Remote Control Technology
Simple Wireless Solutions

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

Short-Range Wireless Switch Systems part #s: 01245, 5810XS

The Short Range Wireless Switch Systems (SRWSS) are designed for short range (up to ½ mile*) and simple wireless switching. The SRWSS are the simple solution for applications where faulty wire replacement or new installation of conduit is not possible or practical. Possible applications include:

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

The SRWSS consists of a 1 or 8 input (12 VDC) transmitter and a 1 or 8 output (SPDT Class C Relay) receiver. Complete with power supplies and antennas, simply make your connections and the SRWSS is ready for use and guaranteed to perform.

Operation

The SRWSS is designed to be mounted to a wall or in an enclosure; the transmitter is triggered by supplying 12VDC to the terminals on the transmitter enclosure. Applying 12VDC to the transmitter activates the transmitter sending a coded set of instructions to the receiver. A 2-position DIP switch allows the user to select 4 modes of operation, which controls transmission duration. The Receiver has several modes of operation. These modes determine how the output relay functions once a properly coded signal is received. A set of DIP switches located next to the Micro Controller allows the user to select the mode of operation for the output relay.

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

1, 2, or 8 Dry Contact Input Transmitter Specifications

Power Requirements	Supply Power: 12 VDC (Power Supply Included) XMIT Current: 300 mA STBY Current: 12 mA
Radio	Output: 1 Watt (1/2 Mile Potential Range) Frequency: 27.195 MHz FM Security: Over 4 Billion Digital Codes FCC Part 95 Sub part E compliance (No License Required)
Modes of Operation	Mode 1: 2 - 62 second tx repeat Mode 2: 1 - 10 min tx repeat Mode 3: continuous 5 min transmit Mode 4: 1.5 sec tx burst

SRWSS Transmitter Part #s:

Model	27 MHz	Inputs
SRWSS 1 Tx	01247	1
SRWSS 8 Tx	5810XT	8

Includes:
- 1 or 8 Input Transmitter
- NEMA 4x Plastic Enclosure
- Power Supply
- High Gain Antenna, Mount, and Coax Cable

The SRWSS 27 MHz Radio Signal is not limited by line of sight and can transmit over small buildings and through trees.

1, 2, or 8 Relay Output Receiver Specifications

Power Requirements	Supply Power: 12 VDC (Power Supply Included) Relay ON Current: 45 mA STBY Current: 10 mA
Radio	Frequency: 27.195 MHz FM Bandwidth: 25 KHz at -20dB FCC Part 15 Compliance (No License Required)
Modes of Operation	Relay Contact Rating: 5A @ 250 VAC Relay Type: SPDT Class C Mode 1: Momentary (MOM) Mode 2: Flip Flop (FF) Mode 3: Latching-On (SRWSS 1 Rx Only: Off Delay 1 - 300 sec)

SRWSS Receiver Part #s:

Model	27 MHz	Inputs
SRWSS 1 Rx	01246	1
SRWSS 8 Rx	5810XR	8

Includes:
- 1 or 8 Output Receiver
- Relays with 5A @ 250 VAC Rating
- NEMA 4x Plastic Enclosure
- Power Supply
- High Gain Antenna, Mount, and Coax Cable

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