

SPECIFICATION SHEET

437-438

Z3329

UNIVERSAL 1000Watt U.K./U.S. VOLTCHANGER

The VOLTCHANGER is an auto transformer to supply either 110v from 240v, or 240v from 110v , at 50Hz or 60Hz (it does not change the frequency).

Input :-

Either : 240volts 50Hz via a fused, voltage selectable, IEC320, appliance inlet connector.

A 3-core, 1sqmm cable, fitted with moulded BS1363 plug and IEC320 socket, is supplied. The VOLTCHANGER is factory-set for 240V input with 5Amp fuse!

Or : 110volts 60Hz via the above inlet. (Ensure fuse & selector set for 10Amp/110V)

A 3 core cable of at least 18AWG fitted with moulded 3 pin 10 amp American plug and IEC320 socket is supplied.

Fuses :-

20 x 5mm IEC127 5amp - for 240v input;

10amp - for 110v input.

Output :-

Either : 110volts @ 1KVA at same frequency as supply, via an American, 3 pin socket;

Or : 240volts @ 1KVA at same frequency as supply via a BS1363, 3 pin socket.

Construction :-

Epoxy coated toroidal core in silicon steel

Polyester-imide enamelled, class H copper winding wire.

Polyester film outer insulation (4 layers minimum)

Polyurethane resin encapsulation.

Epoxy painted 18swg steel case

Insulation to EN60742

Electrical :-

Flash tested between winding & case @ 2.2KV ac

Insulation resistance between winding & case > 50Mohms @ 500volts

Magnetising (no load) current @ 240v input < 50mA

@110v input < 90mA

Regulation 2%

Resistance (d.c.) of total 240v winding approx 1.0 ohms

Mechanical :-

Size ; 180 x 160 x 78mm.

Weight : approx 7 kg

Protection rating IP30 (limited by American socket)

Thermal :-

Case temperature rise under full load within EN60742 limits.

Auto reset thermal trip incorporated in windings.