



LPS5C24X

Linear Power Supply/Charger

Overview:

Altronix LPS5C24X linear power supply/charger converts a 115VAC 50/60Hz input to a 24VDC @ 3.5A continuous supply current. The output stays regulated until the batteries discharges to 25% capacity.

Specifications:

Input:

- 115VAC 50/60Hz, 1.6A.

Output:

- 24VDC @ 3.5A.
- Filtered and electronically regulated.
- Thermal and overload protection with autoreset.

Battery Backup:

- Built in charger for sealed lead acid batteries.
- Automatic switchover to stand-by battery when AC Fails.
- PTC battery protection.
- Maximum charge current 0.3A.
- Includes battery leads.

Visual Indicators:

- AC input and DC output LED indicators.

Supervision:

- Low battery and AC fail supervision (dry relay outputs 1A @ 28VDC).

Enclosure Dimensions (H x W x D):

13.5" x 13" x 3.25"
(342.9mm x 330.2mm x 82.55mm)

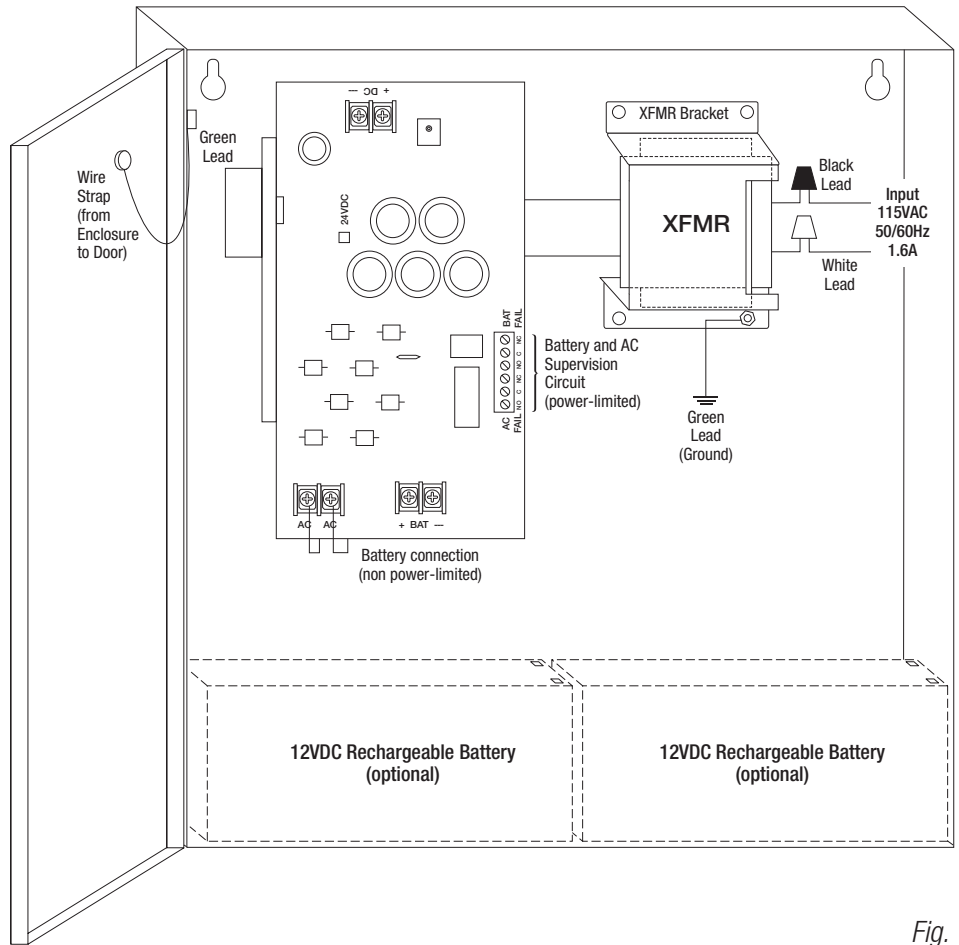


Fig. 1

Power Supply Voltage Output Specifications:

Output VDC	Maximum Load DC
24VDC	3.5A

Installation Instructions:

The LPS5C24X should be installed in accordance with The National Electrical Code and all applicable Local Regulations.

1. Mount the LPS5C24X in the desired location.
2. Connect AC power to the black and white flying leads of the transformer (Fig. 1). Connect green lead to the earth ground. Use 18 AWG or larger for all power connections (Battery, DC output).
3. Measure output voltage before connecting devices. This helps avoiding potential damage.
4. Connect devices to be powered to the terminals marked [+ DC -] (Fig. 1).
5. Connect battery to the terminals marked [+ BAT -] on the unit (battery leads included) (Fig. 1).

Note: When batteries are not used, a loss of AC will result in loss of output voltage.

Keep power-limited wiring separate from non power-limited wiring (115VAC 50/60Hz Input, Battery Wires).

