
Antennas: 7dbi, Omni-directional (Included)
Transmit/Receive Distance:
 with included antennas:
 Indoor/Urban 1000ft, Line-of-site 3 Miles
 with optional antennas:
 Indoor/Urban 1600ft, Line-of-site 6 Miles
Transmitter/Receiver Code Matching: Factory set
Wire Connection: Terminal Blocks
Operating Temperature: -22 to 113 °F (-30 to 45 °C)
Enclosures: NEMA 4X, Painted Aluminum

Series: Series: **XTR-WRC-900**



Each Set Includes 7dbi Antennas and 9ft Antenna Extension Cables



Optional 6 Mile Distance Antenna Set

Switch Transmitter Specifications

RF Power Output: 100mW
RF Output Impedance: 50 Ohm nominal
RF Data Rate: 10 kbps
Operating Power: 12-24V DC @ 3W max
Control Input Type: Dry-contact Switch

Relay Receiver Specifications

Receive Sensitivity: -100 dBm
Operating Power: 12-24V DC @ 3W max
Control Output: 5Amp, 240V SPDT Relays

Regulatory Approvals

FCC(USA) - MCQ-XBEEESC
 IC (Canada) - 1846A-XBEEESC

Available Models

Model Number	Description	Control Lines / Relays
XTR-WRC-900-1	Industrial Wireless 1-Line Remote Control Transmitter/Receiver Set	1
XTR-WRC-900-2	Industrial Wireless 2-Line Remote Control Transmitter/Receiver Set	2
XTR-WRC-900-4	Industrial Wireless 4-Line Remote Control Transmitter/Receiver Set	4

Available Options

Model Number	Description
DRWC-900-LRANT	Optional Long Range Directional Antenna (up to 6 Miles line-of-site)

Note: Continued product improvements make specifications subject to change without notice. Check www.imagineinstruments.com for the latest product information and updates

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