

Audio Tone Detector: Model ATD1

Specifications:

Functional Description:

This unit has two separate sections, a 2 channel audio oscillator generator and a dual tone detector receiver. One audio oscillator operates at 1000 Hz and the other at 2000 Hz.

The receiver side will accept a audio input and detect if there is a 1KHz or 2KHz tone. When 1KHz is detected the output connector will have the pins 1 and 2 connected together through a relay. Also if a 2 KHz tone is detected then pins 1 and 3 will be connected.

Detect tolerance:

Adjustable

1 KHz +/- 100-200 HZ

2 KHz +/- 200-300 HZ

Inputs:

Audio: 1Vp-p

Connector: RCA Phono female

Power:

Voltage 9-12VDC

Connector 2.1mm female

Outputs:

Relay contact closure normally open.

Connector 3 pin removable with screw terminals

Audio:

RCA Phono type connectors

Level adjustable, nominal 1Vp-p

J3, Left Channel, 1000 Hz

J4, Right, Channel, 2000 Hz

Connections

Pin 1 common

Pin 2 1 KHz detect normally open to common.

Pin 3 2 KHz detect normally open to common.