



**Applications Include:**

**Pumps, Valves, Relays, Conveyors, Grain Augers, Alarm Systems, PLC Activation, Stackers, Automation**

## Long Range Wireless Switch System part #: 01210

The Long Range Wireless Switch System (LRWSS) is designed for long range (up to 5 miles\*) and simple wireless switching. The LRWSS is the simple solution for applications where faulty wire replacement or new installation is not possible or practical. Possible applications include:

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


The LRWSS consists of a six-input transmitter and a six-output (12 VDC) receiver. It comes complete with power supplies and antennas; all you need to do is connect the devices you want to control, and the LRWSS 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 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 and turning off the connected device.

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

### 6 Dry Contact Input Transmitter Specifications

<b>Power Requirements</b>	Supply Power: 12 VDC (power supply included) XMIT Current: 200 mA STBY Current: 35 mA		<b>LRWSS Transmitter</b> <b>Part #: 01217</b>
<b>Radio</b>	Output: 4 watts (5 mile* potential range) Frequency: 27.255 FM Format: PDTFM FSK FCC Part 95 Subpart E compliance (no license required)		<b>Includes:</b>
<b>Operating Environment</b>	Indoor or Outdoor -40 degrees F to 140 degrees F		<ul style="list-style-type: none"> <li>• 6 input, 4 watt radio transmitter</li> <li>• 15 watt power supply (110 VAC to 240 VAC input, 12 VDC output)</li> <li>• 42" high-gain antenna</li> <li>• right-angle antenna mount</li> <li>• 25' coaxial cable w/ BNC connectors</li> </ul>

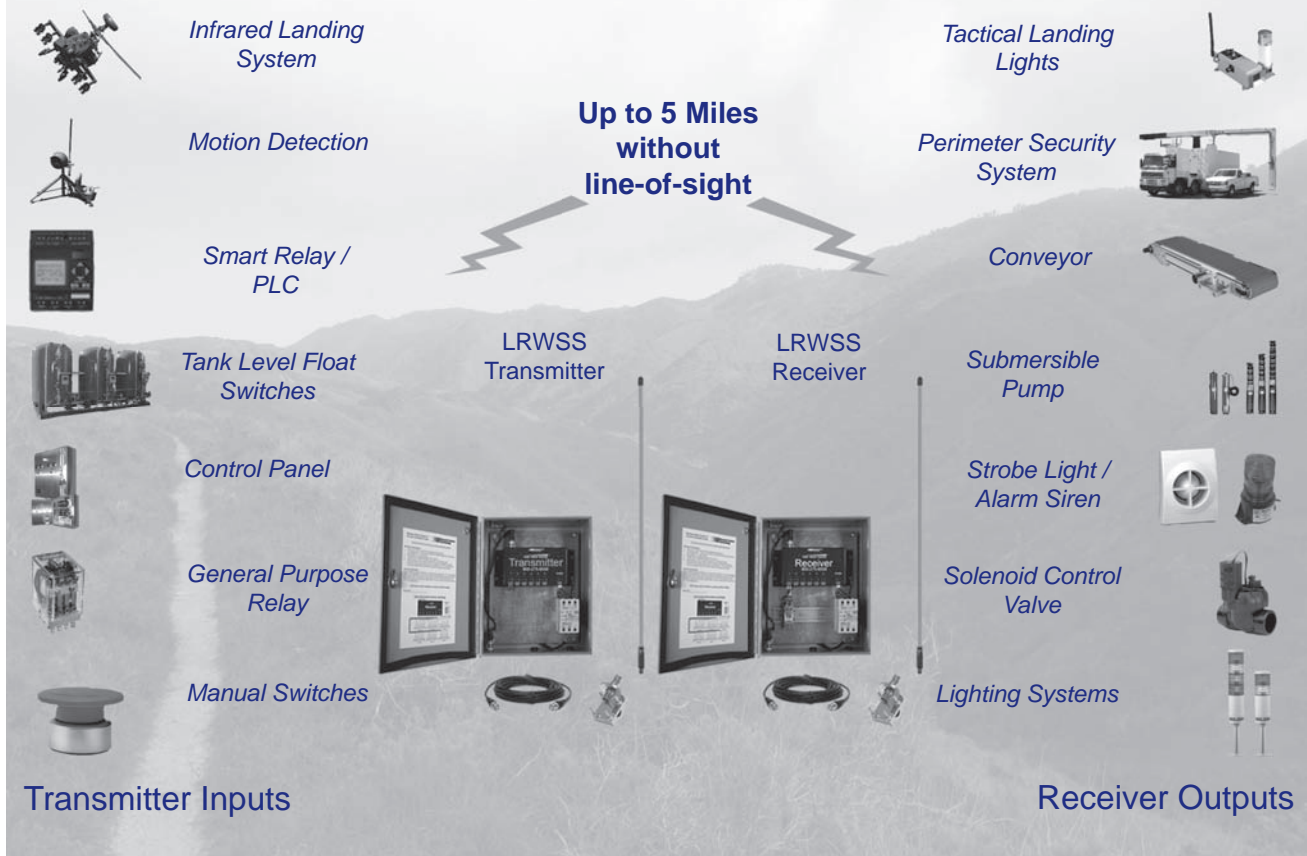
### 6 12VDC Output Receiver Specifications

<b>Power Requirements</b>	Supply Power: 12 VDC (15 W power supply included) Output Current: 1 amp per output STBY Current: 45 mA		<b>LRWSS Receiver</b> <b>Part #: 01216</b>
<b>Radio</b>	Frequency: 26.995 MHz FM superheterodyne FM receiver FCC Part 15 Compliance (no license required)		<b>Includes:</b>
<b>Operating Environment</b>	Indoor or Outdoor -40 degrees F to 140 degrees F		<ul style="list-style-type: none"> <li>• 6 output receiver</li> <li>• 15 watt power supply (110 VAC to 240 VAC input, 12 VDC output)</li> <li>• NEMA 4X enclosure</li> <li>• 42" high-gain antenna</li> <li>• right-angle antenna mount</li> <li>• 25' coaxial cable w/ BNC connectors</li> </ul>

Mounted in metal NEMA 4X enclosures, the LRWSS is designed for outdoor/indoor industrial applications. Remote Control Technology also offers a three-year warranty for this system. The transmitter has an output power of 4 watts @ 26.995 MHz. The potential range is approximately 5 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.

# Simple Wireless Solutions



- The range of devices that can be controlled with this system are limitless; the picture above only shows a few of the possible applications for the LRWSS.
- Control up to six devices from up to 5 miles away without line-of-sight\*.
- Performance is backed by a three-year warranty.
- The wiring diagram below gives an example of how to connect the system using a push-button switch to wirelessly control a motor:

