AL624E - Linear Power Supply / Charger

Overview:

The AL624E Linear Power Supply / Charger will convert a low voltage AC input to a low voltage DC output. This general purpose power supply has a wide range of applications for access control, security and CCTV system accessories that require additional power.

Specifications:

- 6VDC or 12VDC selectable output.
- 1.2 amp continuous supply current.
- Filtered and electronically regulated output.
- Built-in charger for sealed lead acid or gel type batteries.
- Maximum charge current 300mA.
- Automatic switchover to stand-by battery when AC Fails.
- AC input and DC output LED indicators.
- Thermal and short circuit protection with auto reset.
- PTC battery protection.
- Includes battery leads and enclosure.

Enclosure Dimensions: 8.5”H x 7.5” W x 3.5” D

Voltage Output/Transformer Selection Table:

Output	Voltage Selector (JMPR)	Transformer
6VDC @1.2 amp continuous supply current	Cut Jumper J2 Only	12VAC / 20 VA
12VDC @ 1.2 amp continuous supply current	Leave J1 & J2 Intact	16.5VAC / 20 VA

Installation Instructions:

1. Mount AL624 into enclosure *(Fig. 1, pg. 2)*.
2. Mount AL624E in desired location.
3. Unit is factory set for 12VDC. For 6VDC output cut jumper J2.
4. Connect proper transformer to terminals marked [AC] *(refer to Voltage Output/Transformer Selection Table)*. Use 18 AWG or larger for all power connections (Battery, DC output).
5. Devices to be powered should be connected to terminals marked [+ DC] and [DC - BAT] carefully observing polarity. **Note:** Measure output voltage before connecting devices. This helps avoid potential damage
6. Connect battery to terminals marked [BAT +] and [DC - NEG] (battery leads included) **Note:** When batteries are not used, a loss of AC will result in a loss of output voltage.

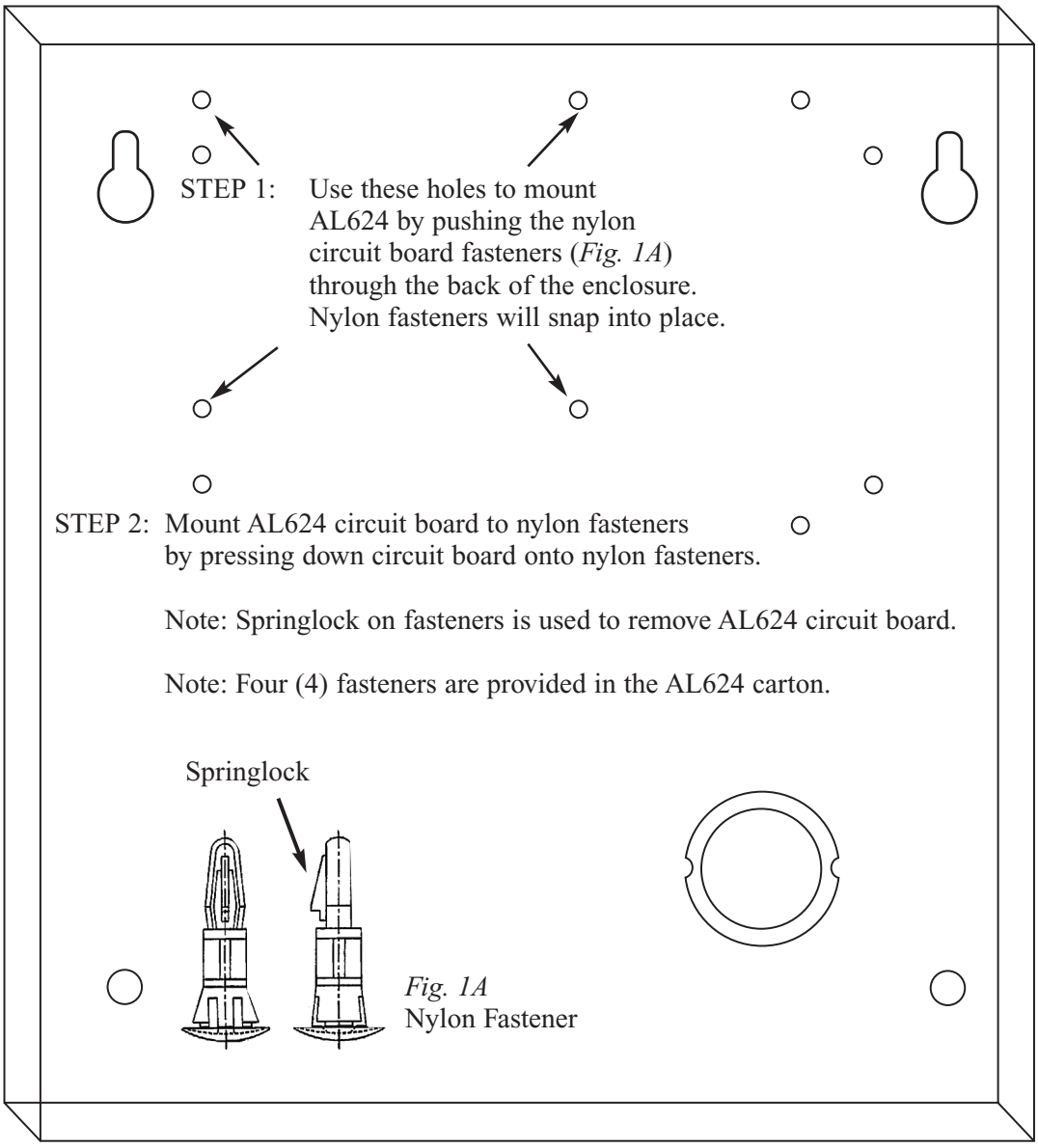
LED Diagnostics:

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	No DC output. Loss of AC. Discharged or no battery present.

Terminal Identification:

Terminal Legend	**Function/Description**
AC/AC	Low voltage AC input *(refer to Voltage Output/Transformer Selection Table).*
- DC +	6VDC or 12VDC @ 1.2 amp continuous supply current.
+ BAT -	Stand-by battery connections. Maximum charge rate 300mA.

Fig. 1



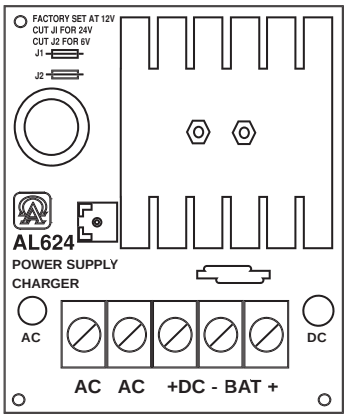
STEP 1: Use these holes to mount AL624 by pushing the nylon circuit board fasteners (*Fig. 1A*) through the back of the enclosure. Nylon fasteners will snap into place.

STEP 2: Mount AL624 circuit board to nylon fasteners by pressing down circuit board onto nylon fasteners.

Note: Springlock on fasteners is used to remove AL624 circuit board.

Note: Four (4) fasteners are provided in the AL624 carton.

Fig. 1A
Nylon Fastener



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