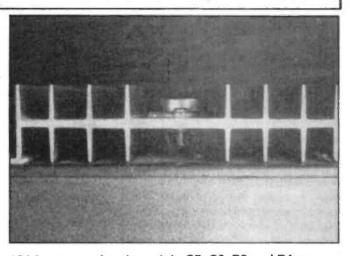


Inside of PSU



IC1 is mounted on heatsink. C5, C6, R3 and R4 are mounted on i.c. pins, in space between heatsink and lid of box.

TO PA Take care that fuseholders for F3 and F4 will not short against transformer mounting washer when Ild is fixed in place Shaded areas are copper laminate Super-glued to lid IC1 is mounted on heatsink on top of lid. R3, R4, C5 and C6 are mounted on IC pins — other leads pass through lid to PCB pads FS3 LID TRANSCEIVER All wiring is thick insulated wire TO NICADS BOX C1 C2 C3 FS1 MAINS Tag strip (Insulate mains connections with heat shrink sleeves) Layout and wiring details of Power Pack

COMPONENTS LISTING

COMPONENTS LISTING	
R1 R2 R3 R4 R5	1k ½ watt 0.47R 5 watt see table 1-½ watt see table 1-½ watt 47R ½ watt see table 2-½ watt
C1, C2, C	3 4700uF, 40V
C4,	10uF, 25V tant.
C5,	0.22uF 100V poly.
C6,	0.47uF 100V poly.
C7,	0.22uF 100V poly.
S1,S2	S7101 SPDT miniature
IC1 IC2	toggle. 78HGKC 7805
Q1	2N6397 or similar high
Q1	current triac (12A)
Br1	200V 6A bridge rectifier
Z1	see table 1 — 400mW zener
	diode
T1	ILP Toroidal transformer, 120VA, 18V + 18V (12V +
	12V if only 6V outputs
	required)
L1	100uH 1A (Siemens
	B82111EC25)
12	120uH 2A (Siemens
	B82500BA10)
Case, 4 × 20mm plastic chassis mount	
fuseholders — fuses to suit loading,	
Heatsink (2.1°C per watt heatsink eg	
Electrovalue 10DNA), miniature tag	
strip, 2 small pieces copper laminate,	
	THOUS CANACITAT CHAS THOUSE

Nuts and bolts, capacitor clips, rubber feet, grommets. Connecting cable.

All parts are available from Electrovalue, 28 St Judes Road, Englefield Green, Egham, except R2, which is available at Tandy stores.

The transformer may seem very generously rated, but needs to satisfy peaks of current, and maintain sufficient input to regulators. It also helps it to run cool.