



Production Intercom

**PS-1**

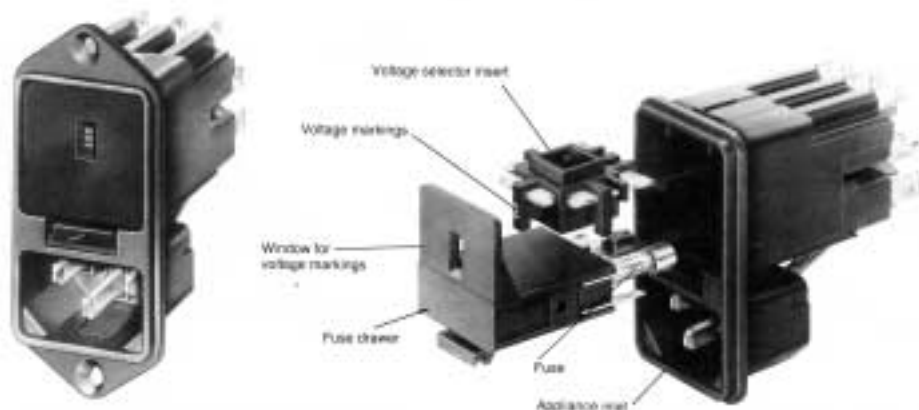
**Intercom**

**Power Supply**

## Operating Instructions

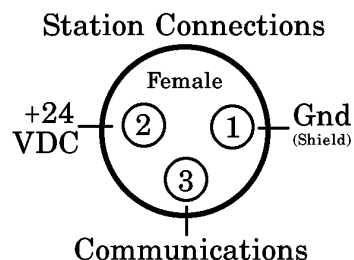
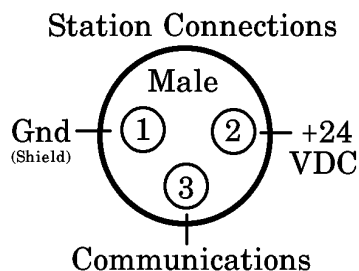
### Before you start:

Check the selector block in the IEC power inlet located at the right side of the rear panel. It must be set for the line voltage to which you are going to connect the PS-1. Four voltage settings are available: 100V, 120V, 220V and 240V. The correct fuse ratings are also important. For 100V and 120V insert 5x20mm 1.25A/250V fuses. For 220V or 240V settings use 0.80A/250V fuses. Two fuses are required, even in the 100V/120V positions.



### Connecting stations to the intercom system:

Stations are connected to the PS-1 using 2-conductor shielded microphone cable fitted with 3-pin XLR-type connectors. It is critical to the performance of the system that pin 1 (the shield) not touch the metal shell of the connector, nor in any other way be grounded. Reversing pin 2 and 3 will likewise make the system inoperable and may damage the power supply or the units connected to it. Follow the diagrams shown below.



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## **Capacity:**

The PS-1 can provide a constant 2 Amperes of power at 24VDC. This is enough to drive 66 belt packs with all their call lights constantly lit. Devices like loudspeaker stations and our Blazon/2 strobe light will reduce the capacity by larger amounts than a belt pack. Consider an LS-2 or LS-3 loudspeaker station the equivalent of four belt packs each, and the Blazon/2, five. These are very conservative recommendations.

## **Overload protection:**

If a short occurs, or if you try to draw more than 2A from the PS-1, it will automatically shut down. To restart the unit, switch it off and back on again.

## **Care:**

Thousands of PS-1 and 2 versions of this power supply have been in the field for as much as 15 years, and rarely does one come back for repair. It is built to withstand the challenging use of being 'on the road' and needs only to be kept dry and connected to a suitable power source. There are no internal user serviceable parts. Please do not open the case. If you require service, contact us directly. We will arrange to have your PS-1 out of service for the minimum time.