

PS 4001

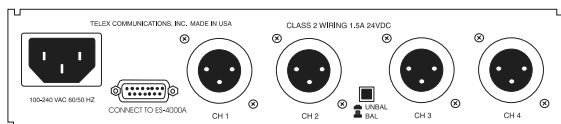
P O W E R S U P P L Y



The PS-4001 power supply supplies four isolated channels of intercom system phantom power to down line components. The PS-4001 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 PS-4001 as a stand alone power supply to supply 4 independent partyline channels. Or, use it in conjunction with an ES-4000A expansion station to create additional intercom channels when using a US2002/PS2001L or US2002/SPS2001 Master Station configuration. The PS-4001 can operate in either balanced or unbalanced mode, making it completely Clear-Com® compatible.

Features:

- **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.
- **Connector to ES-4000A** - This connector carries power to the ES-4000A expansion station, and carries the four audio channels of the ES-4000A. When a Telex ES-4000A is connected to the PS-4001, each of the four channels of audio is "broken out" to the respective channel connector.
- **Intercom Channel Connectors** - These connectors carry power to the intercom system and provide termination for the audio signal of each intercom channel.
- **Balanced and Unbalanced Selector Switch** - Gives the user the choice to configure the unit for use in either an Audiocom® (Balanced) or Clear-Com (Unbalanced) system. The default setting is for "balanced".



PS4001 Specifications

General

Input Power Requirement:	100 to 240 VAC, 50/60 Hz
Output Power (each channel):	24 \pm 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:
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Balanced Mode (set to BAL position)

Line Terminating Impedance:	300 ohms \pm 10%
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Connector Pin-out:	<ul style="list-style-type: none"> • 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
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Unbalanced Mode (set to UNBAL position)

Line Terminating Impedance:	150 ohms \pm 5%
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Connector Pin-out:	<ul style="list-style-type: none"> • Pin 1 Common (audio and DC return) • Pin 2 \pm30 \pm1 VDC output • Pin 3 Full-duplex, unbalanced Intercom audio high
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Approvals: UL, CUL, CE

Ordering Information

Model No.	Description	Order by Cat.
PS-4001	4 channel 2.0 amp switching power supply with instantaneous auto reset (IAR), (2) XLR-3M channel connectors.	90007710000

Distributed by:

Warranty

Products are warranted by Telex Communications, Inc. to be free from defects in materials and workmanship for a period of one year from the date of sale.

All specifications are subject to change without notice.

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