

PS-2

Indicative 1.2A Power Supply & Charger

Installation guide



PS-2 is an AC-to-DC or DC-to-DC, 1.2A power supply. It monitors the AC and backup battery inputs, and can report on Low Battery and AC faults.

The PS-2 interfaces the BUS in PIMA Intruder Alarm Systems - Hunter-Pro Series and Captain 8 - via expansion cards. For other Systems, connect the AC and low battery outputs to any N.C. input.

The PS-2 can be supplied as a standalone unit in a metal box, with transformer and backup battery.

Features

- Interfaces the BUS via expansion cards
- Continuously monitors the backup battery's¹ capacity and regulates its charging
- Protected against circuit short
- Protected against full battery discharge

Technical Specs

- Voltage: 13.8V DC output;
- Current: 1.2 AH;
- Fuses: DC: 3.15A; Battery: 5A; Outputs: 1.1A;
- Battery capacity range: 4.5 - 7.2AH;
- The outputs are switched-ground normally, and disconnect (-) during AC/DC fault.

Quick Reference Guide

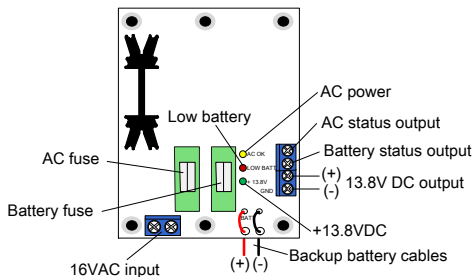


Figure 1. The PS-2 PCB

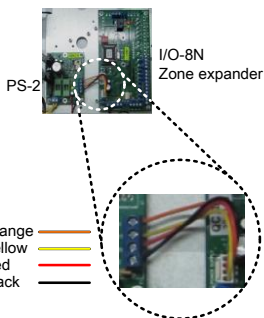


Figure 2. Connecting the PS-2 to a PIMA zone expansion card

The LEDs

| Color | LED | ON | OFF |
|--------|----------|-----------------------------|------------|
| Yellow | AC OK | AC input OK | AC fault |
| Red | LOW BATT | Low Battery or Battery Loss | Battery OK |
| Green | +13.8V | Battery's 13.8VDC OK | DC fault |

If the "+13.8V" LED is ON and the "AC OK" LED is OFF, check for short circuit.

| Terminal | Wire |
|----------|--------|
| AC OK | Orange |
| LOW BATT | Yellow |
| +13.8V | Red |
| GND | Black |

¹ Not supplied

Standalone PS-2 installed with expansion card

The PS-2 is also supplied as a kit, with a zone expander.

This standalone product is supplied in a metal box, with a transformer. The box can contain a backup battery (not supplied) and an optional tamper switch.

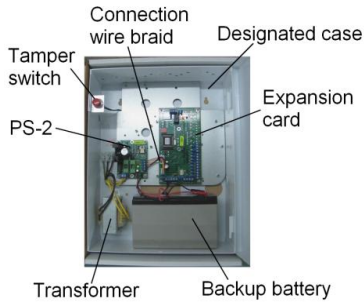


Figure 3. Standalone PS-2 and I/O expander

Limited warranty

PIMA Electronic Systems Ltd. shall have no liability for any death, personal and/or bodily injury and/or damage to property or other loss whether direct, indirect, incidental, consequential or otherwise, based on a claim that the Product failed to function.

Please read this manual in its entirety before attempting to program or operate your system. Should you misunderstand any part of this guide, please contact the supplier or installer of this system.

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