Remote Control Technology
Simple Wireless Solutions

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Applications Include: Pumps, Valves, Relays, Conveyors, Grain Augers, Alarm Systems, PLC Activation, Stackers, Automation

Medium-Range Wireless Switch System part #: 01240

The Medium Range Wireless Switch System (MRWSS) is designed for medium range (up to 2 miles*) and simple wireless switching. Applications where faulty wire replacement or new installation is not possible or practical, the MRWSS is the simple solution for:

- Pump Control
- Valve Actuation
- Conveyor Control
- Grain Augers
- Light Control
- Stackers
- PLC Activation
- Engine Control
- Wireless Automation

The MRWSS consists of a two-input (dry contact closure) transmitter and a two-output (12 VDC) receiver. Complete with power supplies and antennas, simply make your connections and the MRWSS is ready for use and guaranteed to perform.

Operation

Operation is simple; connect a switch, relay, or any device with a dry contact closure to the transmitter inputs (terminal block). When a contact is closed, the transmitter will immediately send an “ON” transmission to the receiver, changing the state of the selected receiver output from 0 VDC to 12 VDC @ 1 Amp. The receiver output can be used to activate a relay, solenoid, or a light. Immediately after a contact is open, the transmitter will send an “OFF” transmission to the receiver, changing the state of the selected output from 12 VDC to 0 VDC, turning off the connected device.

Solar Panel Kits: Turnkey, 12 VDC solar panel kits are available for locations without electricity.

2 Dry Contact Input Transmitter Specifications

Power Requirements	Supply Power: 12 VDC (15 W Power Supply Included) XMIT Current: 200 mA STBY Current: 35 mA
Radio	Output: 2 Watts (2 mile Ptoential Range) Frequency: 26.995 FM Format: PDTFM FSK FCC Part 95 Subpart E compliance (No License Required)
Operating Environment	Indoor or Outdoor -40 degrees F to 140 degrees F

MRWSS Transmitter
Part #: 01241

Includes:
- 2 Input 2 Wattt Radio Transmitter
- 15 Watt Power Supply (110 VAC to 240 VAC Input, 12 VDC Output)
- NEMA 4x Plastic Enclosure
- 42” High Gain Antenna
- Right Angle Antenna Mount
- 25’ Coax Cable w/ BNC Connectors

2 12VDC Output Receiver Specifications

Power Requirements	Supply Power: 12 VDC (15 W power supply included) Output Current: 1 Amp per output STBY Current: 45 mA
Radio	Frequency: 26.995 MHz FM Superheterodyne FM Receiver FCC Part 15 Compliance (No License Required)
Operating Environment	Indoor or Outdoor -40 degrees F to 140 degrees F

MRWSS Receiver
Part #: 01242

Includes:
- 2 Output Receiver
- 15 Watt Power Supply (110 VAC to 240 VAC Input, 12 VDC Output
- NEMA 4x Plastic Enclosure
- 42” High Gain Antenna
- Right Angle Antenna Mount
- 25’ Coax Cable w/ BNC Connectors

Mounted in Plastic NEMA 4x enclosures, the MRWSS system is designed for outdoor/indoor industrial applications. Remote Control Technology backs that up with a three year warranty. The transmitter has an output power of 2 watts @ 26.995 MHz. The potential range is approximately 2 miles* and, with proper antenna application, is **not limited to line of sight communication**.

***The Range of all Radio products is dependent on local conditions and antenna selection / location**