

Overview:

DPS1 power supply/charger converts low voltage AC input into 6VDC or 12VDC @ 1.2 amp or 24VDC @ 750mA of continuous supply current (see specifications). This general purpose power supply has a wide range of applications for access control, security and CCTV system accessories that require additional power.

Specifications:

- Switch selectable 6VDC-12VDC-24VDC.
- 1.2 amp continuous supply current at 6VDC-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.
- PTC battery protection (circuit breakers available).
- Thermal and short circuit protection with auto reset.
- AC input and DC output LED indicators.
- Extremely compact design.
- Includes battery leads.
- Includes Snap Trac compatible (order Altronix model #ST3).

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



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)

Installation Instructions:

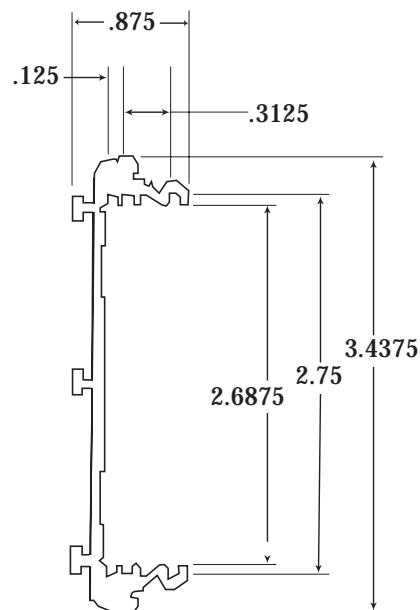
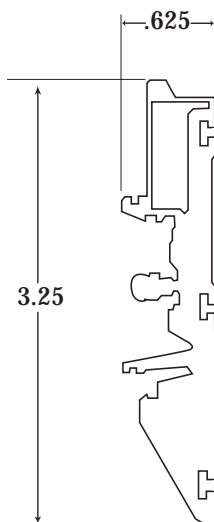
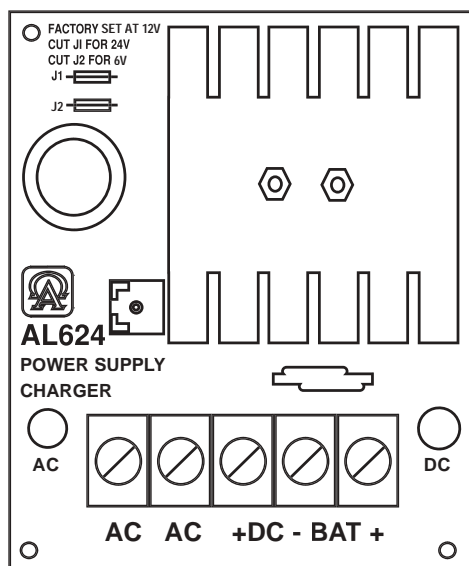
1. Mount DPS1 in desired location/enclosure.
2. **Unit is factory set for 12VDC.** For 6VDC output cut jumper J2, for 24VDC output cut Jumper J1.
3. Connect proper transformer to terminals marked [AC] (*refer to Voltage Output/Transformer Selection Table*). Use 18 AWG or larger for all power connections (Battery, DC output).
Keep power limited wiring separate from non-power limited wiring (115VAC / 60Hz Input, Battery Wires). Minimum .25" spacing must be provided.
4. Measure output voltage before connecting devices. This helps avoid potential damage.
5. Devices to be powered should be connected to terminals marked [+ DC] and [DC - BAT] carefully observing polarity.
6. 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.

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.

DPS1 - Board Drawing:

ST3 Drawing:



Terminal Identification:

Terminal Legend	Function/Description
AC/AC	Low voltage AC input (<i>refer to Voltage Output/Transformer Selection Table</i>).
- DC +	6VDC-12VDC @ 1.2 amp continuous supply current. 24VDC @ 750mA continuous supply currentt.
+ BAT -	Stand-by battery connections. Maximum charge rate 300mA.

Altronix is not responsible for any typographical errors.

