

# SAR-2



## STEREO AUDIO RELAY A/B SWITCH

The SAR-2 Stereo Audio Relay A/B Switch is a 2X1 Stereo audio relay switching unit that is operated by a 12 VDC or 24 VDC control voltage. This device is a Broadcast quality Balanced Stereo Audio Relay switch. When used to select from two different audio sources, the unit stays in the "A" channel output position until 12 VDC or 24 VDC is applied to the power input connector, then the unit switches the audio input source to the "B" channel output. If the power is disconnected the unit will automatically switch to the "A" channel output.

The switch can also be used to switch from one source of audio and choose output A or output B using the control voltage. When purchasing the SAR-2 please specify 12 VDC (SAR-2/12) or 24 VDC (SAR-2/24) operation.

This switch uses two DPST dry contact air gap type relays and can be used for any signal balanced or un-balanced that needs to be controlled by an external low voltage control signal. A total of 8 separate input connections are controlled in an A/B switch configuration with 4 common output connections.

The unit can be used to engage a hot standby source, put up a test tone or simply cut off the audio signal with an applied voltage. This system will maintain your stereo audio integrity and reduce trouble calls or use it for to multiply low voltage industrial control signals.

Also included is a Green LED which indicates the status of the audio A/B switch. When the LED is on the unit is switched to the "B" position and when the LED is off it is in the "A" position for a visual indication of relay position.

Standard plug-in style removable screw terminal connectors are used for all the input and output signals. The left audio and right audio are on separate connectors for easy wiring. These screw terminal plugs can be pre-wired for ease of installation. This relay unit is housed in a flame-retardant (94-5VA) ABS box with two screw flanges for easy mounting.

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### AUDIO

Input / Output	Balanced Left / Right
Frequency Response	Flat from DC to 50KHz
Cross-Talk (A/B)	> 80 dB
Cross-Talk (Left/Right)	> 80 dB
Signal to noise ratio	> 90 dB

### ELECTRICAL

Control Voltage	12 VDC or 24 VDC (Specify)
Contact Rating	0.3A @ 125 VAC
	0.3A @ 110 VDC
	1.0A @ 30 VDC

### MECHANICAL

Power requirement	12 or 24 VDC Power Cube (Included)
Power Connector	2.5mm X 5.5mm Barrel type
Audio Connector	2 Six Position Plug-in Screw Terminal

Enclosure	2.2" x 4.9" x 1.1" ABS
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