



LPS3C12X Linear Power Supply/Charger

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

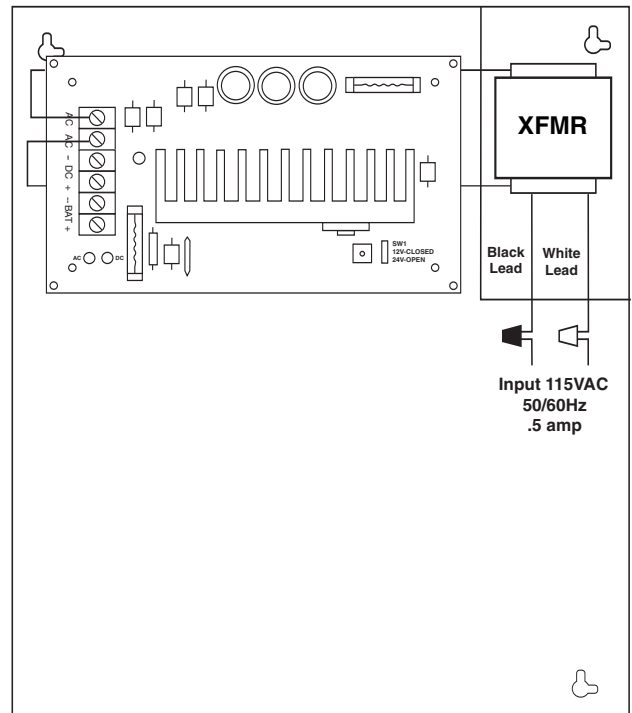


Fig. 1

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:

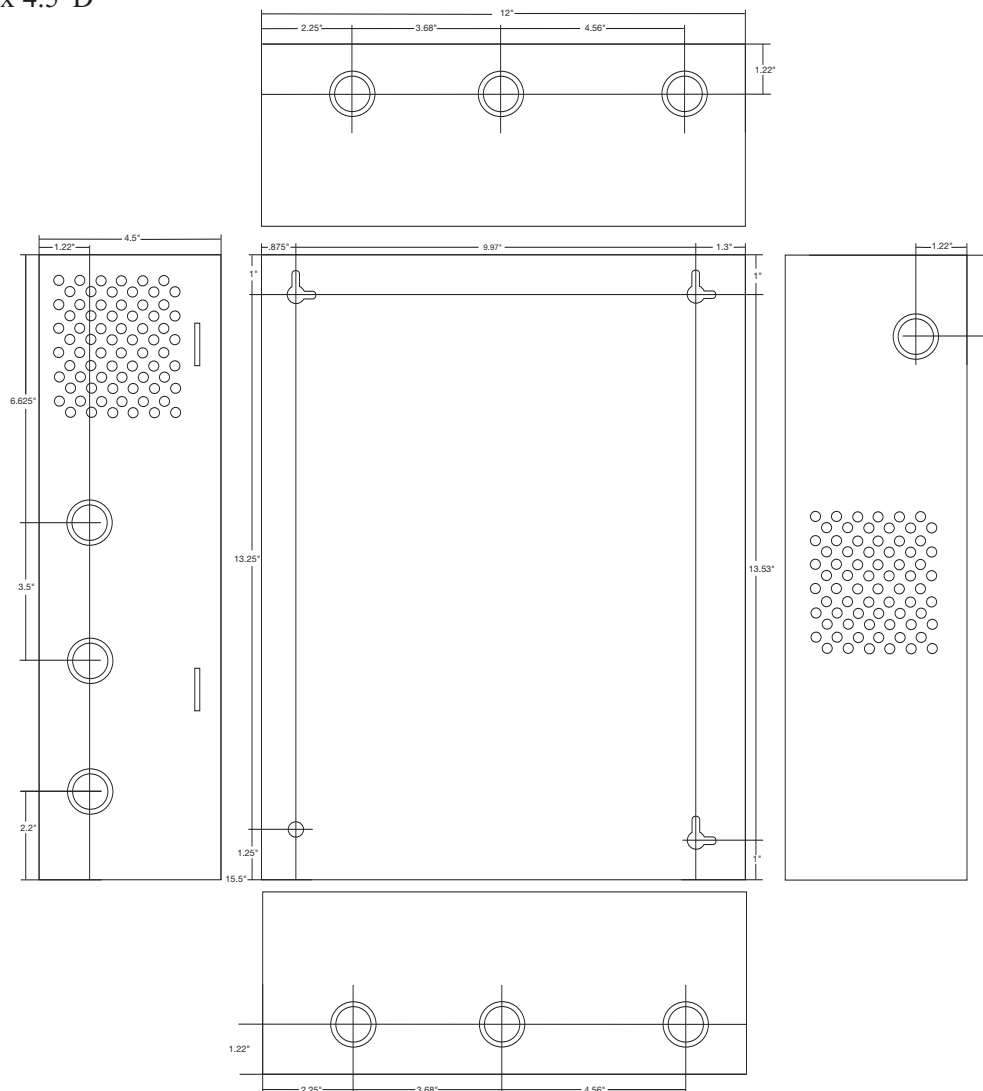
Red (DC)	Green (AC)	Power Supply Status
ON	ON	Normal operating condition.
ON	OFF	Loss of AC, Stand-by battery supplying power.
OFF	ON	No DC output.
OFF	OFF	Loss of AC. Discharged or missing stand-by battery. No DC output.

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.