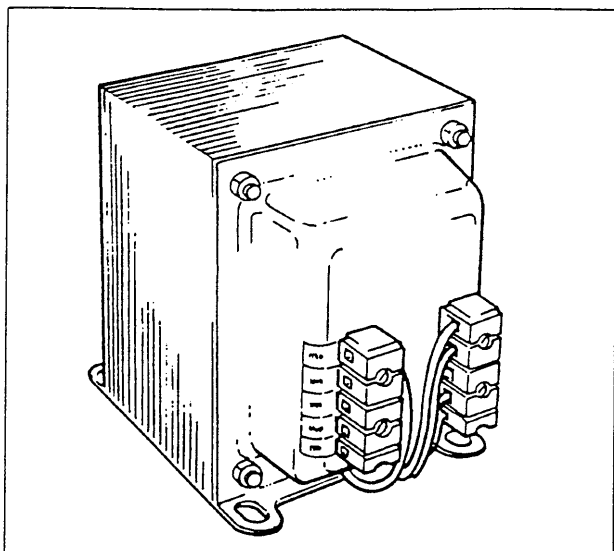


177-164



TRANSFORMERS

MAINS ISOLATING TRANSFORMERS

BS 415 Mains Transformers

A range of four isolation transformers available with the following ratings 100, 250, 500 or 1000VA. Primary windings cater for input voltages of either 240, 380 or 415V AC (except 100VA model which permits 110/220/240V input). Twin secondaries of 60-55-0-55-60V each winding allows output voltages of 55, 60, 110, 115, 120, 220, 230, 235 and 240V to be achieved.

All transformers have fully screened primary windings (except 100VA model which is a double bobbin construction with solder tag connections). All transformers are manufactured to BS 415 and are 4kV flash tested.

- ▶ Isolating transformers with twin secondaries
- ▶ 4 models covering 100 to 1000 VA
- ▶ Fully screened primary windings (except 100 VA models)
- ▶ Manufactured in accordance with BS 415
- ▶ For use with 110, 220 or 240 volt mains supplies (100 VA model), 240, 380 or 415 (250, 500 and 1000 VA models)
- ▶ 55, 60, 110, 115, 120, 200, 225, 230, 235 or 240 volts outputs



Farnell
WINDINGS

MAINS TRANSFORMERS

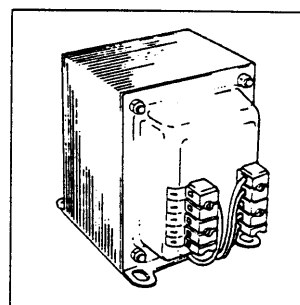
TRANSFORMERS

Order Codes

Primary	Secondary	CODE
100VA 110/220/240V	Twin 60-55-0-55-60V	Z2810
250VA 240/380/415V	Twin 60-55-0-55-60V	Z2807
500VA 240/380/415V	Twin 60-55-0-55-60V	Z2808
1000VA 240/380/415V	Twin 60-55-0-55-60V	Z2809

Transformer specifications

	100VA	250VA	500VA	1000VA
Width mm	89	112	112	112
Height mm	75	135	135	135
Depth mm	68	159	197	248
Weight kg	1.5	5.5	9.5	15.0
Fixing centres mm	57x43.5 x2BA	92.75 x2BA	92x115 x0BA	92x162 x0BA



Farnell Windings South Church Road Bishop Auckland Co. Durham DL14 7LB
Tel: 01388 602265 Telefax: 01388 608774
A member of the Farnell Electronics Group

Farnell
WINDINGS

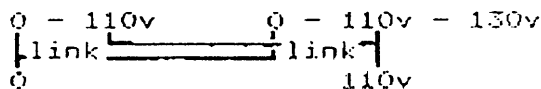
100VA TRANSFORMER 177-164

MANUFACTURER: B.B.H COIL & TRANSFORMER MFG. CO. LTD
MANUFACTURERS PART No. 22810

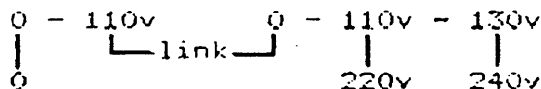
ISSUE	DATE	CHANGES	CHECK
A	10-3-88		
B	18 DEC 95	Q/C 5107	

