

Installation Manual

ENFORCER®



Model no.	Output fuse type	Output fuse rating	No. of Output	Main fuse
PD-4PSQ	PTC*	1.1A	4	5A
PD-4BSQ	Blade	1.0A	4	
PD-9PSQ	PTC*	1.1A	9	
PD-9BSQ	Blade	1.0A	9	
PD-9PHQ	PTC*	3.0A	9	10A
PD-9BHQ	Blade	3.0A	9	

*Positive Temperature Coefficient – auto reset current limiting

Power Distribution Boards

Specifications:

- Each output individually fused
- Individual red status indicator LED for each output
- Main power switch to turn ON/OFF power to outputs
- Each board equipped with main fuse
- Spare fuses included on board
- Dimensions - 5³/₁₆" x 3¹/₈" x 1" (132 x 79 x 25.5 mm)



PD-9PSQ Shown

Also available:

AC Power Supplies for CCTV Cameras and Accessories

EVP-1SA4P4UL (4 outputs @ 24VAC, 4 Amps)

EVP-1SA4P9UL (9 outputs @ 24VAC, 4 Amps)

EVP-1SA8P16UL (16 outputs @ 24VAC, 8 Amps)

DC Power Supplies for CCTV Cameras and Accessories

EVP-1SD2P4UL (4 Outputs @ 12VDC, 2 Amps)

EVP-1SD4P9UL (9 Outputs @ 12VDC, 4 Amps)

EVP-1SD6P16UL (16 Outputs @ 12VDC, 6 Amps)

What it is:

The power distribution board centralizes the power sources for multiple devices, such as CCTV cameras and/or electromagnetic locks, providing separate fusing on each output, so that problems with one set of devices may be isolated from the other devices.

Installation:

1. Mount the PC board in the desired location or enclosure and must be easily accessible for future servicing.

NOTE: DO NOT USE METAL SPACERS TO MOUNT THE PC BOARD.

2. Connect the output wires of the power supply (transformer or battery) to the PC board's terminals marked "INPUT" (see Fig.1).

NOTE: If using DC voltage, correct polarity must be observed.

3. Check the main switch, it should be in the OFF position. Connect the power input wires for the devices to be powered to the PC board (see fig. 1). The terminals marked "P" are for positive wires, and "N" are for negative wires. Each output consists of one "P" terminal and one "N" terminal. Run wire pairs from the PC board through or along the wall to where the devices are located.

NOTE: For best results and to minimize voltage drop, these wires should be a minimum of 18-gauge in thickness.

4. Turn the main switch ON. The green LED on the PC board will light to show that power is present. The four or nine red LEDs on the PC board will light to show the status of each terminal pair, with ON meaning that the terminal pair is working correctly.

5. Test the voltage output at the end of each wire pair to see if there is significant voltage drop. The voltage output reading of all wire pairs should be approximately the same.

Voltage drop can occur for one of three reasons:

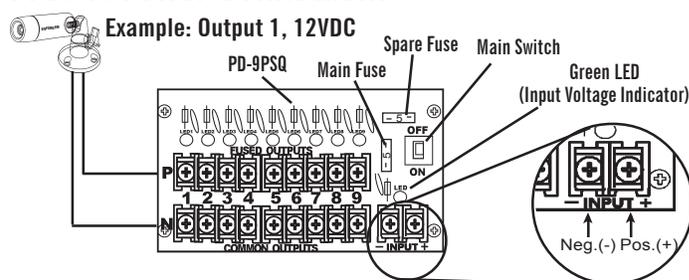
- a. The wire is too thin. That is why 18-gauge wire is recommended.

- b. The wire has run a long distance. If one or more of the wire pairs is showing significant voltage drop compared to the others, either shorten the length of the wire pairs with the voltage drop, or lengthen the other wire pairs so that there is a similar voltage output reading on all wire pairs.
 - c. A large number of devices connected to the PC board is causing excessive power drain across all the outputs.
6. Turn the main switch OFF and connect wire pairs to their respective devices.

NOTE: Using a voltage output in excess of the specified voltage level of a device may cause damage.

IMPORTANT: Total current drain for any one terminal must not exceed the output fuse rating or the output PTC fuse will blow. Total current for all terminals must not exceed the PC board's main fuse rating or the power supply total current capacity. The main fuse should be chosen to reflect the limits of the power source, such as transformer or battery. The main fuse amperage rating is typically set at about 1 Amp above the continuous current limit, so that transient surges will not cause it to blow unnecessarily. Check the specifications for your power supply to ensure the proper rating for the main fuse.

FIG. 1: Power Connections



The SECO-LARM policy is one of continual development and improvement. For that reason, SECO-LARM reserves the right to change specifications without notice. SECO-LARM is not responsible for misprints.

WARRANTY: This SECO-LARM product is warranted against defects in material and workmanship while used in normal service for a period of one (1) year from the date of sale to the original consumer customer. SECO-LARM's obligation is limited to the repair or replacement of any defective part if the unit is returned, transportation prepaid, to SECO-LARM.

This Warranty is void if damage is caused by or attributed to acts of God, physical or electrical misuse or abuse, neglect, repair, or alteration, improper or abnormal usage, or faulty installation, or if for any other reason SECO-LARM determines that such equipment is not operating properly as a result of causes other than defects in material and workmanship.

The sole obligation of SECO-LARM, and the purchaser's exclusive remedy, shall be limited to replacement or repair only, at SECO-LARM's option. In no event shall SECO-LARM be liable for any special, collateral, incidental, or consequential personal or property damages of any kind to the purchaser or anyone else.

SECO-LARM U.S.A., Inc., 16842 Millikan Avenue, Irvine, CA 92606

Tel: 800-662-0800 / 949-261-2999 Fax: 949-261-7326

Website: www.seco-larm.com

E-mail: sales@seco-larm.com

MiPD-xxxQZZ_series_1107.pmd

Order Part #764-004-3%

▲PITSW1

Copyright 2011 SECO-LARM U.S.A., Inc. All rights reserved.