

Model 637 Cue Tone Instruction Sheet



Description

Monroe Electronics' Model 637 Tone Decoder allows switch control via Cue Tones®.

Settings may be enabled for use of 1 to 4 Cue Tones. The output may be made to latch, toggle or provide a momentary pulse. Input levels may vary from -24 to +6 dB of audio.

Please refer to the instruction manual for the 3185E for specific switch and control settings.

Installation

1. Remove the four screws on the cover of the 637. Refer to the model 3185E manual, and set the jumpers for latching, toggling or momentary, and the number of digits to decode. Then set the 3 rotary switches to the code to be decoded.
2. Connect the device(s) to be controlled, to the common (COMM) and the normal open (NO) or the normally closed (NC) – as desired – connections on the terminal block.
3. The connections on the terminal block for (RELAY 1) and (RELAY 2) are separate contacts, but are part of the same relay.
4. The (SET) and (RESET) connections are used as described in the 3185E manual.
5. Connect the power supply's white wire to the +12 V DC on the 637, and the BLACK wire to (GND).

6. Replace the board in the case, and reinsert the screws to secure the case top.

Specifications

Auto Input Impedance

Selectable $600\Omega \pm 10\%$
>10 K Ω balanced/unbalanced

Audio Input Coupling

AC

Audio Input Level

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

Audio Input Range

-24 dBmV to 6 dBmV: adjustable
 ± 10 dBmV

Digit Validation Time

40 mSec minimum

Inter-digit Time

40 mSec to 3 Sec

Set/Reset Inputs

>20 μ Sec to 3 Sec

Relay Output

DPDT; 2A @ 30 VDC

Power Requirement

100-240VAC, 50-60 HZ input/
12VDC output
Supplied

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