

## FEATURES:

- Receives wireless data from up to sixteen ST-48RF Monitors
- Provides four, 5 amp SPDT common alarm relays for **A1, A2, A3 & FAIL** ST-48RF alarms
- *Event Log* displays alarm history of each ST-48RF communicating on the wireless network
- "Repeater Mode" allows retransmission of ST-48RF signals that may be "Out of Range" of the destination controller due to distance or obstructions
- 900MHZ and 2.4GHZ FHSS (Frequency Hopping Spread Spectrum) models available
- Configurable as the wireless network's "Client" or "Server"
- Magnetic keypad for nonintrusive operation in potentially hazardous locations
- Suitable for Division 1 Gr. B, C, D hazardous areas when supplied with Division 1 antenna (shown). Suitable for Division 2 Gr. A, B, C, D when supplied with 10-0295 RP-SMA antenna bushing.



Shown with 1000-2193 explosion-proof dipole antenna and 10-0284 red strobe light options

## DESCRIPTION:

The R.C. Systems ST-95 "Wireless Relay/Repeater" accepts data from up to sixteen of our ST-48RF wireless FHSS sensor transmitters. Applications include providing alarm relays for annunciation purposes and/or retransmission (REPEATER MODE) of ST-48RF wireless signals that are "Out of Range" of their destination controller. ST-95 LCD readouts also display alarm events and real time ST-48RF readings in percent of full scale.

The ST-95's four, 5 amp form C "common" relays mimic **A1, A2, A3 & FAIL** alarm events flagged by the ST-48RF monitors. ST-95's are often combined as accessories in systems with the more sophisticated ST-71 sixteen and ST-90/QUAD channel controllers. However, ST-95's remain a cost effective total solution for small systems with simple requirements. ST-95's may be set as the network's "Server" and no other controller is required by the ST-48RF "Clients".

The ST-95's "repeater" feature may be configured for channel by channel retransmission of ST-48RF signals. This is useful if any ST-48RF transmissions have difficulty reaching their ST-71 or ST-90/QUAD Controllers due to distance or obstructions. ST-95/RF900 900MHZ model's transmit power is adjustable between 10mW and 1 watt (EIRP w/2dBi antenna). ST-95/RF2400 2.4GHZ models have power fixed at 100mW (EIRP w/3dBi antenna).

ST-95's require an external 10-30VDC power source and are ideally suited for 12 volt solar power.