

## 16-Channel, 915 MHz Transmitter and Receiver

### Features

- Frequency hopping between 915 to 928MHz
- Eight channels with simultaneous channel reception
- Digital Coding, 12-way dipswitch or encrypted coding
- Crystal controlled for high stability and accuracy
- Can operate several transmitters and receivers next to each other with no interferences or jamming
- Transmitter uses standard 9V battery
- 12-way dipswitch (4096 codes) or Encrypted (over 16 million codes)
- User selectable modes
- Up to 150 meters in range

### General Description

The Short Range Wireless Switch System 902-928MHz System 16 button transmitter and receiver use fast frequency hopping (FFH) to allow up to eight transmitters and receivers to be used in the same area without any interference or jamming. These units use dual digital coding called Multicode Technology. This digital coding can be used either 12-way dipswitch or encrypted coding. The receiver output relay has two modes that control how the relays function. The relays are SPDT Class C rated for 5 amps @ 250VAC (or 5A @ 30VDC) with Normally Open (NO), Normally Closed (NC), and a Common (C) contacts.

Possible applications include:

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

### Technical Data

#### Transmitter

SUPPLY VOLTAGE	9-Volt (Absolute max 11.0 Volts)
STANDBY CURRENT	5uA
CURRENT CONSUMPTION	65.00Ma
LED	Flashing Red (Replace Battery, Battery at 6V), Orange LED Flashes (Encrypted Code Successfully Programmed)
ANTENNA	Built-in PCB proprietary track
OPERATING RANGE	164 yards
DUAL DIGITAL CODING SYSTEM	12-way dipswitch (4096 codes) or encrypted (Over 16 million codes)

#### Modes of Operation

Modes are user selectable from the 4-way dip switch located on the receiver.

#### Factory Default-Momentary

**Momentary**-Output is active for as long as the transmitter button is pressed.

**Latching**-Output remains active until next press of transmitter button.

**Security Latching**-Output remains active until power to the receiver is removed.

#### Receiver

SUPPLY VOLTAGE	Supply Power: 12 VDC or 110-240 VAC
CURRENT CONSUMPTION	30 mA stand by at 12VDC, 50mA with 1 relay "On" or 350mA with 16 relays "On"
SENSITIVITY	1uV (For output to switch on)
DECODING SYSTEM	12-way dipswitch (4096 codes) or encrypted (Over 16 million codes)
OUTPUTS	16 open collector outputs. All outputs can be ON simultaneously with each
RELAY CONTACTS	Common (C), Normally Closed (NC), Normally Open (NO)
ANTENNA	900 MHz 6 dBi Omnidirectional Antenna Hyper Gain® with mounting hardware/ light duty version comes with 4" 900Mhz Whip Antenna
OPERATING RANGE	164 yards