

# SCT-8 / SCR-8

## CONTACT SUPERVISORY & CONTROL SYSTEM



These devices transmit relay contact control and alarm signals over any digital or analog audio link. The control signal is encoded in the audio channel prior to digitizing so it works with all digital compression systems. This system can be used with any existing audio programming to provide contact command and control information carried on the audio signal itself. Use this on your (STL) Studio To Transmitter Link or microwave system to send and receive contact information for remote control and telemetry from your transmitter site or any remote facility.

Contact closures at the SCT-8 transmitter input will be repeated as relay contact closures at the SCR-8 receiver output. The unit can be ordered with supervised resistance contact input/outputs.

The SCT-8 SUPERVISORY CONTROL TRANSMITTER and the SCR-8 SUPERVISORY CONTROL RECEIVER together make up an 8 channel alarm and control system. The transmitter unit uses a small portion of the 19KHz spectrum in the audio to insert coded contact information. At the other end of the audio link the receiver decodes the contact information and then removes the coded signal from the audio.

As many as 8 Transmitters and any number of receivers may be placed on one audio signal to give you up to 64 contact alarms. There is a separate system alarm contact on the receiver that will operate upon loss of power to the transmitter terminal or loss of transmission path audio link failure. This system can be used with existing audio in the 19KHz mode, or use it without audio in the 1.5KHz mode. These two modes of operation will give you maximum flexibility with your installation.

## SCT-8 (Transmitter)

### CONTACT INPUT

Channels  
Connectors  
Alarm Sense  
Maximum Loop Resistance  
Modulation Frequency

### SPECIFICATIONS

8 Channels (Current Loop 2mA)  
20 Pos. Screw Terminal  
Contact closure (Loop)  
1K ohm (Supervised Optional)  
19KHz or 1.5KHz (Field Selectable)

### AUDIO INPUT

Level  
Maximum Level  
Impedance  
Connector

0 dBm  
+18dBm  
20K Ohm (HI-Z Balanced)  
Screw Terminal

### AUDIO OUTPUT

Level  
Distortion  
Maximum Level  
Impedance  
Connector

0 dBm  
 $\geq 0.01$  THD.  
+18dBm  
600 Ohms (LO-Z Balanced)  
Screw Terminal

## SCR-8 (Receiver)

### CONTACT OUTPUT

Channels  
System Alarm Output  
Connectors  
Receiver Frequency

### SPECIFICATIONS

8 Channels (Relay Output)  
Normally Open Relay Contact  
20 Pos. Screw Terminal  
19KHz or 1.5KHz (Field Selectable)

### AUDIO INPUT

Level  
Maximum Level  
Impedance  
Connector

0 dBm  
+18dBm  
20K Ohm (HI-Z Balanced)  
Screw Terminal

### AUDIO OUTPUT

Level  
Distortion  
Maximum Level  
Impedance  
Connector

0 dBm  
 $\geq 0.01$  THD.  
+18dBm  
600 Ohms (LO-Z Balanced)  
Screw Terminal

### MECHANICAL (each)

Size  
Power

9.00"L X 4.5"W X 3.0"D  
24 VAC 200 mA

SCT-8spc