

**\* Try these other fine ELK products \***

#### **M1 Cross Platform Control**

- M1G** Full Featured Security & Automation Control  
**M1KP** LCD Keypad, 2 x 16 Character, backlighted  
**M1XIN** 16 Zone (input) expander. Up to 12 per sys.  
**M1XOVR** 16 Output expander. 8 voltage/8 Relays  
**M1RB** 8 relay board for use w/Ctrl, XOVR, or XOVR  
**M1DBH** Data Bus wiring hub for multiple homeruns  
**M1XEP** Ethernet port expander/interface  
**M1XSP** Serial port expander for additional serial ports.

#### **Rust Free Sirens / Speakers**

- 1RT** Speaker & Stainless Steel Enclosure  
**150RT** Siren & Stainless Steel Enclosure

#### **Speakers & Sirens**

- 44** Speaker, 30 W/8 Ohm Compact Horn  
**45** Siren, Compact Horn, 118db  
**M120** Siren, 107db, Mini Horn  
**SP15** Speaker, 15 watt, Small Horn  
**SP30** Speaker, 30 watt, Horn  
**SP35** Speaker, 20 watt, Interior  
**SP40** Speaker, 40 watt, Horn  
**SS15** Siren, Dual Tone, 110db, Horn  
**SS30** Siren, Dual Tone, 120db, Horn  
**SS36** Siren, Dual Tone, 105db, Interior

#### **ECHO™ Sirens & Speakers**

- 73** ECHO Speaker, 20 Watt, Interior  
**74** ECHO Dual Tone Siren, Interior

#### **Siren & Voice Drivers**

- 100** High Performance Siren Driver  
**110** Voice Siren Driver, English & Spanish  
**120** Recordable Voice Module and Siren  
**124** Recordable Voice Module, 4 Channels

#### **Surge Suppressors**

- 950** Surge Suppressor, Phone & Power Line  
**951** Surge Suppressor, Phone - Single Line  
**952** Surge Suppressor, Phone - Inline Modular  
**955** Surge Suppressor, Phone - Dual Line

#### **Relay Modules**

- 912** Compact Relay, 12 Vdc, SPDT  
**912B** Heavy Duty Compact Relay, 12/24 Vdc, SPDT  
**924** Sensitive Relay, 12/24 Vdc, DPDT  
**941** Alarm Output Director  
**960** Delay Timer Relay, 1 sec. to 60 min.

#### **Power Products**

- 1250** Battery, Lead Acid, 12v, 5Ah  
**1280** Battery, Lead Acid, 12v, 8Ah  
**P112** 12 Volts DC, 1 Amp Power Supply w/Enclosure  
**P124** 24 Volts DC, 800mA Power Supply w/Enclosure  
**P1216** 12 Volts DC, 1.5 Amp Power Supply  
**P412** 12 Volts DC, 4 Amp Power Supply  
**P624** Power Supply & Battery Charger  
**965** Low Battery Cutoff and Power Switch  
**TRG1640** Transformer, 16.5VAC @ 45 VA  
**TRG2440** Transformer, 24VAC @ 40 VA

#### **Accessories**

- 129** Computer Sound Card Interface  
**800** Audio Amplifier, 10 Watts  
**900-2** "B" Connectors, Unfilled, 500 pcs  
**902-2** "B" Connectors, Gel filled, 500 pcs  
**999** Double Sided Tape  
**SL1** Strobe Light, 4 colors available  
**WK1** Wall Mount Kit for SL1 Strobes

For more information contact your local Distributor or:  
ELK PRODUCTS, INC 828-397-4200 FAX 828-397-4415  
<http://www.elkproducts.com> Email: [info@elkproducts.com](mailto:info@elkproducts.com)



## **Power Supply and Battery Charger ELK-P624**

**6, 12, or 24 Volt DC**

#### **APPLICATION:**

The ELK-P624 is engineered to be a trouble-free general-purpose power supply/charger. It features automatic reset "fuseless" overload protection which eliminates service calls to replace blown fuses. The output voltage is easily selected with easy to change mini-jumpers.

#### **FEATURES & SPECIFICATIONS:**

- Selectable 6, 12, or 24 VDC Regulated Output
- Visual AC and DC Power Indicator LEDs
- AC and DC Surge Suppression
- Built-In Battery Charging Circuit
- Standby Battery Capacity: 1.2 to 10Ah
- Size: 3" X 3" (76.2mm X 76.2mm )
- Auto-Reset Overload Protection: 2.5 Amps
- Lifetime Limited Warranty

## **Power Supply and Battery Charger ELK-P624**



Selectable 6, 12, or 24 Volt DC

	Transformer Input	Continuous Output Current**
<b>6V Setting:</b>	12VAC, 40VA	1.2A
<b>12V Setting:</b>	16.5VAC, 40VA	1.0A
<b>24V Setting:</b>	24VAC, 40VA	800mA

\*\* Higher output current (up to 2.5 Amps) may be drawn for a short time provided a fully charged battery is connected.

