



LPS3-C12X Linear Power Supply / Charger

Overview:

The Altronix LPS3-C12X Linear Power Supply/Charger is specifically designed to provide the power needed by the most demanding security and access control applications. It will convert a 115VAC 60Hz input to a 2.5 amp 12VDC continuous power limited output.

Specifications:

- Input 115 VAC 60Hz, .5 amp
- 12VDC power limited output
- Maximum charge current .5 amp
- 2.5 AMP continuous supply current
- Filtered and electronically regulated output
- Over voltage protection
- 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	Maximum Load DC
12VDC	2.5 amps

Installation Instructions:

The LPS3-C12X should be installed in accordance with The National Electrical Code and all applicable Local Regulations.

1. Mount the LPS3-C12X in desired location.
2. Connect AC power to the black and white flying leads of the transformer (see Fig. 1, #1).
Use 18 AWG or larger for all power connections (Battery, DC output).
3. Connect devices to be powered to terminals marked - DC + (see Fig. 1, #2).
Note: It is good operating practice to measure and verify output voltage before connecting devices to ensure proper operation of equipment.
4. Connect battery to terminals - BAT + (see Fig. 1, #3) as marked on the unit (battery leads included).
Note: When batteries are not used a loss of AC will result in loss of output voltage.

Maintenance:

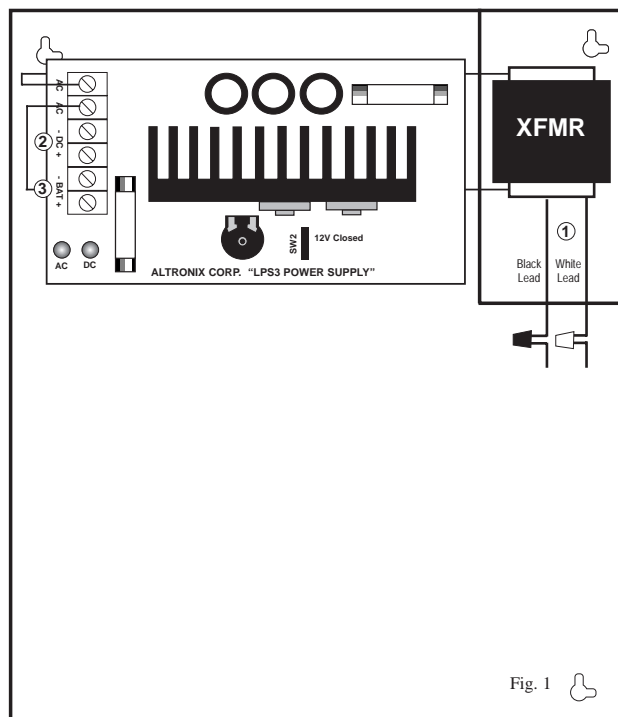
Unit should be tested at least once a year for the proper operation as follows:

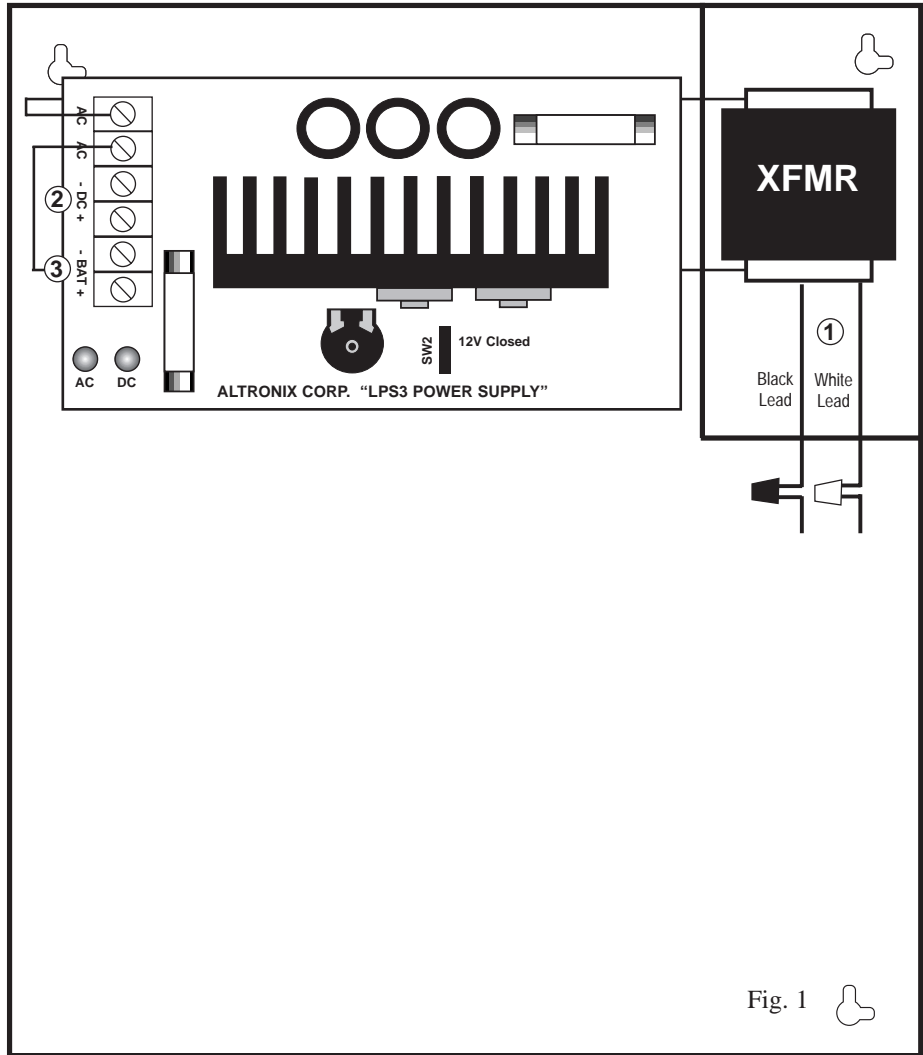
Output Voltage Test: Under normal load conditions, the DC output voltage should be checked for proper voltage level (see power supply voltage output specifications chart).

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 500mA.

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





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 missing stand-by battery. No DC output.

Terminal Identification:

Terminal Legend	Function/Description
AC/AC	Low voltage AC input (16VAC 56VA). Altronix part #T1656
- BAT +	Stand-by battery connections.
- DC +	12VDC 2.5 amps continuous output

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

