



# Cue Tone Decoder

model  
**R173**

## Specifications

**Audio Input:**

600  $\Omega$  balanced

**Input Signal Range:**

-24 dBmV to +6 dBmV

**Digit Validation:**

40 mSec. minimum

**Inter-digit Time:**

40 mSec. to 3 seconds

**Digits Per Second:**

Maximum 12 @  $\pm 6$  dBmV twist

**Set/Reset Inputs:**

>20 mSec. pulse to GND.

**Relay Outputs:**

SPDT; 2A. @ 30 VDC

**FCC Registration:**

AAK-99W-67353-VP-N

**Telephone Ring Voltage:**

60 to 150 VAC

**Power Requirement:**

94 - 240 VAC 50/60 Hz

**Physical:**

1.75" H x 19" W x 10.25" D

**Weight:**

5 lbs.

## Features

- Includes 4 Monroe 3185E decoder cards.
- Up to *twelve* (12) decoder cards may be installed
- Unattended telephone answering device
- Field programmable decoders
- External 'Set' and 'Reset' of each decoder for special applications
- Voice Response/Security Control, and telephone line interface standard
- Single or individual audio paths for decoders



## Description

The Model R-173 Cue Tone Decoder utilizes Cue Tone signals transmitted over satellite transponders or standard dial-up telephone lines. Use of the Cue Tone Receiver permits automatic, unattended operation of switching equipment in locations where non-duplication, blackout, or routing is required.

By utilizing the 'Set' and 'Reset' inputs on each channel, the Model R-173 Cue Tone Decoder may be used as a telephone override for the R-149 Program Timer or R-153 Program Timer 2, when controlling Switcher Panels. In this mode, up to 12 channels per Decoder may be controlled.

A Voice Response/Security Control PC Board is installed. The unit responds to a telephone call with a voice message. The board then requires a 3 digit DTMF code entry to allow access to the individual decoders.

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