

## Technical Data Sheet

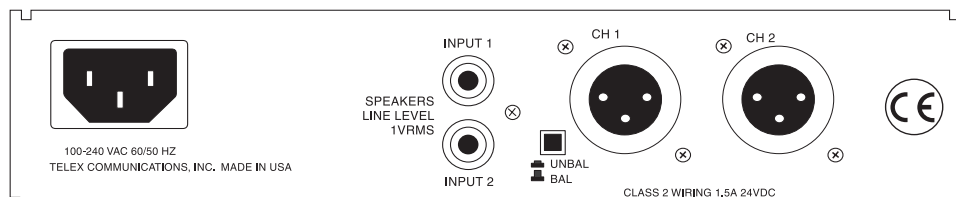
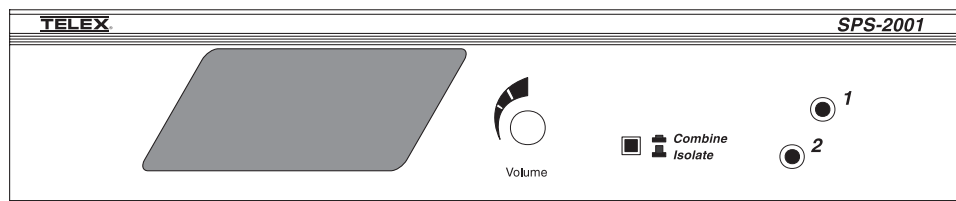
### Model SPS-2001 Speaker Power Supply



The SPS-2001 enhances the power and versatility of the PS-2001L with the addition of a built in speaker amplifier and volume control for monitoring intercom lines. The SPS-2001 has Instantaneous Auto Reset (IAR), the newest technology in performance and safety, which uses a revolutionary new circuitry that dynamically monitors line fault conditions. Then, when the fault is removed, automatically brings individual power supply channels up. Use the SPS-2001 either as a stand alone power supply and monitor or combine it with the US2002 to create a 2-channel master station. The Combine/Isolate switch allows you to create a single intercom power channel with twice the capacity for large party-line applications. The SPS-2001 can operate in either balanced or unbalanced mode, making it completely Clear-Com<sup>®</sup> compatible.

### Features

- *Audio Input and Speaker* - The two audio inputs provided are combined internally and sent as a monaural signal to the internal speaker amplifier. These inputs can be used with the speaker outputs of the master station when the master station uses a panel microphone instead of a headset.
- *Channel Status Indicators* - The indicators are green for normal operation and red to warn of an overload or short circuit. The system resets itself once the overload or short circuit is located.
- *Combine/Isolate Switch* - Combines the audio signal of the two channels to create one powerful channel. Press the switch to combine the channels or leave the switch depressed to isolate the two channels.
- *Intercom Channel Connectors* - When the Isolate position on the Combine/Isolate switch is selected, each channel connector is individually powered and has completely separate intercom audio. When the Combine position is selected, each channel is still powered separately, but the audio signal is combined so that users on both channels can intercommunicate.
- *Balanced and Unbalanced Selector Switch* - Gives the user the choice to configure the unit for use in either an AudioCom<sup>®</sup> (Balanced) or Clear-Com (Unbalanced) system. The default setting is for "balanced".



## Specifications

### General

Input Power Requirements: 100 to 240 VAC, 50/60 Hz

Output Power (each channel): 24±1 VDC, 2 A

Dimensions: 1.75"(44.5 mm) high x 8.25" (209.5 mm) wide x 10.31" (261.9 mm) deep

Weight: approximately 2.5 lb (1.13 kg)

Environmental Requirements:

Storage: -20°C to 80°C, 0% to 95% humidity, non-condensing

Operating: 0°C to 50°C, 0% to 95% humidity, non-condensing

### Intercom Channels

#### General

Connector Type: One XLR-3M audio connector for each channel. Pin-out depends on setting of BAL / UNBAL switch for balanced or unbalanced operation as defined below:

Balanced Mode (set to BAL position)

Line Terminating Impedance: 300 ohms ±10%

Connector Pin-out:

Pin 1 ..... Common (audio and DC return)

Pin 2 ..... Full-duplex, balanced intercom audio and +24 VDC output

Pin 3 ..... Full-duplex, balanced intercom audio and +24 VDC output

Unbalanced Mode (set to UNBAL position)

Line Terminating Impedance: 200 ohms ±5%

Connector Pin-out:

Pin 1 ..... Common (audio and DC return)

Pin 2 ..... +24 VDC output

Pin 3 ..... Full-duplex, unbalanced Intercom audio high

Speaker Inputs

Type: RCA Phone Jack

Tip: Speaker + Input

Sleeve: Speaker - Input

Approvals: UL, CUL, CE

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