



SMP7 - High Current Power Supply/Charger

Overview:

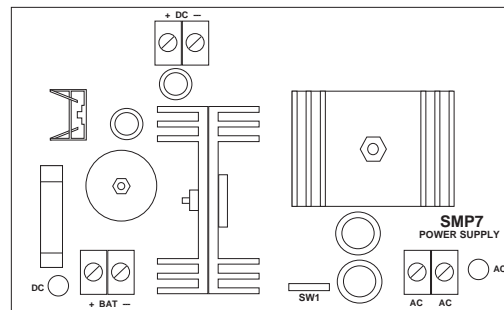
The SMP7 is a high current power supply that will convert a low voltage AC input, into 12VDC or 24VDC non-power limited output, with a 6 amps continuous supply current. This general purpose power supply has a wide range of applications for access control, security and CCTV system accessories that require additional power.

Specifications:

- Switch selectable 12VDC or 24VDC non-power limited output.
- 6 amps continuous supply current at 12-24VDC*.
- Filtered and electronically regulated output.
- Maximum charge current 600mA.
- Built-in charger for sealed lead acid or gel type batteries.
- Automatic switch over to stand-by battery when AC fails.
- AC input and DC output LED indicators.
- Thermal overload and short circuit protection.
- Efficient switch mode design.
- Includes battery leads.

Board Dimensions: 7”L x 4.25”W x 1.75H

* Specified at 25° C ambient.



Voltage Output/Transformer Selection Table:

Output VDC	Switch Position	Max. Load DC	Transformer
12VDC	SW 1 Closed	6 amps	28VAC / 175VA (Altronix model # T28140)
24VDC	SW1 Open	6 amps	28VAC / 175VA (Altronix model # T28140)

Installation Instructions:

The SMP7 should be installed in accordance with The National Electrical Code and all applicable Local Regulations.

1. Mount the SMP7 in desired location / enclosure.
2. Set the SMP7 to the desired DC output voltage by setting the switches to the appropriate positions (see voltage output/transformer selection table).
3. Connect proper transformer to terminals marked [AC] (see voltage output/transformer selection table). Use 18 AWG or larger for all power connections (Battery, DC output).

Keep power limited wiring separate from non-power limited wiring (115VAC / 60Hz Input, Battery Wires). Minimum .25” spacing must be provided.

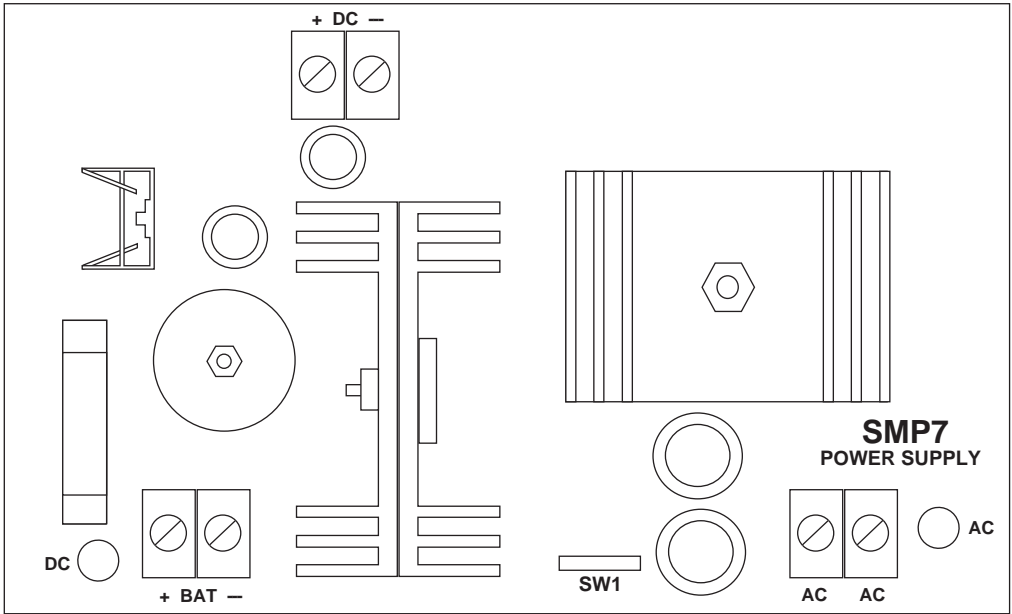
4. Connect devices to be powered to terminals marked [+ DC -].
Note: It is good operating practice to measure and verify output voltage before connecting devices to ensure proper operation of equipment.
5. When the use of stand-by batteries are desired, they must be lead acid or gel type. Connect battery to terminals [+ BAT -] as marked on the unit (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.

LED Diagnostics:

Red (DC)	Green (AC)	Power Supply Status
ON	ON	Normal operating condition
ON	OFF	Loss of AC, Stand-by battery supplying power
OFF	ON	No DC output
OFF	OFF	Loss of AC. Discharged or no stand-by battery. No DC output

Terminal Identification:

Terminal Legend	Function/Description
AC/ AC	Low voltage AC input (28VAC / 175VA). Altronix model # T28140
+ DC -	12-24VDC @ 6 amps continuous output.
+ BAT -	Stand-by battery connections. Maximum charge rate 600mA.



Altronix is not responsible for any typographical errors. Product specifications are subject to change without notice.

