

## Technical Data Sheet

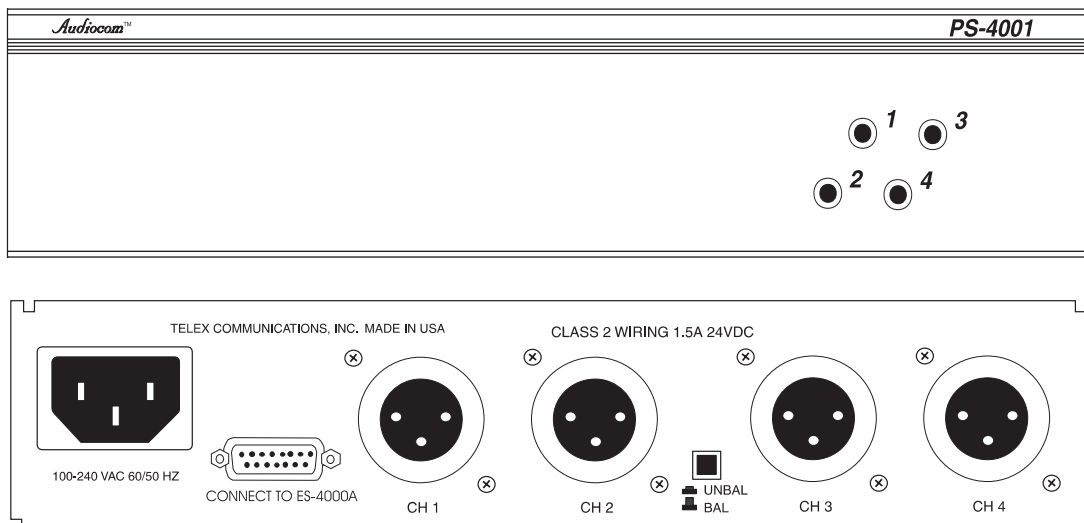
### Model PS-4001 Power Supply



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<sup>®</sup> 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 terminatio 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<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  $\pm$ 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:

Balanced Mode (set to BAL position)

Line Terminating Impedance: 300 ohms  $\pm$ 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  $\pm$ 5%

Connector Pin-out:

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

Pin 2 ..... +30  $\pm$ 1 VDC output

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

Approvals

UL, CUL, CE

## Ordering Information

<b>PS-4001</b>	4 Channel, 2.0 amp switching power supply with instantaneous auto reset (IAR), (2) XLR-3M channel connectors	Catalog No. 90007710000
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### For Sales / Technical Support and System Design:

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#### WARRANTY INFORMATION

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.

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