Minimum 0.25" spacing must be provided.

CAUTION: Do not touch exposed metal parts. Shut branch circuit power before installing or servicing equipment. There are no user serviceable parts inside. Refer installation and servicing to qualified service personnel.

Terminal Identification:

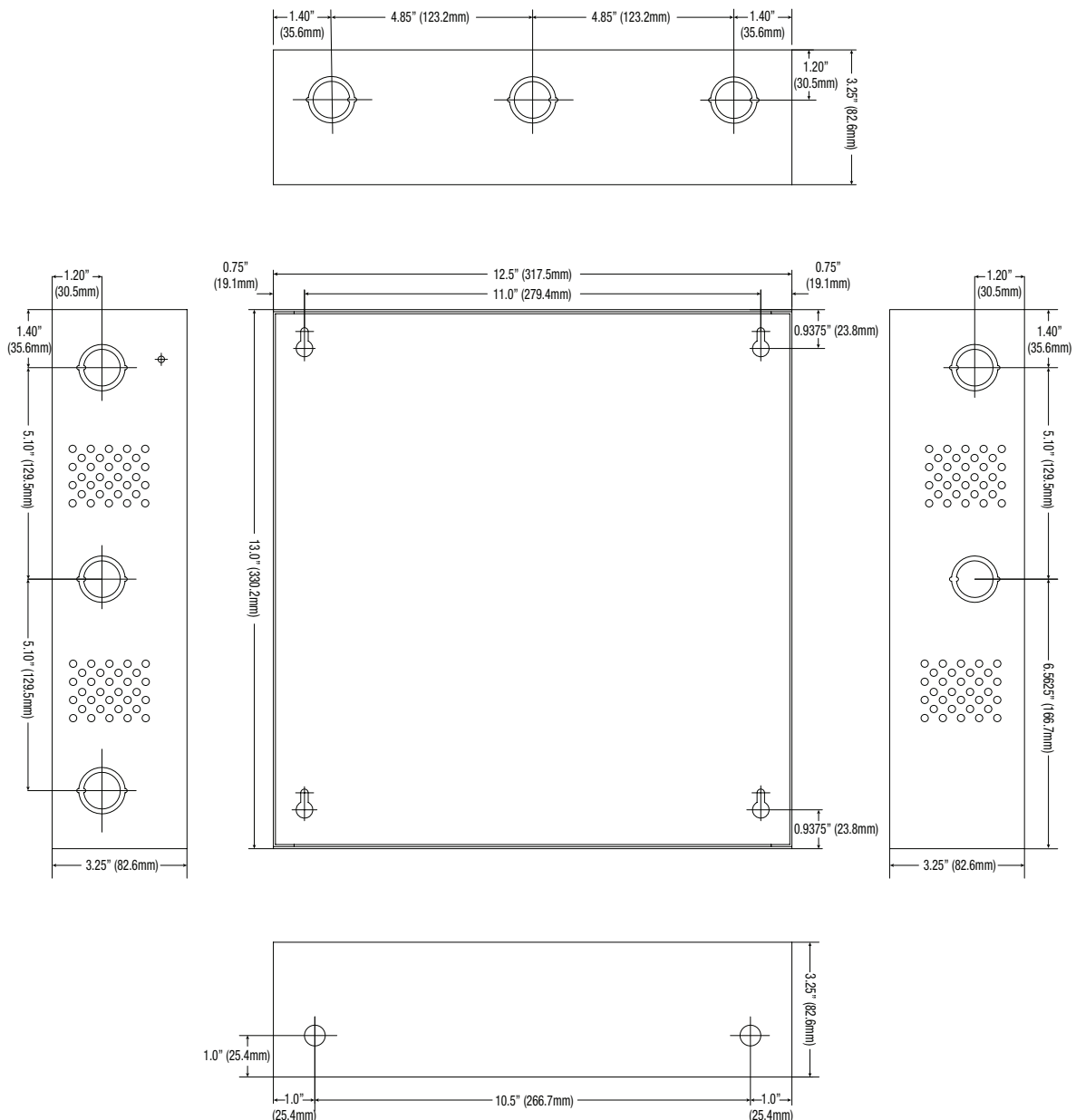
Terminal Legend	Function/Description
AC/AC	Low voltage AC input (24VAC 150VA). Altronix part # T24150.
+ BAT -	Stand-by battery connections.
+ DC -	24VDC @ 3.5A continuous output.

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.

Enclosure Dimensions (H x W x D approximate):

13.5" x 13" x 3.25" (342.9mm x 330.2mm x 82.55mm)



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

140 58th Street, Brooklyn, New York 11220 USA | phone: 718-567-8181 | fax: 718-567-9056
 website: www.altronix.com | e-mail: info@altronix.com | Lifetime Warranty
 IILPS5C24X - Rev. 051105

LO9U

