



## PS-4001 Power Supply

The PS-4001 power supply supplies four isolated channels of intercom system phantom power to down line components. 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 US-2002/PS-2001L or US-2002/SPS-2001 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<sup>®</sup> 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

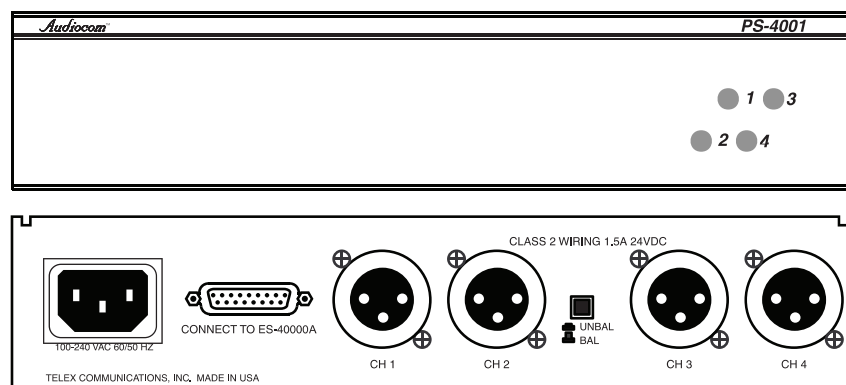
Gives the user the choice to configure the unit for use in either an Audiocom<sup>®</sup> (Balanced) or Clear-Com<sup>™</sup> (Unbalanced) system. The default setting is for "balanced".

#### 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.

#### Clear-Com<sup>™</sup> Compatible

### Line Drawings



# PS-4001 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, 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 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

## Contact Information

Telex® Communications, Inc.  
12000 Portland Avenue South  
Burnsville, MN 55337  
Telephone: (800) 392-3497  
Fax: (800) 323-0498

Form Number: 38110-213  
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## Ordering Information

**PS-4001**  
Power Supply  
Catalog Number: 90007710000

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