



Cue Tone Controlled A/V & IF/RF Switch

model
948A

Specifications

Decoder Input Impedance:
10 k Ω unbalanced

Decoder Input:
45 mV p~p (-34 dBmV) to 13.8 V
p~p (+16 dBmV)

Digits Decoder:
12 Hz. @ \pm 6 dBmV twist maximum

Video Relay:
SPDT, 75 Ω BNC connectors

Video-IF/RF Isolation:
> 65 dBmV @ 65 MHz
> 50 dBmV @ 750 MHz

Video-IF/RF Return Loss:
< 26 dBmV to 65 MHz. typical
< 16 dBmV @ 750 MHz

Audio Relay:
DPDT, screw connectors

Contact Rating:
2.0 A. @ 28 VDC, 0.5 A. @ 120 VAC

**Power Requirement for
External Power Supply:**
100-240 VAC + 2% 50/60 Hz

Physical:
3.75" W X 3" H X 7.5" D
Weight: 4 lbs

Features

- Use with direct audio or *DIAL UP TELEPHONE LINE (POTS)*
- Select number of rings on telephone answer
- From 1 to 4 digit DTMF® code access
- Switching Balanced Stereo-follow-Band-Video, or IF/RF.
- Power supply included



Description

Monroe Electronics' Model 948A Cue Tone Receiver decodes Cue Tone signals transmitted by satellite and microwave program services to provide unattended audio/video switching. The Model 948A is capable of accepting a sequence up to four dual tone signals and responds by energizing its audio/video 2x1 switch. The Model 948A contains a telephone answering device and is compatible with standard Touch-Tone® enabling it to be adapted to many remote control applications.

The Model 948A monitors an audio signal, looking for a specific code sequence to which it has been programmed to respond. When the complete programmed ON code sequence is received the audio/video switch will energize. The switch remains energized until the programmed OFF code sequence is received, de-energizing the audio/video switch.

The telephone override feature permits remote control of the 948A's audio/video switch via Touch-Tone®. The 948A will answer the incoming signal, selectable on 1 - 9 rings, and complete an audio path to the decoder card. The calling party then enters the programmed ON or OFF four digit sequence to energize or de-energize the audio/video switch. An internal timer can be set to disconnect the 948A from the telephone line after 30 seconds, and is field adjustable from 6 - 135 seconds.

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