Overview:

LPS3C12X 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 50/60Hz input to a 2.5 amp, 12VDC output.

Specifications:

Input:

• Input 115VAC 50/60Hz, .5 amp.

Output:

- 12VDC output.
- 2.5 amp continuous supply current.
- Filtered and electronically regulated output.
- Thermal and short circuit protection with auto reset.

Battery Backup:

- Automatic switch over to stand-by battery when AC Fails.
- Built-in charger for sealed lead acid or gel type batteries.
- Maximum charge current .5 amp.
- Fused battery protection (circuit breakers available).
- Includes battery leads.

Visual Indicators:

• AC input and DC output LED indicators.

Enclosure Dimensions:

15.5"H x 12"W x 4.5"D

Power Supply Voltage Output Specifications:

Output VDC	Maximum Load DC
12VDC	2.5 amp

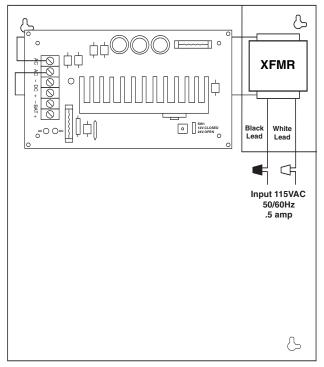


Fig. 1

Installation Instructions:

The LPS3C12X should be installed in accordance with The National Electrical Code and all applicable Local Regulations.

- 1. Mount the LPS3C12X in desired location.
- 2. Connect AC power to the black and white flying leads of the transformer (*Fig. 1*). Use 18 AWG or larger for all power connections (Battery, DC output).
- 3. Measure output voltage before connecting devices. This helps avoid potential damage.
- 4. Connect devices to be powered to terminals marked [- DC +] (Fig. 1).
- 5. Connect battery to terminals marked [- BAT +] (Fig. 1) 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 (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 discharge is 500mA.

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

LED Diagnostics:

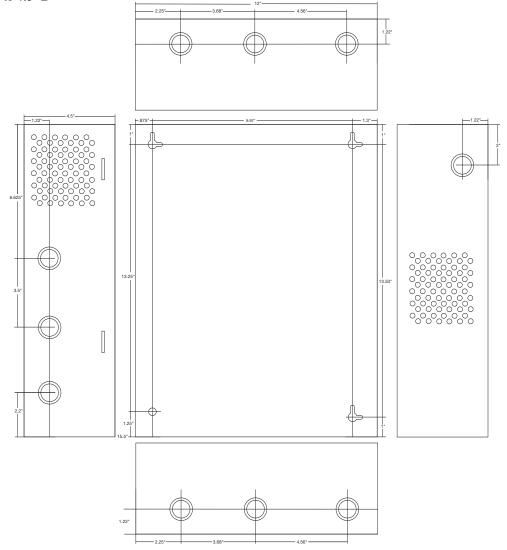
Red (DC)	Green (AC)	Power Supply Status
ON	ON	Normal operating condition.
ON	OFF	Loss of AC, Stand-by battery supplying power.
OFF	ON	No DC output.
OFF	OFF	Loss of AC. Discharged or missing stand-by battery. No DC output.

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 amp continuous output.

Enclosure Dimensions:

15.5"H x 12"W x 4.5"D



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

