



# AL624 Kits

## Linear Power Supply/Chargers

### Installation Guide

#### Overview:

Altronix AL624 linear power supply/charger kits have a wide range of applications including: access control, security and CCTV system accessories that require additional power.

#### Specifications:

##### Output:

- See below for the specific model.
- Filtered and electronically regulated output.
- Short circuit and thermal overload protection.

##### 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 0.3A.
- PTC battery protection.

##### Visual Indicators:

- AC input and DC output LED indicators.

##### Features:

- Extremely compact design.
- Battery leads included.

##### Board Dimensions (W x L x H approx.):

3" x 2.5" x 1.125" (76.2mm x 63.5mm x 28.6mm)

#### AL62412C/AL62412CX:

- 12VDC @ 1.2A continuous supply current.
- Kit includes: power supply, 12VDC 4AH (AL62412CX and AL62424CX - 12VDC 7AH) rechargeable battery and 16.5VAC 20VA Class 2 Rated plug-in transformer.

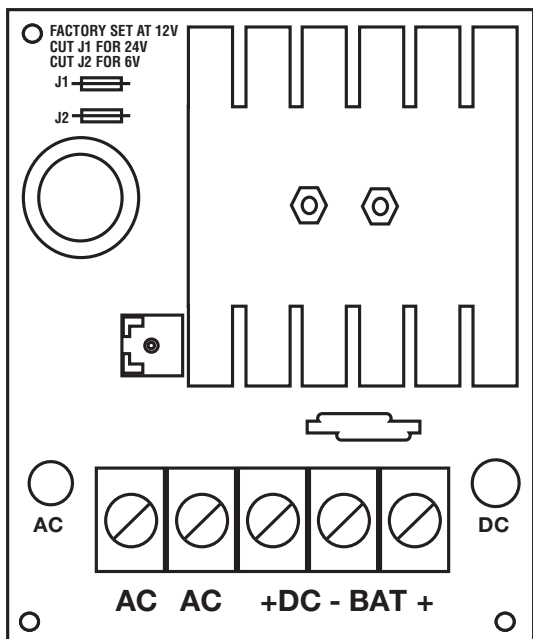
#### AL62424C:

- 24VDC @ 750 mA continuous supply current.
- Kit includes: power supply, two (2) 12VDC 4AH rechargeable batteries and 24VAC 40VA Class 2 Rated plug-in transformer.

### Installation Instructions:

1. Mount unit in the desired location/enclosure (mounting hardware included).
2. Unit is factory set for correct output voltage.
3. Connect wall plug-in transformer to the terminals marked [AC].  
Use 18 AWG or larger for all power connections (Battery, DC output).
4. Measure output voltage before connecting devices. This helps avoiding potential damage.
5. Devices to be powered should be connected to the terminals marked [+ DC] and [DC – BAT], carefully observing polarity.
6. Connect battery to the terminals marked [BAT +] and [DC – NEG] (battery leads included).

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



### LED Diagnostics:

Red (DC)	Green (AC)	Power Supply Status
ON	ON	Normal operating conditions
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.
- DC +	12VDC @ 1.2A continuous supply current. 24VDC @ 750mA continuous supply current.
+ BAT -	Stand-by battery connections. Maximum charge rate 300mA.

Altronix is not responsible for any typographical errors.

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