

VSD-2 Dual Video Sync Detector



The VSD-2 is a device designed to detect video sync pulses, in order to verify the presence of a video signal and respond in the event of sync loss.

Two completely independent channels of detection monitor the two video inputs. Each channel has an indicator for the presence of sync, and an adjustable delay before sync loss notification occurs.

When a no sync condition still exists following the delay period, the no sync alarms are activated. The red no sync LED illuminates for the corresponding channel. An audible alarm (defeatable) is also activated. (The audible alarm may be permanently disabled if required.) The two form-C gold relay contacts for the channel are also switched, allowing external devices (such as the RI-2) to be controlled, or emergency backup audio to be routed.

All video connections are the BNC type.

VSD-2 Specifications

Power Requirements

115 VAC, 60 Hz or 230 VAC, 50 Hz; 5 W

Video Inputs

Input Impedance

75 ohms bridging

Input Signal Level

1 V p-p nominal, 3 V p-p maximum

Input Return Loss

Greater than 40 dB to 5 MHz

Input Connectors

BNC x 2 (looping)

DC Offset

+/-5 V maximum

Sync Detection

Detection Delay 0.25 sec. to 12 secs.

No Sync Indicator

LED, red

No Sync Alarm

Piezo, 4 kHz

Relay Contacts

Gold, form-C, 2 per channel

Relay Connectors

Screw clamp terminal blocks

Sync Indicator

LED, green

Physical Dimensions (Inches)

VSD-2

8.1 W x 1.9 H x 5.1 D

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