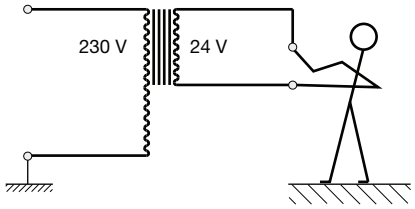
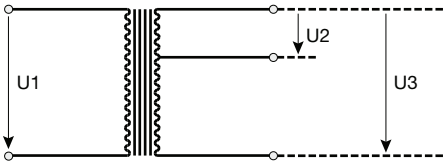
Safety Transformers
These transformers are designed to ensure personal safety, their primary winding are electrically separated from their secondary windings and they are intended to feed separated extra low voltage circuits U ≤ 50V. A thermal overload, in the primary windings, ensures that if a short 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	12 Volts
		I_n = 0.5A	I_n =1A	I_n = 2A	I_n = 2.08A	I_n = 1.33A	I_n = 3.33A	I_n = 5.25A
	U3	12 Volts	12 Volts	12 Volts	24 Volts	24 Volts	24 Volts	24 Volts
		I_n = 0.33A	I_n = 0.67A	I_n = 1.33A	I_n = 1.04A	I_n = 0.67A	I_n = 1.67A	I_n = 2.63A
No Load	U2	12 Volts	15 Volts	12 Volts	14 Volts	16 Volts	14 Volts	14 Volts
Secondary Voltage	U3	18 Volts	22 Volts	19 Volts	29 Volts	30 Volts	27Volts	27 Volts
Galvanic Insulation		4kV	4kV	4kV	4kV	4kV	4kV	4kV
Max Functional Temperature		35ºC	35ºC	35ºC	35ºC	35ºC	35ºC	35ºC
Overload and S/C Protection		Thermal cut out in the primary winding						
Insulation Class		H	H	B	B	B	B	H