Remote Control Technology
Simple Wireless Solutions

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

Wireless Automation Systems part #s: 7112S, 7212S, 7812S

The Wireless Automation Systems (WAS) are designed for medium range (up to 2 miles line of sight*) and simple wireless switching. The WAS 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 WAS consist of a 1, 2, or 8 input (12 VDC) transmitter and a 1, 2, or 8 output (SPDT Class C Relay) receiver. Complete with power supplies and antennas, simply make your connections and the WAS are ready for use.

Operation

The transmitter is activated when power is applied and a dry contact connected to the terminal block is closed. 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: 85 mA STBY Current: 12 mA
Radio	Output: 100 mWatts (2 Mile Potential Range) Frequency: 151.6 MHz FM Security: 4096 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

WAS Transmitter Part #s:

Model	151 MHz	Inputs
WAS 1 Tx	7112T	1
WAS 2 Tx	7212T	2
WAS 8 Tx	7812T	8

Includes:
- 1, 2, or 8 Input Transmitter
- NEMA 4x Plastic Enclosure
- Power Supply
- High Gain Antenna, Mount, and Coax Cable

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

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: 151.6 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 (WAS 1 Rx Only: Off Delay 1sec - 300sec)

WAS Transmitter Part #s:

Model	151 MHz	Outputs
WAS 1 Rx	7112R	1
WAS 2 Rx	7212R	2
WAS 8 Rx	7812R	8

Includes:
- 1, 2, 4 or 8 Output Receiver
- Relays with 5A @ 250 VAC Rating
- NEMA 4x Plastic Enclosure
- Power Supply
- High Gain Antenna, Mount, and Coax Cable

The WAS are designed for use in heavy industrial applications with electrical inerference.