



SMP16PMC12X High Current Power Supply/Charger

Overview:

The SMP16PMC12X is a power supply/charger that will convert a 115VAC / 60Hz input, into a 12VDC output, with 16 amp of continuous supply current (see specifications).

Specifications:

- Input 115VAC / 60Hz, 1.45 amp.
- Maximum charge current .7 amp.
- 16 amp continuous supply current at 12VDC.
- Filtered and electronically regulated outputs.
- Built-in charger for sealed lead acid or gel type batteries.
- Automatic switch over to stand-by battery when AC fails (zero voltage drop).
- AC input and DC output LED indicators.
- AC fail supervision (form "C" contact, 1 amp 28VDC or 115VAC).
- Low battery supervision (form "C" contact).
- Short circuit and thermal overload protection.
- Unit is complete with power supply, enclosure and cam lock.
- Includes battery leads.
- Power on-off switch.

Enclosure Dimensions: 15.5”H x 12”W x 4.5”D

Specified at 25° C ambient.

Installation Instructions:

The SMP16PMC12X should be installed in accordance with The National Electrical Code and all applicable Local Regulations.

1. Mount the SMP16PMC12X in desired location.
2. Connect AC power to terminals marked [L & N], connect ground to terminal marked [G].
Keep power limited wiring separate from non-power limited wiring (115VAC / 60Hz Input, Battery Wires). Minimum .25” spacing must be provided.
3. Measure output voltage before connecting devices. This helps avoid potential damage.
4. Connect devices to be powered to terminals marked [+ DC -].
***Note:** Power switch is used to turn off DC output voltage (However if battery is connected, its voltage will appear on the output). It disconnects the L (HOT) terminal from the rest of the board. When servicing the unit, AC mains should be removed.
5. When using stand-by batteries, they must be lead acid or gel type.
Connect battery to terminals marked [- BAT +] (battery leads included).
Note: When batteries are not used a loss of AC will result in the loss of output voltage.

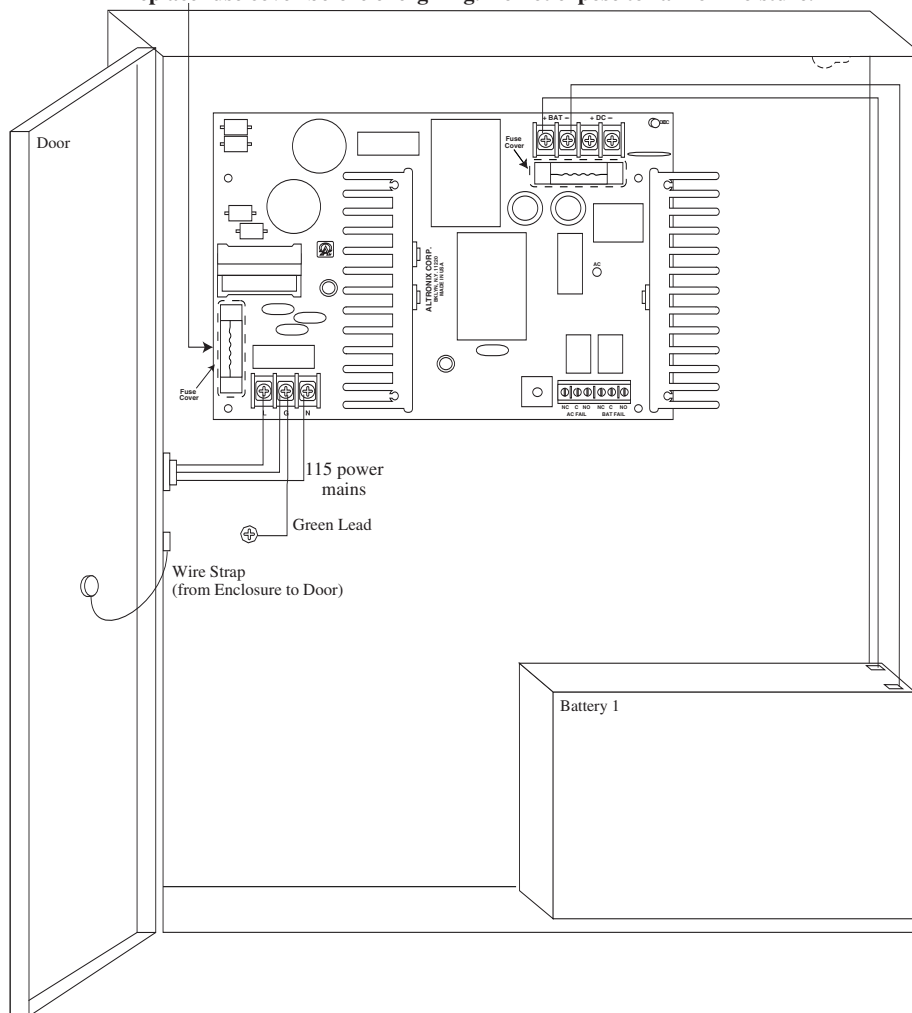
LED Diagnostics:

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
L, G, N	Connect 115VAC to these terminals: L to Hot, N to Neutral, G to ground (if used).
+ DC -	12VDC @ 16 amp continuous supply current.
AC FAIL NC, C, NO	Used to indicate loss of AC power, (e.g. connect to audible device or alarm panel). AC report delay is approx. 1 min. Relay normally energized when AC power is present. Contact rating 1 amp @ 120VAC / 28VDC.
Low Battery NC, C, NO	Used to indicate low battery condition, (e.g. connect to audible device or alarm panel). Contact rating 1 amp @ 120VAC / 28VDC. Low battery threshold: Output threshold set @ approximately 10.5VDC.
- BAT +	Stand-by battery connections. Maximum charge rate .7 amp.

CAUTION: De-energize unit prior to servicing. For continued protection against risk of electric shock and fire hazard replace fuses with the same type and rating: Input fuse 10A, 250V, Battery fuse 25A, 32V. Replace fuse cover before energizing. Do not expose to rain or moisture.



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

