



Series: DRWC-24

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 1 Mile Line-of-site Transmit/Receive Distance
- Receiver Provides Open-collector Control Output
- Transmitter Powered By Battery or 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-24 Series Wireless 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. 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-24

Radio Frequency: ISM 2.4Ghz

Regulatory: FCC Part 95 (No license required)

Control Lines: 1, 2 or 4

Antenna Connection: RP-SMA

Antennas: 3dbi, 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: Din-rail mount (35mm), ABS/PC Blend Plastic

Transmitter Specifications

RF Power Output: 63mW

RF Output Impedance: 50 Ohm nominal

RF Data Rate: 250 kbps

Operating Power 12 - 24Vdc @ 2W max

Input Type: Dry-contact



Includes Antenna Extension Cables

Receiver/Control Specifications

Receive Sensitivity: -100 dBm

Operating Power: 12 - 24V DC @ 3W max

Control Output: Open-collector, 12-24Vdc, 1.2W Max

Regulatory Approvals

FCC(USA) - OUR-XBEEPRO

IC (Canada) - 4214A-XBEEPRO

Available Models

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

Available Options

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

For models with 2-way control see Series: DRWC-2W-24

For models with longer transmit/receive distance see Series: DRWC-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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Released: 11 March, 2015 :: Rev: B