



Power-Gard™ access system power supplies

This equipment is designed to be installed and serviced by security and lock industry professionals

Installation & Wiring Instructions:

PG – 1224-3 12/24 VDC 2.5 Amp board power supply

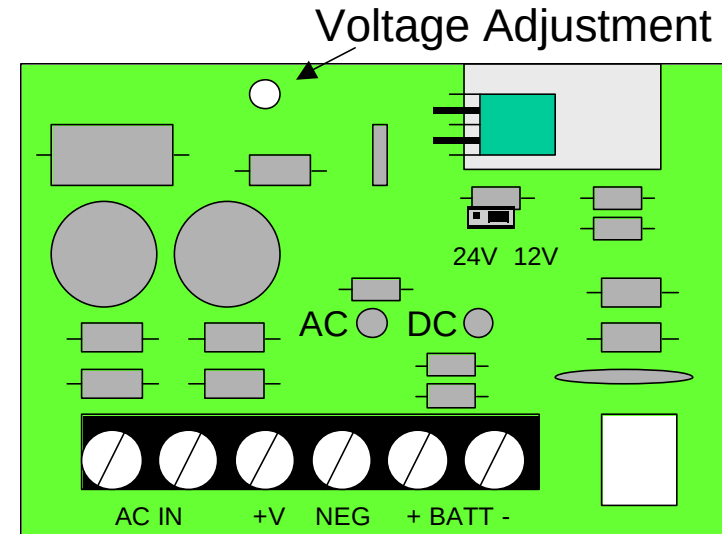
PG – 1224-3C 12/24 VDC 2.5 Amp power supply in cabinet

These Power-Gard™ power supplies have the following characteristics:

- 12 or 24V DC output.
 - For 12V, use a 16.5V or 24V AC, 40VA transformer.
 - For 24V, use a 24V AC, 60VA transformer.
- 2.5 Amps output, including 0.5 Amps for maintaining battery float charge.
- Supervision
- Highly efficient switching design reduces build-up of heat.
- PS-1224-3 installs neatly into IEI Hub Max cabinet using enclosed screws

- 1) Select a dry secure location to mount the power supply. Board version installs neatly into Hub Max access control cabinet.
- 2) Determine whether your application is 12 or 24V and place the S1 jumper in the desired position.
- 3) Connect the NEG and +12V terminals on the power supply to the NEG and +12V terminals on the device(s) to be powered.
- 4) Connect the battery wires to the terminals on the power supply marked +BATT and BATT-. **Be sure to observe the correct polarity.**
- 5) Connect the transformer using 18 AWG wire to the terminals marked AC IN. Polarity is not important.
- 6) Plug the battery onto the battery wires. Be careful to observe polarity.
- 7) The green LED should light after you have completed steps 5 and 6. Power is now available at the terminals.
- 8) Output voltage should read between 13.5 and 13.9V for 12V operation. For 24V operation the voltage should be between 25 and 27.9 Volts. If you need to change the voltage from its factory set value, adjust the potentiometer at the top of the board. **Warning: Damage may result if you set the voltage to exceed 14V in a 12V application or 27.5 Volts in a 24 Volt application.** Safe levels will depend on the specifications of the device being powered.

Note: Current ratings stated are maximum levels. For prolonged trouble free life, it is recommended that continuous operation should be about 75% of the



maximum

WARNING: THE HEAT SINK WILL BECOME HOT. DO NOT TOUCH!

Warranty Policy

International Electronics Inc. (IEI) warrants its products to be free from defects in material and workmanship when they have been installed in accordance with the manufacturer's instructions and have not been modified or tampered with. IEI does not assume any responsibility for damage or injury to person or property due to improper care, storage, handling, abuse, misuse, normal wear and tear, or an act of God.

IEI's sole responsibility is limited to the repair (at IEI's option) or the replacement of the defective product or part when sent to IEI's facility (freight and insurance charges prepaid) **after obtaining IEI's Return Material Authorization.** IEI will not be liable to the purchaser or any one else for incidental or consequential damages arising from any defect in, or malfunction of, its products.

Except as stated above, IEI makes no warranties, either expressed or implied, as to any matter whatsoever, including, and without limitation to, the condition of its products, their merchantability, or fitness for any particular purpose. Warranty period: IEI **Power-Gard** power supplies are backed by a limited lifetime warranty. If a product should fail under normal use and is returned to IEI, it will be repaired or replaced with a new or refurbished product of the same type, at the discretion of IEI.

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