

PS-4001 Power Supply

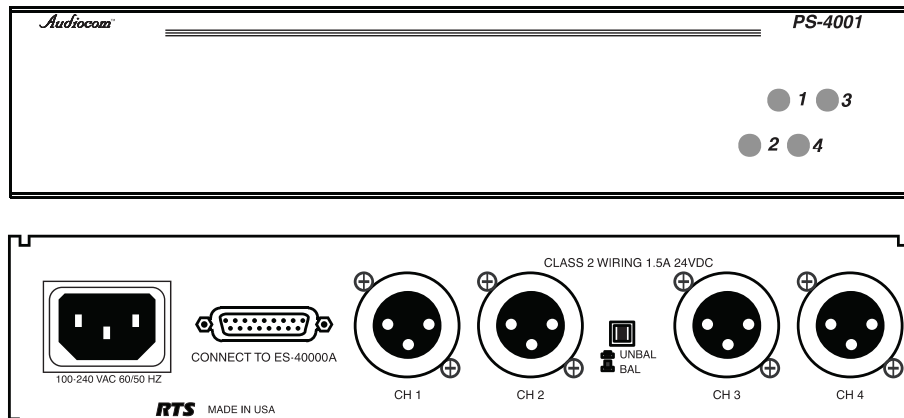


The PS-4001 power supply supplies four (4) isolated channels of intercom system phantom power to down line components. Use the PS-4001 as a stand alone power supply to supply four (4) independent partyline channels. Or, use it in conjunction with an ES-4000A expansion station to create additional intercom 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 compatible.

Features

- 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. Channel Status indicators are used to show status; 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 corrected.
- Connector to ES-4000A. This connector carries power to the ES-4000A expansion station, and carries the four (4) audio channels of the ES-4000A. When a ES-4000A is connected to the PS-4001, each of the four (4) channels of audio is "broken out" to the respective channel connector.
- Intercom Channel 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 RTS Audiocom (Balanced) or Clear-Com (Unbalanced) system. The default setting is for "balanced".

Line Drawings



Specifications

General

Input Power Requirements: 100 to 240VAC, 50/60Hz
Output Power (Each Channel):..... 24 ±1VDC, 1.0 A per channel (not to exceed 3.0 A total)
Dimensions:..... 1.75 in (44.5 mm) high,
8.25 in (209.5 mm) wide,
10.31 in (261.9 mm) deep
Weight: approximately 2.5lb (1.13kg)
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: 300Ω ±10%
Connector Pin-out:
Pin 1 Common (audio and DC return)
Pin 2 Full-duplex, balanced intercom audio and +24VDC output
Pin 3 Full-duplex, balanced intercom audio and +24VDC output

Unbalanced Mode (set to UNBAL position)

Line Terminating Impedance: 200Ω ±5%
Connector Pin-out:
Pin 1 Common (audio and DC return)
Pin 2 +30 ±1VDC output
Pin 3 Full-duplex, unbalanced Intercom audio high

Approvals

UL, CUL, CE

Order Information

PS-4001 • Power Supply

For ordering information, contact your regional sales representative at:
<http://rtsintercoms.com/us/intercom/contact>

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