Features or Specifications subject to change without notice.

**Instructions Printed On Inside**



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**WARNING:** Cancer and Reproductive Harm  
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# APPLICATIONS AND WIRING DIAGRAMS

## AC Transformer Input Terminals

IMPORTANT! Connect proper Transformer according to desired output voltage!

For **6V DC** Output, connect a **12V, 40VA**  
For **12V DC** Output, connect a **16.5, 40VA**  
For **24V DC** Output, connect a **24V, 40VA**

## DC Output Terminals

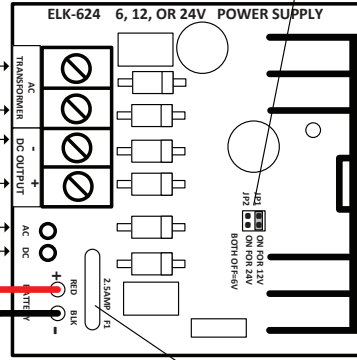
Connect device(s) to be powered.  
Observe + / - polarity!

## LED Status Indicators

(Green) AC	(Red) DC
ON / ON	ON / ON
OFF / ON	ON / ON
ON / OFF	ON / OFF
OFF / OFF	ON / OFF

### Indication

AC input is on / DC output is on. Normal.  
AC input is off / DC output is from **Battery only**. Step down Transformer is defective or unplugged, or the AC outlet is off. Battery will eventually discharge.  
AC input is on / DC output is off. The auto-reset overload protector is likely open due to an overload short circuit. Try reducing some of the device load.  
OFF / OFF AC input is off / DC output is off.

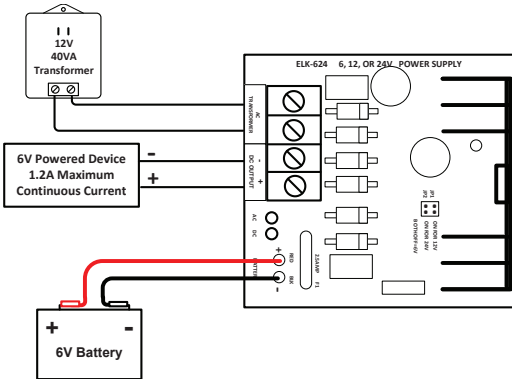


## Battery Wires

Connect to rechargeable Lead-acid battery  
1.2 Ah up to 10 Ah  
(Red = "+", Black = "-")

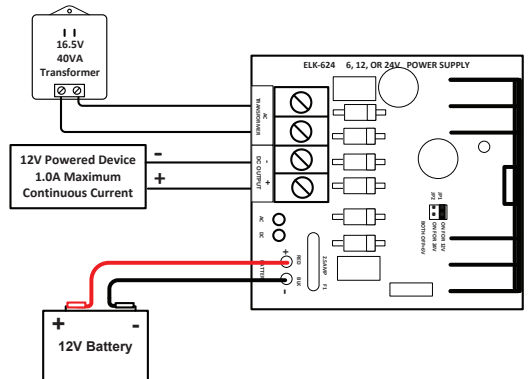
## Auto-Reset (Fuseless) Overload Protector - 2.5 Amp

Automatically resets when short or overload is removed.



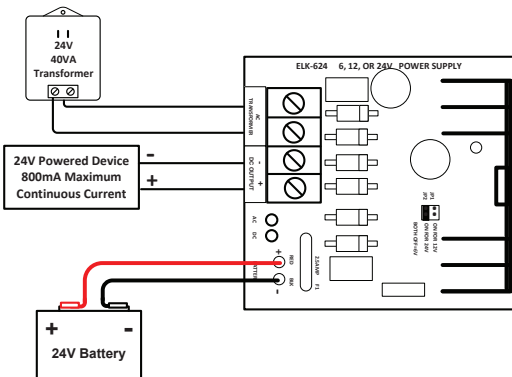
## 6 VOLT MODE

For 6 volt output, remove the small black mini-jumper from the header pins marked JP1 and JP2. (See Figure 1 above) Then connect a 12VAC, 40VA transformer to the AC TRANSFORMER terminals and connect a 6V battery to the red (+) and black (-) battery wires. The mini-jumper may be discarded or stored for later use by placing one side onto a single header pin.



## 12 VOLT MODE

For 12 volt output, place the small black mini-jumper on the header pins marked JP1. (See Figure 1 above) Make certain that header pin JP2 is vacant. Connect a 16.5 VAC, 40VA transformer to the AC TRANSFORMER terminals and connect a 12V battery to the red (+) and black (-) battery wires.



## 24 VOLT MODE

For 24 volt output, place the small black mini-jumper on the header pins marked JP2. (See Figure 1 above) Connect a 24 VAC, 40VA transformer to the AC TRANSFORMER terminals and connect a 24V battery to the red (+) and black (-) battery wires.