INPUT: 0 - 110v 0 - 110v - 130v

INPUT FOR 110v - CONNECT IN PARALLEL



INPUT FOR 220v OR 240v - CONNECT IN SERIES



TWIN SECONDARIES ARE RATED AT .41 AMPS EACH AND MAY BE CONNECTED TOGETHER IN SERIES OR PARALLEL AS BELOW.

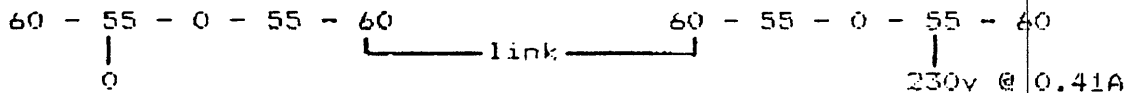
1: SERIES CONNECTION FOR 240 VOLTS OUTPUT

FRONT FACE (WITH INPUT)

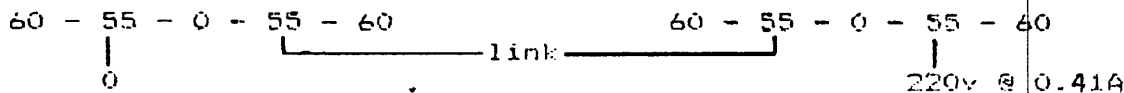
BACK FACE



2: FOR 230v:



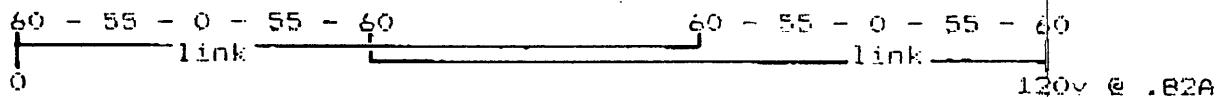
3: FOR 220v:



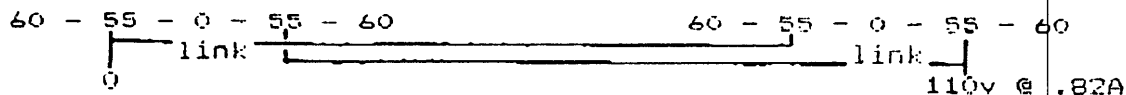
PARALLEL CONNECTION

IN THIS MODE, IT IS VITAL TO CONNECT THE WINDINGS IN CORRECT PHASE OR THE SECONDARY WILL BE SHORT CIRCUITED AND OVERHEAT.

eg: 120v OUTPUT:



110v OUTPUT:



TRANSFORMERS ARE FLASH TESTED PRIMARY TO SECONDARIES @ 4.4kV A.C. FOR 6 SECONDS.

CREEPAGE AND CLEARANCE TO BS3535/BSBS415 PROVIDED BY A FULLY SHROUDED, TWO COMPARTMENT, MOULDED NYLON ROBBIN RATED AT CLASS B 130 C.

SECONDARIES ARE SEPERATED FROM EACH OTHER BY 2 LAYERS OF .05mm POLYESTER TAPE AND WILL WITHSTAND 500 VOLTS MEGGER TEST.

OPTIONAL TERMINAL COVERS ARE AVAILABLE EXTRA.

NO LOAD PRIMARY CURRENT (CONNECTED FOR 240v) LESS THAN 100mA.

NO LOAD OUTPUT VOLTAGES 65.5 - 60 - 0 - 60 - 65.5.

TEMPERATURE RISE APPROX 50 C AT FULL LOAD.