

## ITU series

General purpose, single phase, double wound, transformer assemblies rated from 100VA to 3000VA, housed in robust, portable GRP enclosures, compound filled. As standard, ITU series transformers are of Class 1 construction and require an incoming protective conductor.

### Applications

Designed for use in portable applications or damp environments, ITU series transformers are available in a wide range of power ratings and voltage ratios and can incorporate a variety of fitments including MCBs, RCDs, Fusegear, Sockets and Isolators.

### Enclosures

Portable pattern with stout carrying handle, ITU series enclosures are moulded from high impact resistant GRP, standard colour yellow - other colours available to order. Enclosures are non-vented and have an IP55 rating (the overall IP rating of the assembly may be governed by external fitments, such as socket outlets).

### Ratings

Single phase, continuously rated at 100VA, 150VA, 200VA, 250VA, 350VA, 500VA, 750VA, 1000VA, 1500VA, 2000VA and 3000VA.

Transformer windings are designed and manufactured in accordance with BS EN 61558 Parts 1, 4, 6 and 23, as applicable.

### Voltages

Primary Voltages - 230 and 400 volts

Secondary Voltages - 12, 24, 25, 42, 50, 110 and 230 volts

Transformers with dual secondary windings can be supplied i.e. to feed a power tool at 110 volts and an inspection lamp at 24 volts.

The earth connection of the secondary winding must be specified - PTO for guidance on the earthing of transformer windings.

### Fitments

ITU series transformers can be fitted with a wide combination of MCBs, RCDs, Fusegear, Sockets and Switch Disconnectors. Our Customer Service Centres would be pleased to quote against your specific requirements.

### Alternative Products

- PTI and TT series of Portable Power Tool Transformers
- TLW and TH series of Steel, Wall Mounting Transformers
- ITLWC series of All Insulated, Wall Mounting Transformers

Please refer to our website for full details of Blakley Power Products.

Rating	Dimensions, mm	Weight
100VA	165 x 165 x 175	4.0 kg
150VA	165 x 165 x 175	4.5 kg
200VA	165 x 165 x 175	6.0 kg
250VA	165 x 165 x 175	7.0 kg
350VA	165 x 165 x 175	7.5 kg
500VA	165 x 165 x 175	8.0 kg
750VA	195 x 195 x 220	13.0 kg
1000VA	195 x 195 x 220	15.0 kg
1500VA	195 x 195 x 220	20.0 kg
2000VA	300 x 300 x 280	28.0 kg
3000VA	300 x 300 x 280	45.0 kg



ITU Series, 230:24V (SELV),  
1 x 16A socket outlet

THE POWER PROFESSIONALS

HIGHER POWER TRANS POWER SAFE POWER TEM POWER PRO POWER GREEN POWER

THE COMPANY RESERVES THE RIGHT TO CHANGE PRODUCTS WITHOUT PRIOR NOTICE.



Cert. No. 902091

TRPDS7 - 01/08

# Guidance on the Earthing of Secondary Windings

To enable us to supply transformers correctly configured for each installation it is necessary to specify the earthing arrangement of the secondary winding

Detailed below are the normal earthing arrangements for standard ITU series transformers.

Secondary Voltage	Earthing Arrangement	BS 7671 Definition	Comments
12 Volts	Earth Free	Separated Extra Low Voltage (SELV)	Normally hard wired. Over current protection to be DP
24, 25, 42 or 50 Volts	Earth Free	Separated Extra Low Voltage (SELV)	Sockets to be 2P Over current protection to be DP
24, 25, 42 or 50 Volts	Neutral Earthed	Protective Extra Low Voltage (PELV)	Sockets to be SP+N+E Over current protection to be SP
24, 25, 42 or 50 Volts	Centre-tapped to Earth	Protective Extra Low Voltage (PELV)	Sockets to be 2P+E Over current protection to be DP
110 Volts	Centre-tapped to Earth	Reduced Low Voltage (RLV)	Sockets to be 2P+E Over current protection to be DP
120 Volts	Neutral Earthed	Low Voltage (LV)	Sockets to be SP+N+E. Over current protection to be SP. (USA domestic voltage)
230 Volts	Neutral Earthed	Low Voltage (LV)	Sockets to be SP+N+E Over current protection to be SP
230 Volts	Earth Free	Protection by Electrical Separation	Maximum of one socket (feeding one appliance). Over current protection to be DP

