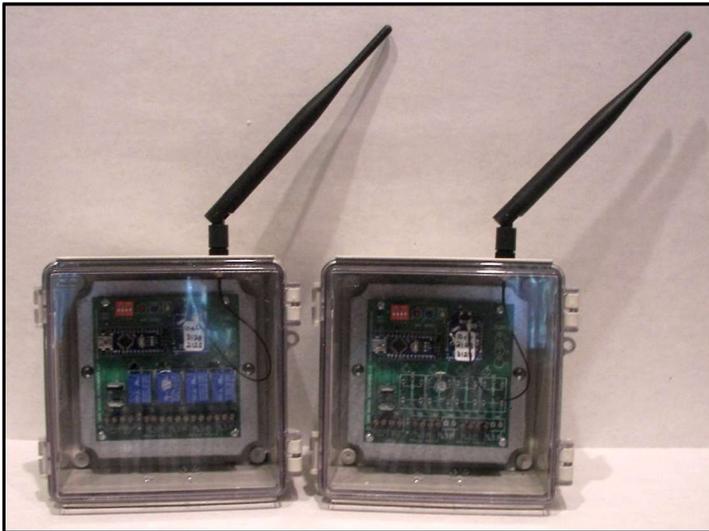


Industrial Wireless Remote Control System



FEATURES

- Wireless Bridge Between Switches & Relays
- Supervisory "Low Power" & "RF Loss" Alarms
- Activate Transmitter with Any Dry-contact Switch
- Models Available With 1, 2 or 4 Control Lines
- Up To 6 Miles Line-of-site Operating Distance
- Receiver Provides SPDT Mechanical Relays
- Transmitter Powered by Battery or DC Supply
- NEMA 4, 4X PCT Blended Plastic Enclosures
- Pre-configured, Ready-To-Operate
- Sold As Transmitter/Receiver Matched Set
- License Free Radio Operation

DESCRIPTION

The WXL Series Wireless Industrial Remote-Control System for remotely activating equipment from a distance up to 6 miles away using license free wireless communication. Units are activated with dry-contact switches or connected to a PLC for automated control.

APPLACATIONS

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

SWITCH TRANSMITTER



The WXL Series Switch Transmitter features up to 4 dry-contact inputs that activate relays of the receiver unit. The unit also sends supervisory system data to the receiver

RELAY RECEIVER



The WXL Series Receiver features up to 4 control relays. The unit also provides an Alarm output for Transmitter low power or RF signal loss.

WXL-24 General Specifications

Series: **WXL**

Radio Frequency: 2.4Ghz
Regulatory: FCC Part 95 (No license required)
Control Lines: 1, 2 or 4
Antenna Connection: RP-SMA
Antennas: 5dbi, Omni-directional (Included)
Transmit/Receive Distance:
with included antennas: Indoor/Urban 100', Line-of-site 600'.
with optional antennas: Indoor/Urban 300', Line-of-site 1 Mile.
Transmitter/Receiver Code Matching: Factory set
Wire Connection: Terminal Blocks
Operating Temperature: -22 to 130 °F (-30 to 54 °C)
Enclosures: NEMA 4, 4X, PCT Plastic (6" x 6" x 4")



Includes Antennas & Antenna Extension Cables

WXL-24 Transmitter Specifications

RF Power Output: 63mW
RF Output Impedance: 50 Ohm nominal
RF Data Rate: 250 kbps
Operating Power: 11 - 14V DC @ 2W max
Control Input Type: Dry-contact Switch



Optional Long-Distance Antenna Set

Receiver/Control Specifications

Receive Sensitivity: -100 dBm
Operating Power: 11 - 14V DC @ 3W max
Control Output: Relay, SPDT, 250V, 3 Amp Max

WXL-900 General Specifications

Radio Frequency: 900 MHz
Regulatory: FCC Part 95 (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 1000', Line-of-site 3 Miles.
with optional antennas: Indoor/Urban 1600', Line-of-site 6 Miles.
Transmitter/Receiver Code Matching: Factory set
Wire Connection: Terminal Blocks
Operating Temperature: -22 to 130 °F (-30 to 54 °C)
Enclosures: NEMA 4, 4X, PCT Plastic



Enclosures Include Stainless Steel Feet

WXL-900 Transmitter Specifications

RF Power Output: 100mW
RF Output Impedance: 50 Ohm nominal
RF Data Rate: 10 kbps
Operating Power: 11 - 14V DC @ 2W max
Control Input Type: Dry-contact Switch

Receiver/Control Specifications

Receive Sensitivity: -106 dBm
Operating Power: 11 - 14V DC @ 3W max
Control Output: Relay, SPDT, 250V, 3 Amp Max

Regulatory Approvals

WXL-24
FCC(USA) - OUR-XBEEPRO
IC (Canada) - 4214A-XBEEPRO

WXL-900
FCC(USA) - OUR-XBEEPRO
IC (Canada) - 4214A-XBEEPRO

Available 2.4 GHz Models (Up to 1 Mile Operation)

Model Number	Description	Control Lines
WXL-24-1	1-Line Industrial Wireless Remote-Control Transmitter/Receiver Set	1
WXL-24-2	2-Line Industrial Wireless Remote-Control Transmitter/Receiver Set	2
WXL-24-4	4-Line Industrial Wireless Remote-Control Transmitter/Receiver Set	4

Available 900 MHz Models (Up to 6 Mile Operation)

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

Available Options

Model Number	Description
DRWC-24-LRANT	Optional 2.4 GHz Long-Range Directional Antenna (up to 1 Mile line-of-site)
DRWC-900-LRANT	Optional 900 MHz Long-Range Directional Antenna (up to 6 Mile 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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