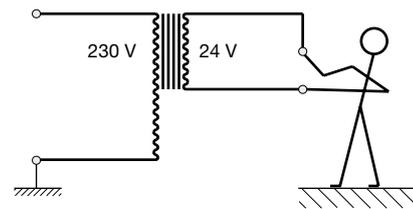


Safety Transformers

These transformers are designed to ensure personal safety, their primary winding are electrically separated from their secondary windings and they are intended to feed separated extra low voltage circuits $U \leq 50V$. A thermal overload, in the primary windings, ensures that if a short circuit or an overload occurs in the output it will not damage the device.

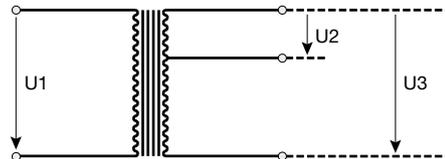


Bell Transformers

Bell transformers are similar to safety transformers but the secondary voltages do not exceed 24 volts, they are also similarly protected against short circuits and overloads, by thermal protection in the primary winding.

Compliance with the Standards

The bell and safety transformers conform with BS EN 61558. Where transformers are to be used in a common enclosure with other devices heat dissipation inserts LZ060 should be used.



Recommendation of Use

- To link only one secondary (never link both simultaneously)
- Do not connect (in series or in parallel) secondaries of different transformers

Technical Specification

	ST301	ST303	ST305	ST312	ST313	ST314	ST315
Nominal Power	4VA	8VA	16VA	25VA	16VA	40VA	63VA
Designation	Bell	Bell	Bell	Safety	Safety	Safety	Safety
Primary Voltage	230 Volts	230 Volts	230 Volts	230 Volts	230 Volts	230 Volts	230 Volts
Secondary Voltage	U2	8 Volts	8 Volts	8 Volts	12 Volts	12 Volts	12 Volts
		In = 0.5A	In = 1A	In = 2A	In = 2.08A	In = 1.33A	In = 3.33A
	U3	12 Volts	12 Volts	12 Volts	24 Volts	24 Volts	24 Volts
		In = 0.33A	In = 0.67A	In = 1.33A	In = 1.04A	In = 0.67A	In = 1.67A
No Load	U2	12 Volts	15 Volts	12 Volts	14 Volts	16 Volts	14 Volts
Secondary Voltage	U3	18 Volts	22 Volts	19 Volts	29 Volts	30 Volts	27 Volts
Galvanic Insulation		4kV	4kV	4kV	4kV	4kV	4kV
Max Functional Temperature		35°C	35°C	35°C	35°C	35°C	35°C
Overload and S/C Protection	Thermal cut out in the primary winding						
Insulation Class	H	H	B	B	B	B	H