



Series: XT-WRC

Industrial Long-Distance Wireless Remote-Control System



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 9 Mile Line-of-site Transmit/Receive Distance
- Receiver Provides 5 Amp SPDT Control Relays
- Powered by any 12V DC Supply
- Painted NEMA 3R 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 XT-WRC transmitters and receivers are designed for use in various wireless remote-control applications. When triggered with an external dry-contact switch, the switch transmitter will send a digital encoded, FSK modulated signal to its companion control receiver. The receiver will verify the digital code and then activate its relay output.

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 VDC power supply or battery. An internal fuse protects each unit from a reverse power connection.

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 SERVICEE.

General Specifications

Series: **XT-WRC**

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: Line-of-site (LOS) up to 3 Miles.
 with optional antennas: Line-of-site (LOS) up to 10 Miles.
Transmitter/Receiver Code Matching: Factory set
Wire Connection: Terminal Blocks
Operating Temperature: -22 to 113 °F (-30 to 45 °C)
Enclosures: NEMA 3R, Painted Aluminum



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

Switch Transmitter Specifications

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



Optional Long Distance Antenna Set

Relay Receiver Specifications

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

Regulatory Approvals

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

Available Models

Model Number	Description	Control Lines
XT-WRC-1	Industrial Wireless 1-Line Remote Control Transmitter/Receiver Set	1
XT-WRC-2	Industrial Wireless 2-Line Remote Control Transmitter/Receiver Set	2
XT-WRC-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 10 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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