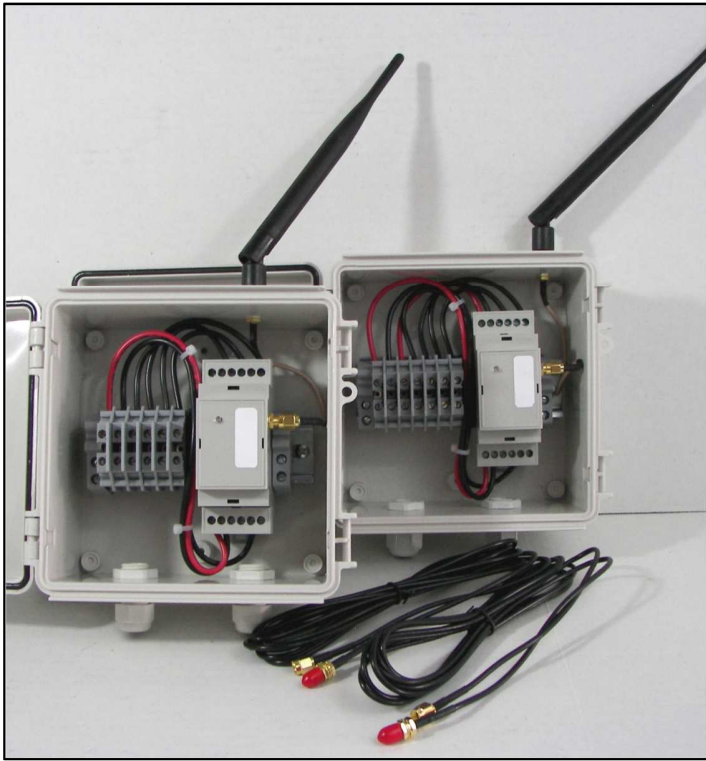




Series: WCS2W24-OC

2-Way Wireless Remote Control System



FEATURES & BENEFITS

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

APPLACATIONS

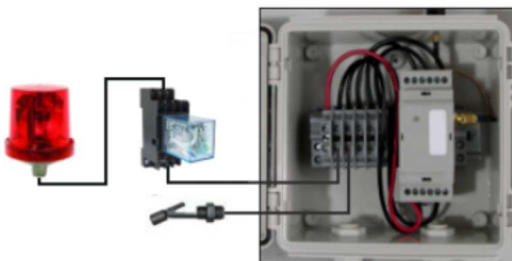
- Pump, Valve or Motor Control
- Gate or Lighting Control
- Remote Control Irrigation Systems

DESCRIPTION

The WCS2W24-OC Series Wireless 2-Way Remote Control System allows for remotely activating equipment from a distance of up to 1 mile away using license free wireless 802.15.4 communication. Each transceiver in the set is equipped with up to two contact closure inputs that are used to control open-collector outputs on the opposing unit. Models are available with 1 or 2 control lines. Control signals can be activated with dry-contact switches or connected to a PLC for automated control.

Example Application: Level Switches Activating Remote Water Pump with Alarm Feedback

Wireless Transceiver #1



Wireless Transceiver #2



General Specifications

Radio Frequency: ISM 2.4Ghz
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
US/CA Model: Indoor/Urban 300ft, Line-of-site 1 Mile
EU Model: Indoor/Urban 100ft, Line-of-site 300ft
Transmitter/Receiver Code Matching: Factory set
Wire Connection: Din-rail Terminal Blocks
Operating Temperature: -22 to 113 °F (-30 to 45 °C)
Enclosures: NEMA 4X. ABS/PC Blend Plastic

Transceiver Specifications

RF Power Output: 63mW (10mW EU Models)
RF Output Impedance: 50 Ohm nominal
Transmit Time: 250 ms
Operating Power: 5-12V DC or 120V AC
Input Type: Dry-contact Switch
Receive Sensitivity: -100 dBm
Operating Power: 5-12V DC or 120V AC
Control Output: Open-collector, 12V DC, 100mA Max

Regulatory Approvals

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

Series: **WCS2W24-OC**



Includes NEMA 4X Weatherproof Enclosures



Includes 9' Antenna Extension Cables

Model Number	Description	Control Lines
WCS2W24-OC-1	2-Way Wireless Remote Control Transceiver Set (USA/CANADA)	1
WCS2W24-OC-1-EU	2-Way Wireless Remote Control Transceiver Set (EU)	1
WCS2W24-OC-2	2-Way Wireless Remote Control Transceiver Set (USA/CANADA)	2
WCS2W24-OC-2-EU	2-Way Wireless Remote Control Transceiver Set (EU)	2

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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e-mail: info@imagineinstruments.com :: www.imagineinstruments.com

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