



AL624 Linear Power Supply / Charger

(Replaces models AL612 and AL1224)

Overview:

The AL624 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:

- Selectable 6-12-24VDC power limited output.
- 1.2 amp continuous supply current at 6-12VDC.
- 750mA continuous supply current at 24VDC.
- 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.
- Fused battery protection (circuit breakers available).
- Snap Trac compatible (order Altronix model #ST3).
- DIN Rail mount version available (order Altronix model #DPS1).
- Includes battery leads.
- Extremely compact design.

Board dimensions: 3"L x 2.5"W x 1.5"H



Installation Instructions:

1. Mount AL624 in desired location / enclosure.
2. **Unit is factory set for 12VDC.** For 6VDC output cut jumper J2, for 24VDC output cut Jumper J1.
3. Select proper transformer (refer to voltage output/transformer selection table) & connect to terminals marked AC.
4. Devices to be powered should be connected to terminals marked [+ DC] and [DC - BAT] carefully observing polarity.

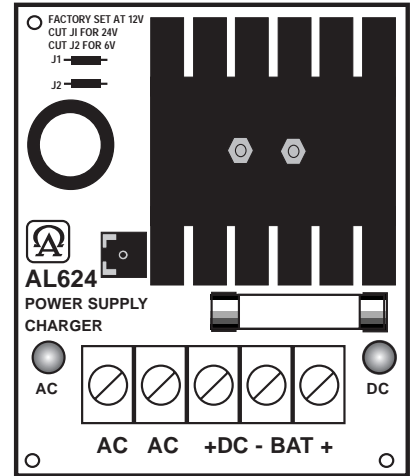
Note: It is good operating practice to measure and verify output voltage before connecting devices to ensure proper operation of equipment.

5. Connect battery to terminals marked [BAT +] and [DC - NEG] (battery leads included)
Use two (2) 12VDC batteries connected in series for 24VDC operation.

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

Voltage Output/Transformer Selection Table:

Output	Voltage Selector (JMPR)	Transformer
12VDC @ 1.2 amp continuous supply current	Leave J1 & J2 Intact	16.5VAC / 20 VA (Altronix model TP1620)
24VDC @ 750mA continuous supply current	Cut Jumper J1 Only	24VAC / 40 VA (Altronix model TP2440)
6VDC @ 1.2 amp continuous supply current	Cut Jumper J2 Only	12VAC / 20 VA (Altronix model TP1220)



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. Defective unit.
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 +	6-12VDC @ 1.2 amp continuous power limited output. 24VDC @ 750mA continuous power limited output.
+ BAT -	Stand-by battery connections. Maximum charge rate 300mA.

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



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