



Series: DRWC-2W-900

## Din-rail 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 6 Miles Line-of-site Transmit/Receive Distance
- Provides Dual Open-collector Control Output
- Powered By 12-24V DC Supply
- Easy To Install Din-rail Style Enclosures
- Pre-configured, Ready-To-Operate
- Sold As Two Transceiver Matched Pair
- License Free Radio Operation

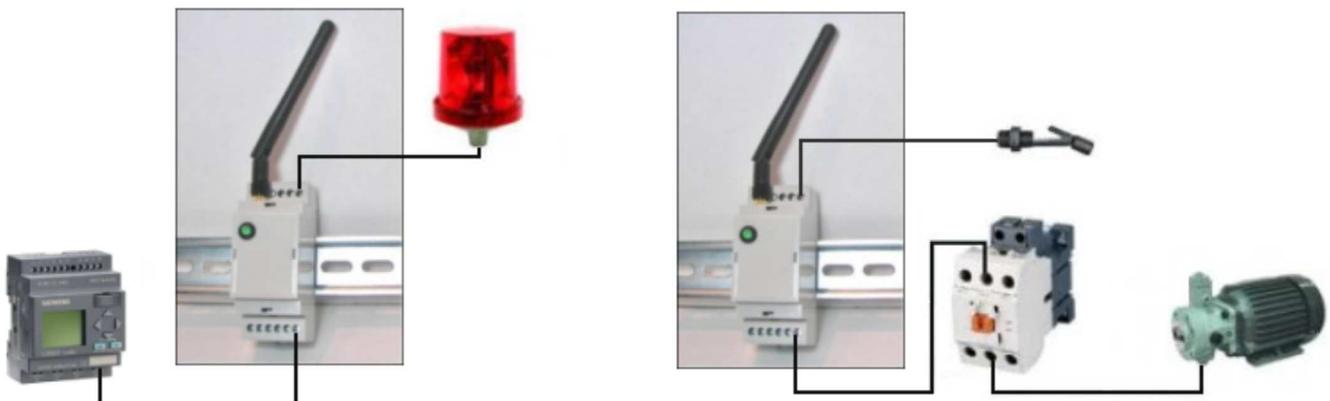
### APPLACATIONS

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

### DESCRIPTION

The DRWC-2W-900 Series Wireless Remote Control System with 2-way operation allows for remotely activating equipment from a distance of up to 6 miles away using license free wireless 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



## General Specifications

Series: **DRWC-2W-900**

**Radio Frequency:** ISM 900 MHz  
**Regulatory:** FCC Part 95 (No license required)  
**Control Lines:** 1 or 2  
**Antenna Connection:** RP-SMA  
**Antennas:** 5 dBi, Omni-directional (Included)  
**Transmit/Receive Distance** (with included antennas)  
Indoor/Urban 1000ft, Line-of-site 2 Miles  
**Transmit/Receive Distance** (with optional antennas)  
Indoor/Urban 1600ft, Line-of-site 6 Miles  
**Transceiver Code Matching:** Factory set  
**Wire Connection:** Terminal Blocks  
**Operating Temperature:** -22 to 113 °F (-30 to 45 °C)  
**Enclosures:** Din-rail mount (35mm), ABS/PC Blend Plastic

## Transceiver Specifications

**RF Power Output:** 100mW  
**RF Output Impedance:** 50 Ohm nominal  
**RF Data Rate:** 200 Kbps  
**Operating Power** 12 - 24V DC @ 3W max  
**Input Type:** Dry-contact  
**Receive Sensitivity:** -100 dBm  
**Control Output:** Open-collector, 12-24V DC, 100mA Max

## Regulatory Approvals

**FCC(USA):** MCQ-XBEEEXSC  
**IC (Canada):** 1846A-XBEEEXSC

## Available Models

Model Number	Description	Control Lines
DRWC-2W-900-1	Wireless Remote Control Transceiver Pair	1
DRWC-2W-900-2	Wireless Remote Control Transceiver Pair	2

Note: Continued product improvements make specifications subject to change without notice.  
Check [www.imagineinstruments.com](http://www.imagineinstruments.com) for the latest product information and updates

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Includes 9' Antenna Extension Cables