



Series: WIDXL-2W-24

Industrial Wireless Remote Control Transceiver With 2-way Switch/Relay Operation



FEATURES & BENEFITS

- 2-Way Wireless Bridge Between Switches & Relays
- Activate Either Side with Any Dry-contact Switch
- Models Available With 1 or 2 Control Lines
- Up To 1 Mile Line-of-site Transmit/Receive Distance
- Provides Dual Open-collector Control Output
- Powered By DC Supply or 120V AC
- NEMA 4, 4X Powder Coated Aluminum Enclosures
- Pre-configured, Ready-To-Operate
- Sold As Two Transceiver Matched Pair
- License Free Radio Operation

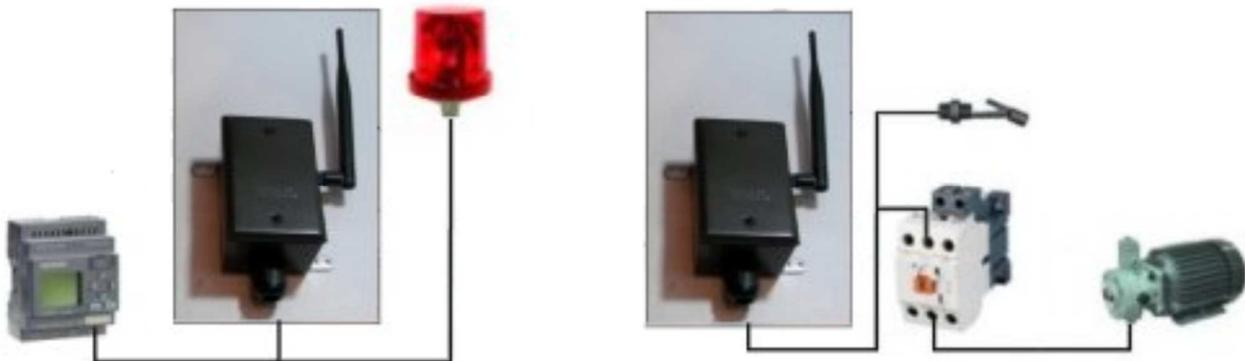
APPLACATIONS

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

DESCRIPTION

The WIDXL-2W-24 Series Wireless Remote Control System with 2-way operation allows for remotely activating equipment from a distance of up to 1 mile away using license free wireless 802.15.4 communication. Each unit is equipped with up to 2 contact closure inputs that are used to control open-collector outputs on the opposite unit of the matched pair. Models are available with 1 or 2 control lines. Units can be activated with dry-contact switch or connected to a PLC for automated control and feedback.

Example Application: PLC Providing Pump Control with Level Switch Alarm Feedback



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General Specifications

Radio Frequency: ISM 2.4Ghz
Regulatory: FCC Part 95 (No license required)
Control Lines: 1 or 2
Antenna Connection: RP-SMA
Antennas: 5dbi, Omni-directional (Included)
Transmit/Receive Distance
US/CA Model: Indoor/Urban 300ft, Line-of-site 1 Mile
EU Model: Indoor/Urban 100ft, Line-of-site 300ft
Transceiver Code Matching: Factory set
Wire Connection: Terminal Blocks
Operating Temperature: -22 to 113 °F (-30 to 45 °C)
Enclosures: NEMA 4, 4X Powder Coated Aluminum



Includes 5dbi Antennas & 9' Antenna Extension Cables

Transceiver Specifications

RF Power Output: 63mW (10mW EU Models)
RF Output Impedance: 50 Ohm nominal
Transmit Time: 250Ms
Operating Power 6 - 12V DC @ 3W max
Input Type: Dry-contact
Receive Sensitivity: -100 dBm
Control Output: Open-collector, 24Vdc, 100mA Max



Optional Long Distance Antenna Set

Regulatory Approvals

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

Available Models

Model Number	Description	Control Lines
WIDXL-2W-24-1	2-Way Industrial Wireless Remote Control Transceiver Set (USA/CANADA)	1
WIDXL-2W-24-2	2-Way Industrial Wireless Remote Control Transceiver Set (USA/CANADA)	2

Available Options

Model Number	Description
DRWC-24-LRANT	Optional Long Range Directional Antenna (up to 1 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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