

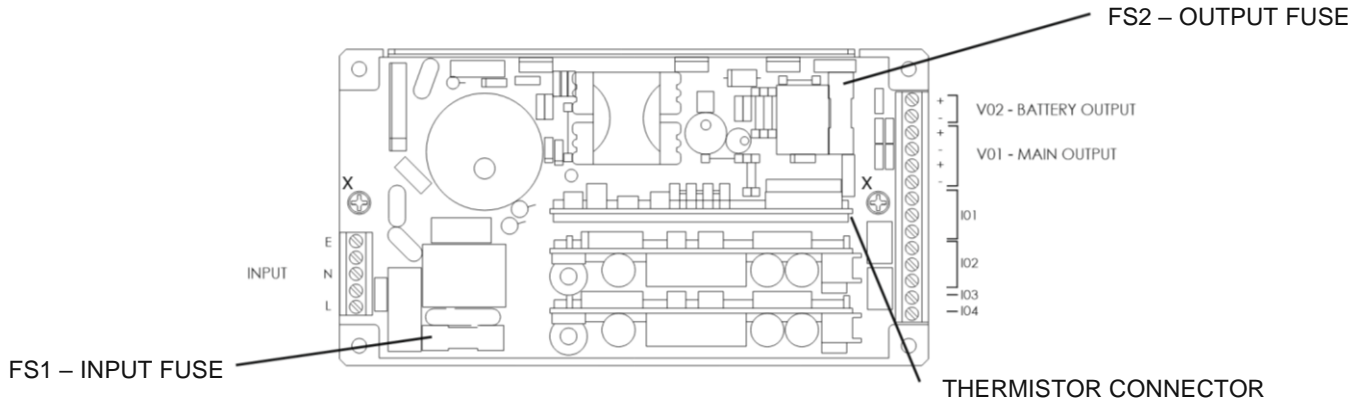
75WATT CHARGER INSTALLATION

SAFETY INSTRUCTIONS

- The PSU must be reliably connected to earth.
- In accordance with IEC415 No.5017, a label showing the protective earth symbol should be placed adjacent to the installation earth.
- A suitable disconnecting device should be installed by the end user.

INPUT VOLTAGE SELECTION AND FUSING

The PSU operates from a universal input supply voltage of 100-236 Vac @ 50/60Hz.



Both the input and output fuses are accessed by removing the cover (held in place by two screw 'X'). Both fuses must be replaced by fuses with the same type and rating.

SITING THE THERMISTOR

The thermistor **MUST** be connected for correct operation. The thermistor is used to sense the battery temperature and should be placed within the vicinity of the system batteries.

OUTPUT VOLTAGES AND CURRENT RATING

12V UNIT			24V UNIT		
O/P	VOLTAGE	CURRENT (MAX.)	O/P	VOLTAGE	CURRENT (MAX.)
1	14.4V	4.75A	1	28.8V	2.8A
2	13.6V	1.0A	2	27.2V	1.0A

The maximum power output from the PSU is 75W. Any combination of currents can be taken from each output (up to their respective maxima) provided that this be $\leq 75W$.

The PSU is for use in a maximum ambient of 40 °C.

Output 2 is temperature compensated to provide a variable float voltage when charging sealed lead acid batteries.

The temperature is sensed by a thermistor incorporated into the PSU.

	TYPE	I/P / O/P	NORMAL	FAULT(ACTIVE)	FAULT CONDITION
IO1	VFR	OUT	CLOSED	OPEN	BATT LOW / NO BATTERY / BATTERY TEST FAIL
IO2	VFR	OUT	CLOSED	OPEN	MAINS SUPPLY FAULT
IO3	TTL	OUT	HIGH	LOW	SYSTEM FAULT (ALL FAULT CONDITIONS)
IO4	TTL	OUT	10K PULLUP HIGH	ACTIVE LOW	FORCE BATTERY TEST (LOW TO TEST)

WARNING SYMBOLS



Danger - Hazardous voltage inside.
Contact will cause shock or burn.
Turn off and lockout system power before servicing.



Caution - Hot surface
Contact with internal components during servicing may be hot.

FINAL MOUNTING PANEL

The Power Supply Unit can be mounted via its chassis in two positions.

A DIN rail mounting kit is available as an optional extra.

(Vxl Power Part No. 14613-000)

