



SMP7CTX High Current Power Supply / Charger

Overview:

The Altronix SMP7-CTX High Current Power Supply/Charger is specifically designed to provide the power needed by the most demanding security and access control applications. It will provide 6 amps continuous output power at 12VDC and 24VDC.

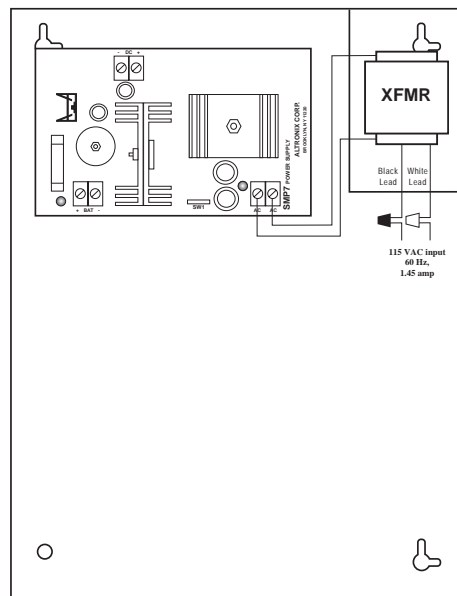
Specifications:

- Switch selectable 12VDC or 24VDC output.
- Input 115 VAC 60Hz, 1.5 amp.
- 6 amps continuous supply current.
- Filtered and electronically regulated output.
- Built-in charger for sealed lead acid or gel type batteries.
- Automatic switchover to stand-by battery when AC Fails.
- Thermal and short circuit protection with auto reset.
- Fused battery protection (circuit breakers available).
- AC input and DC output LED indicators.
- Includes battery leads.

Enclosure dimensions: 15.5" L x 12" W x 4.5" H

Power Supply Voltage Output Specifications:

Output VDC	Switch Setting	Maximum Load DC
12VDC	SW1 Closed	6 amps
24VDC	SW1 Open	6 amps



Installation Instructions:

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

1. Mount the SMP7-CTX in desired location.
2. Set the SMP7-CTX to the desired DC output voltage by setting the switches to the appropriate positions (see power supply voltage output selection chart).
3. Connect AC power to the black and white flying leads of the transformer. Secure green wire lead to earth ground (*Fig. 1, pg. 2*). Use 18 AWG or larger for all power connections (Battery, DC output).
4. Connect devices to be powered to terminals marked [- DC +] (*Fig. 1, pg. 2*).
Note: It is good operating practice to measure and verify output voltage before connecting devices to ensure proper operation of equipment.
5. Connect battery to terminals [+ BAT -] (*Fig. 1, pg. 2*) 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 loss of output voltage.

Maintenance:

Unit should be tested at least once a year for the proper operation as follows:

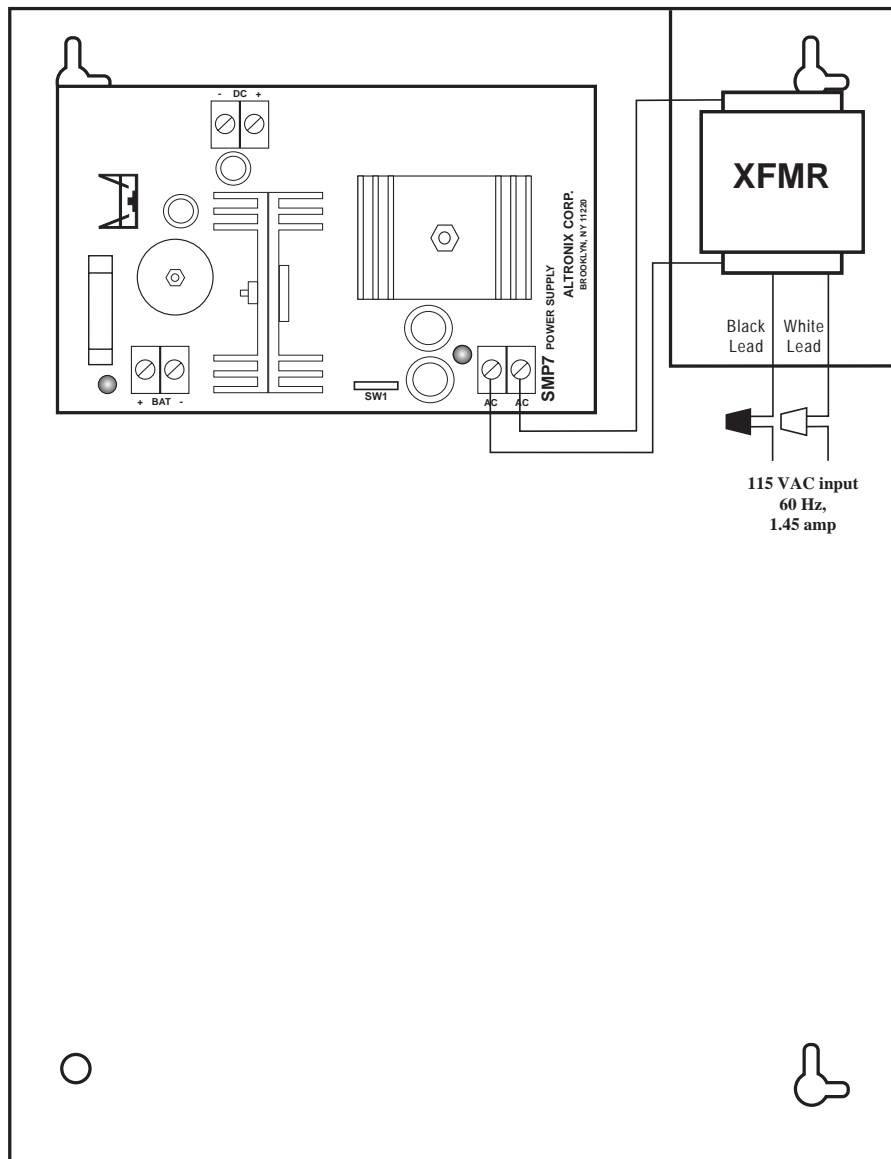
Output Voltage Test: Under normal load conditions, the DC output voltage should be checked for proper voltage level (see power supply voltage output specifications chart).

Battery Test: Under normal load conditions check that the battery is fully charged, check specified voltage both at battery terminal and at the board terminals marked [+ BAT -] to insure there is no break in the battery connection wires.

Note: Maximum charging current under discharges is 1.25 amp.

Note: Expected battery life is 5 years, however it is recommended changing batteries in 4 years or less if needed.

Fig. 1



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 140VA (Altronix model # T28140).
BAT+, BAT-	Stand-by battery connections.
DC+, DC-	6 amps continuous output 12VDC & 24VDC

