OLS127
Off-Line Power Supply/Charger

Overview:
Altronix OLS127 power supply/charger converts 115VAC, 50/60Hz input into a 12VDC or 24VDC @ 4A of continuous supply current (see specifications). This general purpose power supply has a wide range of applications for access control and security system accessories that require additional power.

Specifications:
Input:
- 115VAC, 50/60Hz, 0.95A

Output:
- 12VDC or 24VDC selectable output.
- 4A continuous supply current.
- Filtered and electronically regulated output.
- Short circuit and thermal overload protection.

Visual Indicators:
- AC input and DC output LED indicators.

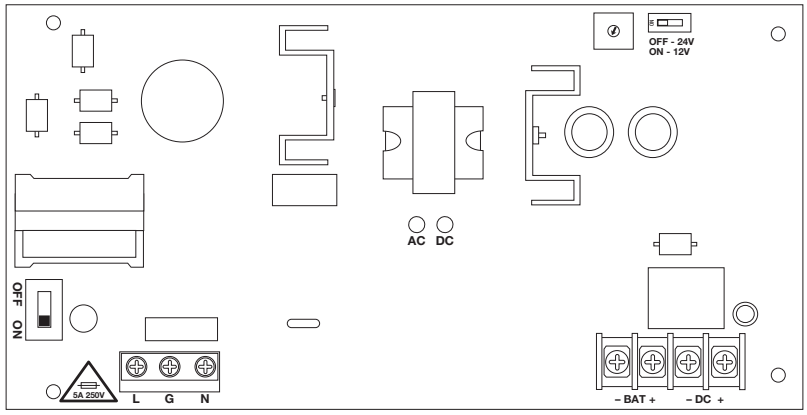
Battery Backup:
- Built-in charger for sealed lead acid or gel type batteries.
- Automatic switch over to stand-by battery when AC fails.
- Maximum charge current 0.5A.

Features:
- Power ON/OFF switch.
- Includes battery leads.

Board Dimensions (W x L x H approx.)**:**
4.5" x 7.25" x 1.75" (114.3mm x 184.1mm x 44.45mm).

Voltage Output Selection Table:

Output VDC	Switch Position	Max. Load DC
12VDC	SW1 - ON	4A
24VDC	SW1 - OFF	4A



Installation Instructions:
OLS127 should be installed in accordance with
The National Electrical Code and all applicable Local Regulations.

1. Mount the OLS127 in desired location/enclosure.
2. Slide [Power ON/OFF] switch to OFF position.
3. Set the OLS127 to desired DC output voltage via SW1 *(Voltage Output Selection Table).*
   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 on board. Refer installation and servicing to qualified service personnel.
4. Connect AC power to the terminals marked [L & N], connect ground to the terminal marked [G].
   Use 18 AWG or larger for all power connections (Battery, DC output).
5. Slide [Power ON/OFF] switch to ON position.
6. Measure output voltage before connecting devices. This helps avoiding potential damage.
7. Slide [Power ON/OFF] switch to OFF position.
8. Connect devices to be powered to the terminals marked [– DC +].
9. When the use of stand-by batteries is desired, they must be lead acid or gel type.
   Connect battery to terminals marked [– BAT +] (battery leads included). Use two (2) 12VDC batteries connected in series for 24VDC operation.
10. When batteries are not used, a loss of AC will result in the loss of output voltage.
11. Slide [Power ON/OFF] switch to ON position.

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. Short circuit or thermal overload condition.
OFF	OFF	Loss of AC. Discharged or no stand-by battery. No DC output.

Terminal Identification:

Terminal Legend	Function/Description
L, G, N	Connect 115VAC to these terminals: L to Hot, N to Neutral, G to ground.
– DC +	12VDC / 24VDC @ 4A continuous supply current.
– BAT +	Stand-by battery connections. Maximum charge rate 0.5A.

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MEMBER