Remote Control Technology
Simple Wireless Solutions

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Applications Include: Pumps, Valves, Relays, Conveyors, Center Pivots, Lights, Alarm Systems, PLC Activation, Engine Controls, Wireless Automation.

Remote Switch System 1

The Remote Switch System 1 (RSS 1) is designed for short range (up to 350 Yards*) and simple wireless switching. Applications where faulty wire replacement or new installation is not possible or practical, the RSS 2 is the simple solution for:

Pump Control	Gate Control	PLC Activation
Valve Actuation	Light Control	Engine Control
Conveyor Control	Alarm Systems	Wireless Automation

The RSS 1 consists of an 1-button (9 VDC) hand-held transmitter and a 1-output (SPDT Class C Relay) receiver. Simply make your connections to the receiver, connect the supplied antenna and the RSS 1 is ready for use.

Operation

The RSS 1 transmitter is a momentary single push button hand-held transmitter with a visual tactile response. As an added security feature, the transmitter is digitally coded to match the receiver's random code to prevent unwanted reception. Over 4 Billion code combinations are available. The RSS 1 receiver is designed to be mounted to a wall or in an enclosure. The receiver has several modes of operation. These modes determine how the output relay functions once a properly coded signal is received. A 4-position DIP switch located next to the Micro Controller allows the user to select the mode of operation for the output relay and is used to program the transmitter push buttons. The programming port on the receiver and transmitter allows the user to digitally code the transmitter to match the random digital code generated by the receiver. This digital code is easily reset.

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

One Push Button Hand-Held Transmitter Specifications

Power Requirements	Supply Power: 9 VDC Battery XMIT Current: 40ma STBY Current: 0ma
Radio	Output: ¼ Watt (350 Yard Potential Range) Frequency: 27.195MHz FM Security: Over 4 Billion Digital Codes FCC Part 95 Subpart E Compliance (No License required)

RSS 1 Transmitter
PN: 5109T

Press to Transmit

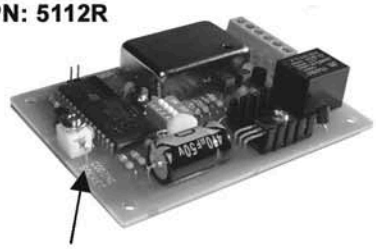
Programming Port

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

One Output Receiver Specifications

Power Requirements	Supply Power: 12 VDC Relay ON Current: 70ma STBY Current: 10ma
Radio	Frequency: 27.195 MHz FM Bandwidth: Less than +/- 5.0 KHz Security: Over 4 Billion Digital Codes FCC Part 95 Subpart E 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: 1-10 Sec. OFF Delay** **Mode 4: 10-300 Sec. OFF Delay** **Mode 5: Latching-on**

RSS 1 Receiver
PN: 5112R



Programming Port