



Series: DRWC-900

## Din-rail 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 6 Mile Line-of-site Transmit/Receive Distance
- Receiver Provides Open-collector Control Output
- Powered By 12-24V DC Supply
- Easy To Install Din-rail Style 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 DRWC-900 Series Wireless Remote Control System allows for remotely activating equipment from a distance of up to 6 miles away using license free wireless communication. The transmitter is equipped with up to four 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. Transmitter can be 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: **DRWC-900**

**Radio Frequency:** ISM 900 MHz  
**Regulatory:** FCC Part 95 (No license required)  
**Control Lines:** 1, 2 or 4  
**Antenna Connection:** RP-SMA  
**Antennas:** 5 dbi, Omni-directional (Included)  
**Transmit/Receive Distance** (with Included antennas)  
Indoor/Urban 1000ft, Line-of-site 3 Miles  
**Transmit/Receive Distance** (with optional antennas)  
Indoor/Urban 1600ft, Line-of-site 6 Miles  
**Transmitter/Receiver 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



Includes Antenna Extension Cables

## Transmitter Specifications

**RF Power Output:** 100mW  
**RF Output Impedance:** 50 Ohm nominal  
**RF Data Rate:** 10 Kbps  
**Operating Power** 12 - 24V DC @ 2W max  
**Input Type:** Dry-contact

## 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) - MCQ-XBEEESC  
IC (Canada) - 1846A-XBEEESC

## Available Models

Model Number	Description	Control Lines
DRWC-900-1	Wireless Remote Control Transmitter/Receiver Set	1
DRWC-900-2	Wireless Remote Control Transmitter/Receiver Set	2
DRWC-900-4	Wireless Remote Control Transmitter/Receiver Set	4

## Available Options

Model Number	Description
DRWC-900-LRANT	Optional Long Range Antenna Set (up to 6 miles line-of-site)

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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