



Series: WIDXL-24

Industrial Wireless Remote Control System



FEATURES & BENEFITS

- Provides Wireless Bridge Between Switch & Relay
- Activate Transmitter with Any Dry-contact Switch
- Models Available With 1, 2 or 4 Control Lines
- Up To 1 Mile Line-of-site Transmit/Receive Distance
- Receiver Provides Open-collector Control Output
- Transmitter Powered By Battery or DC Supply
- NEMA 4, 4X Powder Coated Aluminum Enclosures
- Pre-configured, Ready-To-Operate
- Sold As Transmitter/Receiver Matched Set
- License Free Radio Operation

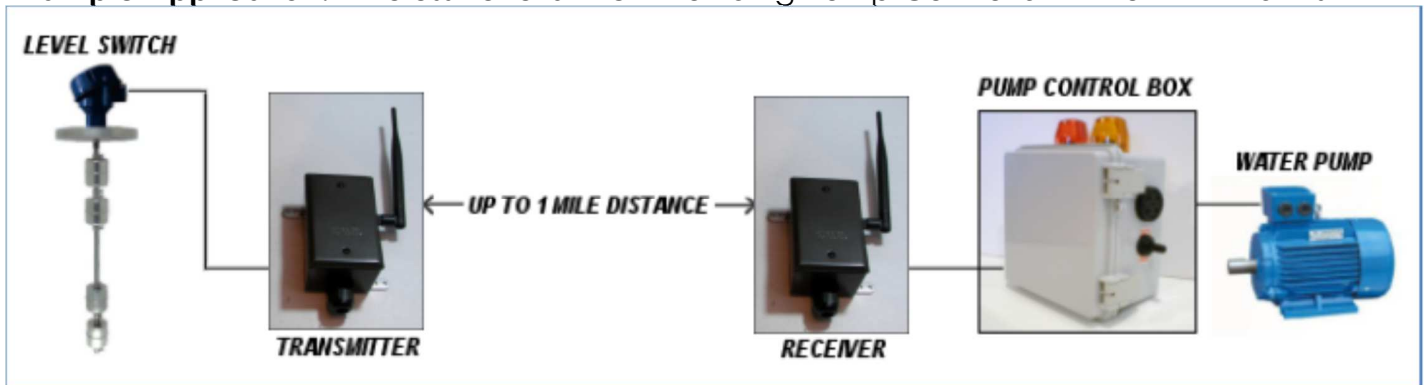
APPLACATIONS

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

DESCRIPTION

The WIDXL-24 Series Wireless Industrial Remote Control System for remotely activating equipment from a distance up to 1 mile away using license free wireless communication. The transmitter is equipped with up to 4 contact closure inputs that are used to control open-collector outputs on 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.

Example Application: Wireless Level Switch Providing Pump Control & Hi - Lo Limit Alarms



General Specifications

Series: **WIDXL-24**

Radio Frequency: ISM 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 113 °F (-30 to 45 °C)
Enclosures: NEMA 4, 4X, Powder Coated Aluminum



Includes 5dbi Antennas & 9' Antenna Extension Cables

Transmitter Specifications

RF Power Output: 63mW
RF Output Impedance: 50 Ohm nominal
RF Data Rate: 250 kbps
Operating Power: 12 - 24V DC @ 2W max
Control Input Type: Dry-contact Switch



Optional Long Distance Antenna Set

Receiver/Control Specifications

Receive Sensitivity: -100 dBm
Operating Power: 12 - 24V DC @ 3W max
Control Output: Open-collector, 12-24V DC, 1.2W Max

Regulatory Approvals

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

Available Models

Model Number	Description	Control Lines
WIDXL-24-1	Industrial Wireless Remote Control Transmitter/Receiver Set (USA/CANADA)	1
WIDXL-24-2	Industrial Wireless Remote Control Transmitter/Receiver Set (USA/CANADA)	2
WIDXL-24-4	Industrial Wireless Remote Control Transmitter/Receiver Set (USA/CANADA)	4

Available Options

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

For models with 2-way control see Series: WIDXL-24-2W
 For models with longer transmit/receive distance see Series: WIDXL-900

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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