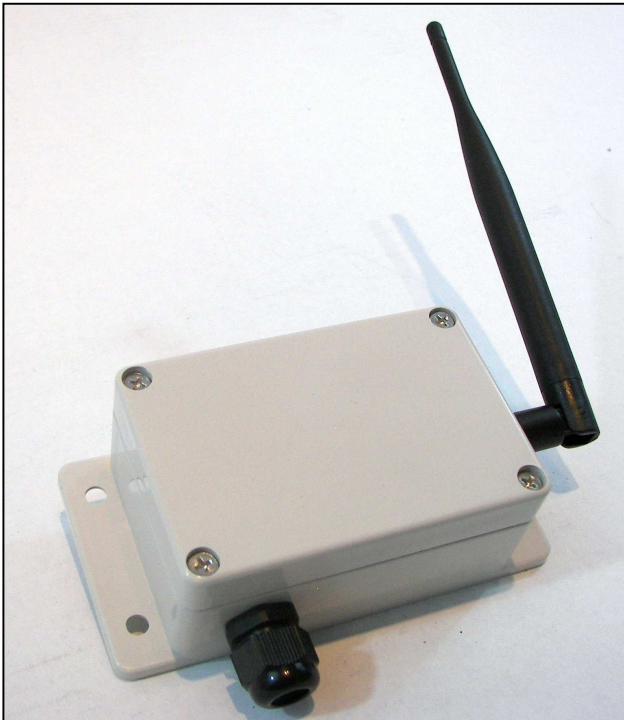




Series: **WCS24-MS**

# Wireless Remote Control Transmitter/Receiver Matched Set



## FEATURES & BENEFITS

- Up to 1 Mile Remote Control Operation
- Connect Switches or PLC To Activate
- Control Up To 4 Remote Devices
- Solar Power Option Available
- Weatherproof NEMA 4X Rated Enclosures
- Pre-configured, Ready-To-Operate
- Available With 10, 20 or 40 Amp Relays

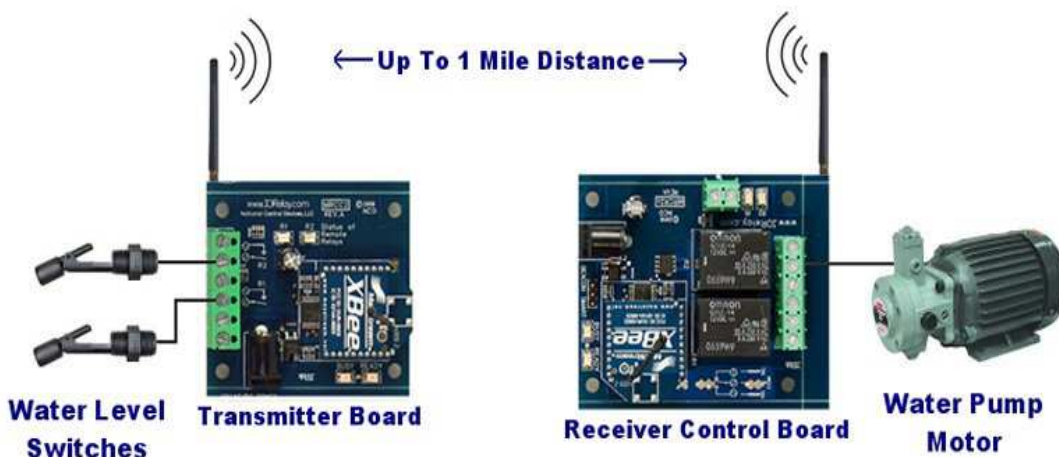
## APPLACATIONS

- Tank Monitoring or Water Level Alarm
- Process Controls, Instrumentation
- Level & Flow Control & Irrigation Systems
- Water Pump & Valve Motor Control

## DESCRIPTION

WCS24-MS - Wireless Remote Control System allows for remotely activating equipment from a distance of up to 1 mile using wireless 2-way 802.15.4 communication. The transmitter is equipped with contact closure inputs that control relays on the receiver unit. Models are available with 10, 20 or 40 Amp mechanical relays. Transmitter can be activated with dry-contact switches or connected to a PLC for automated control. Each model number includes one transmitter/receiver set. Approved for use in USA, Canada and Europe only

*Application Example: Controlling 1 Water Pump*



## General Specifications

**Radio Frequency:** 2.4Ghz  
**RF Power Output:** 63mW (10mW EU Models)  
**RF Output Impedance:** 50 Ohm nominal  
**Regulatory:** FCC Part 95 (No license required)  
**Transmitter/Receiver Code Matching:** Factory set

## Transmitter Specifications

**Transmit Time:** 250 msec  
**Switch Connection:** Terminal Blocks  
**Activation:** Dry contact (Push-button, switch, relay)  
**Operating Power:** 12Vdc or Solar Power Option  
**Operating Temperature:** -10 to 130 °F (-23 to 54 °C)  
**Enclosure:** Plastic, NEMA 4, 4x (IP66)

### Available Models (For USA/Canada Only)

Model Number	Control Lines	Relays
WCS24-MS-2-10A	2	10A SPDT (2EA.)
WCS24-MS-4-10A	4	10A SPDT (4EA.)
WCS24-MS-2-20A	2	20A SPDT (2EA.)
WCS24-MS-4-20A	4	20A SPDT (4EA.)
WCS24-MS-2-40A	2	40A SPDT (2EA.)
WCS24-MS-4-40A	4	40A SPDT (4EA.)

### Available Models (For Europe)

Model Number	Control Lines	Relays
WCS24-MS-E-2-10A	2	10A SPDT (2EA.)
WCS24-MS-E-4-10A	4	10A SPDT (4EA.)
WCS24-MS-E-2-20A	2	20A SPDT (2EA.)
WCS24-MS-E-4-20A	4	20A SPDT (4EA.)
WCS24-MS-E-2-40A	2	40A SPDT (2EA.)
WCS24-MS-E-4-40A	4	40A SPDT (4EA.)

Each model includes: wireless transmitter/wireless control receiver matched set with two NEMA 4X enclosures and two antennas.

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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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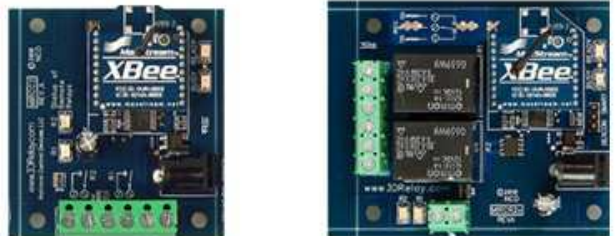
## Receiver/Controller Specifications

**RF Control Outputs:** See model table  
**Control Connection:** Terminal Blocks  
**Operating Power:** 12Vdc or Solar Power Option  
**Operating Temperature:** -10 to 130 °F (-23 to 54 °C)  
**Enclosure:** Plastic, NEMA 4, 4x (IP66)

## Regulatory Approvals

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

### Wireless Transmitter/Receiver Board Set Example



## Range Specifications

### US/Canada Models

**Maximum Transmit/receive Distance:**  
 Indoor/Urban – 300', Line-of-site – 1 Mile

### EU Models

**Maximum Transmit/receive Distance:**  
 Indoor/Urban – 100', Line-of-site – 300'