

# Model PS0108 External Power Supply

## Operating Instructions

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### Introduction

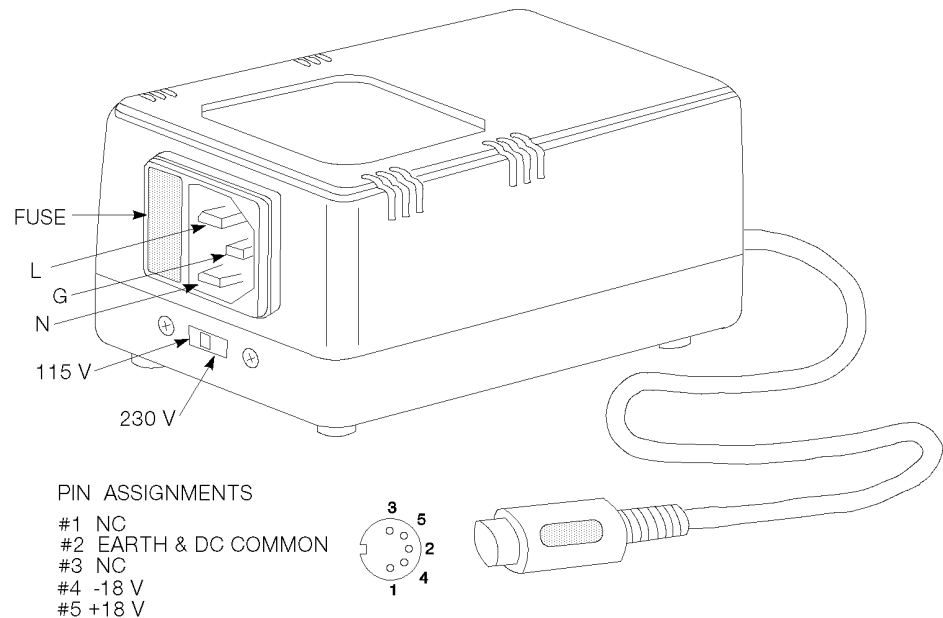


Figure 1, Model PS0108 Power Supply

The **SIGNAL RECOVERY** model PS0108 (figure 1) is a  $\pm 18$  V DC @ 500 mA unregulated linear power supply for use with **SIGNAL RECOVERY** models 5105, 5106, 5113, 5182, 5183, 5184, 5185, 5186, 5187, 5188A and 5188B lock-in amplifiers and preamplifiers.

### Operating Instructions

- 1) Set the **LINE** voltage selector slide switch on the end of the PS0108 to the voltage of your local line supply.
- 2) Connect the output lead with DIN plug to the instrument to be powered.
- 3) Connect the supplied line input power cord to the PS0108 and then plug it into the line power supply.
- 4) Switch on the line power.
- 5) Switch on the instrument to be powered.

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## Precautions

Always switch off and disconnect the PS0108 from the line input before disconnecting the output power lead. Failure to do this may result in damage to the PS0108 should DIN plug pins become shorted.

Should it be necessary to replace a blown fuse in the PS0108, first switch off and disconnect the line input. Always replace with a fuse of the correct rating, as follows:-

Fuse Rating	
115 V operation	1 A
230 V operation	500 mA
Fuse Type	5 mm × 20 mm, 250 V, Slow Blow

***Warning: This equipment must be connected to a grounded power outlet.***

## Mechanical

### Dimensions

2¼" × 3" × 5" (58 mm × 75 mm × 130 mm)

### Weight

2 lbs (0.9 kg)

## Warranty

**SIGNAL RECOVERY**, a part of AMETEK Advanced Measurement Technology, Inc, warrants each instrument of its own manufacture to be free of defects in material and workmanship for a period of ONE year from the date of delivery to the original purchaser. Obligations under this Warranty shall be limited to replacing, repairing or giving credit for the purchase, at our option, of any instruments returned, shipment prepaid, to our Service Department for that purpose, provided prior authorization for such return has been given by an authorized representative of AMETEK Advanced Measurement Technology, Inc.

This Warranty shall not apply to any instrument, which our inspection shall disclose to our satisfaction, to have become defective or unusable due to abuse, mishandling, misuse, accident, alteration, negligence, improper installation, or other causes beyond our control. This Warranty shall not apply to any instrument or component not manufactured by AMETEK Advanced Measurement Technology, Inc. When products manufactured by others are included AMETEK Advanced Measurement Technology, Inc equipment, the original manufacturers Warranty is extended to AMETEK Advanced Measurement Technology, Inc customers. AMETEK Advanced Measurement Technology, Inc reserves the right to make changes in design at any time without incurring any obligation to install same on units previously purchased.

THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. THIS WARRANTY IS IN LIEU OF, AND EXCLUDES ANY AND ALL OTHER WARRANTIES OR REPRESENTATIONS, EXPRESSED, IMPLIED OR STATUTORY, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AS WELL AS ANY AND ALL OTHER OBLIGATIONS OR LIABILITIES OF AMETEK ADVANCED MEASUREMENT TECHNOLOGY, INC, INCLUDING, BUT NOT LIMITED TO, SPECIAL OR CONSEQUENTIAL DAMAGES. NO PERSON, FIRM OR CORPORATION IS AUTHORIZED TO ASSUME FOR AMETEK ADVANCED MEASUREMENT TECHNOLOGY, INC ANY ADDITIONAL OBLIGATION OR LIABILITY NOT EXPRESSLY PROVIDED FOR HEREIN EXCEPT IN WRITING DULY EXECUTED BY AN OFFICER OF AMETEK ADVANCED MEASUREMENT TECHNOLOGY, INC.

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## SHOULD YOUR EQUIPMENT REQUIRE SERVICE

- A. Contact your local **SIGNAL RECOVERY** office, agent, representative or distributor to discuss the problem. In many cases it may be possible to expedite servicing by localizing the problem to a particular unit or cable
- B. We will need the following information, a copy of which should also be attached to any equipment which is returned for service.
1. Model number and serial number of instrument
  2. Your name (instrument user)
  3. Your address
  4. Address to which the instrument should be returned
  5. Your telephone number and extension
  6. Symptoms (in detail, including control settings)
  7. Your purchase order number for repair charges (does not apply to repairs in warranty)
  8. Shipping instructions (if you wish to authorize shipment by any method other than normal surface transportation)
- C. If you experience any difficulties in obtaining service please contact:

**SIGNAL RECOVERY** Service

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Phone: +1 865 482 4411  
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222720-A-MNL-F

## **SIGNAL RECOVERY**

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