Remote Control Technology
Simple Wireless Solutions

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Applications Include: Pumps, Valves, Relays, Conveyors, Tank Level, Alarm Systems, PLC Activation, Data Monitoring, Automation

Wireless Automation System 2 DA part #: 01250

The Medium Range Wireless Automation System 2 DA (WAS2 DA) is designed for analog data transfer and simple wireless switching up to 2 miles. WAS2 DA is the simple solution for applications where faulty wire replacement or new installation of conduit is not possible or practical. Possible applications include:

- Pump Control
- Flow Rate Monitoring
- Conveyor Control
- Tank Level Monitoring
- Light Control
- Alarm Systems
- PLC Activation
- Data Logging
- Wireless Automation

The WAS2 DA includes a transmitter with one discrete digital and one analog data (4 – 20 mA) input and a receiver with one SPDT Class C Relay and one 4 – 20 mA output. Simply make dry contact closure and analog data connections to the transmitter, then connect your discrete and analog outputs from the receiver to your controller or device and the WAS2 DA is ready for use.

Operation

The WAS2 DA stationary transmitter operates 1 analog channel and 1 discrete digital channel at 151 mHz. The analog channel has sample rates from 2 seconds up to 10 minutes, and the discrete digital channel will transmit indefinitely (at the sample rate) while the contact is closed. The WAS2 DA receiver will output the state of the discrete digital contact from the transmitter through a relay contact and the 4 – 20 mA signal from the transmitter with 10-bit accuracy. As an added security feature, a 12-position DIP switch allows the user to digitally code the transmission to prevent unwanted reception.

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

Analog / Discrete Input Transmitter Specifications

Power Requirements	Supply Power: 12 VDC XMIT Current: 80ma STBY Current: 12ma
Radio	Output: 100 mW (2 mile Ptoential Range w/ Line of Sight) Frequency: 151.6 MHz FM Security: 4096 Digital Codes FCC Part 95 Subpart E compliance
Operating Environment	Indoor or Outdoor 23 degrees F to 140 degrees F

WAS2 DA Transmitter
Part #: 01251

Set digital code

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

Analog / Discrete Output Receiver Specifications

Power Requirements	Supply Power: 12 VDC Relay On / Analog Current: 65 mA STBY Current: 22ma
Radio	Frequency: 151.6 MHz FM Bandwidth: 25 KHz @ -20 dB Security: 4096 Digital Codes FCC Part 15 compliance (No License Required)
Outputs	Relay Contact Ratings: 5A @ 250 VAC Relay Type: SPDT Class C 4 - 20 mA current loop, 10 bit
Operating Environment	Indoor or Outdoor 23 degrees F to 140 degrees F

WAS2 DA Receiver
Part #: 01252

Set digital code

The MRWSS 151 DA analog output will connect to any controller that reads 4 - 20 mA data such as a flow meter, data logger, tank level indicator, or process meter.