



SMP5 Power Supply/Charger

Installation Guide

Overview:

Altronix SMP5 power supply/charger converts low voltage AC input into 6VDC, 12VDC or 24VDC @ 4A of continuous supply current (see specifications). This general purpose power supply has a wide range of applications for access control, security and CCTV system accessories that require additional power.

Specifications:

Input:

- 16VAC to 28VAC (*Voltage Output/Transformer Selection Table, pg. 2*).

Output:

- 6VDC, 12VDC or 24VDC selectable output. Factory set at 12VDC.
- 4A supply current, specified at 25°C ambient.
- Filtered and electronically regulated outputs.
- Short circuit and thermal overload protection.

Visual Indicators:

- AC input and DC output LED indicators.

Battery Backup:

- Built-in charger for sealed lead acid or gel type batteries.
- Maximum charge current 0.3A.
- Zero voltage drop when switching over to battery backup.

Features:

- Extremely compact design.
- Includes battery leads.
- Snap Track compatible (order Altronix model number ST3).

Board Dimensions (W x L x H approx.):

3" x 3.5" x 2" (76.2mm x 88.9mm x 50.8mm)

Installation Instructions:

SMP5 should be installed in accordance with The National Electrical Code and all applicable Local Regulations.

1. Mount SMP5 board in the desired location/enclosure (mounting hardware included).
2. Set DC output voltage with switches (*refer to Voltage Output/Transformer Selection Table, pg. 2*).
3. Connect a proper transformer to the terminals marked [AC] (*Voltage Output/Transformer Selection Table, pg. 2*).
Use 18 AWG or larger for all power connections (Battery, DC output).
4. Measure output voltage before connecting devices. This helps avoiding potential damage.

CAUTION: Do not touch exposed metal parts.

Shut branch circuit power before installing or servicing equipment.

There are no user serviceable parts inside. Refer installation and servicing to qualified service personnel.

5. Connect devices to be powered to the terminals marked [+ DC -].
6. When the use of stand-by batteries is desired, they must be lead acid or gel type.
Connect battery to the terminals marked [+ BAT -] (battery leads included).
Use two (2) 12VDC batteries connected in series for 24VDC operation.

Note: When batteries are not used, a loss of AC will result in the loss of output voltage.

