



PS-2001L

Power Supply

The PS-2001L is a versatile power supply that can be used in a variety of Telex Audiocom intercom system applications. It directly accept any AC input power from 100 to 240 VAC, 50/60 Hz and can be configured to power two separate intercom channels or one large intercom channel with twice the intercom station capacity. Additionally, the unit can be configured for compatibility with Clear-Com Intercom Systems. The unit may be rack mounted or used on a desktop. For rack mounting, optional hardware is required. For desktop use, four non-marring rubber feet are supplied.

Features

Combine / Isolate Switch

When in the Combine position, the unit will combine the audio signals of the two channels to create a single audio channel where all users can intercommunicate. When in the Isolate position, the unit will create two groups of completely independent users.

Channel Status Indicators

The indicators are green for normal operation and red when there is an overload or short circuit. The circuitry in the unit will automatically reset when the overload or short circuit is located and fixed.

Universal AC Power Input

The unit accepts any input power in the range of 100-240 VAC, 50/60 Hz.

Instantaneous Auto-Reset

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.

Intercom Channel Connectors

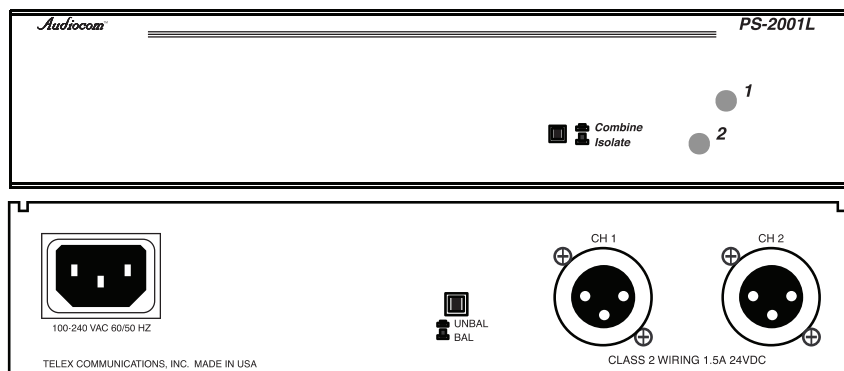
When the Combine / Isolate switch is set to the Isolate position, each channel connector is powered separately and has completely separate intercom audio. When the Combine / Isolate switch is set to the Combine position, each channel is still powered separately, but the audio signals are combined so that all users on both channels can intercommunicate.

BAL / UNBAL Selector Switch

This selector switch allows the user to configure the unit for use in either an Telex Audiocom (BALANCED) or Clear-Com (UNBALANCED) system. Compatibility includes channel connector pin-outs, channel power requirements, and call signaling requirements. The default setting for this switch is in the Telex Audiocom (BAL) position.

Clear-Com Compatible

Line Drawing



PS-2001L Specifications

General

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

Output Power (each channel): 21±1 VDC, 1 A

Dimensions 1.75"(44.5 mm) high, 8.25" (209.5 mm) wide, 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 a 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: 150 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 (SPS-2001 Only)

Type: RCA Phone Jack

Tip: Speaker + Input

Sleeve: Speaker - Input

Approvals

UL, CUL, CE

Contact Information

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Ordering Information

PS-2001L

Power Supply

Catalog Number: 90007702000

This specifications information is preliminary and is subject to change without notification.

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