

Electrical and Electronic Symbols

Primary or secondary cell. Also represents a battery of cells	Terminal	ac supply	Fuse	Loudspeaker	Microphone	Bell	Buzzer	Heating Element	Lamp	Light dependent resistor	Photodiode	Thermistor. "Resistor with inherent variability" (B.S.I.)
Junction of conductors	Double junction	Crossing of conductors with no electrical connection	AND	AND	NAND	NAND	Semiconductor diode	Light emitting diode	Breakdown diode			
Resistor	Variable	Potentiometer	NOT (Inverter)	OR	OR	EOR (Exclusive OR)	EOR	Switch	Break contact	Relay coil	Make contact spring return	
Capacitor	Polarised	Pre-set adjustment	OR	OR	NOR	NOR	Generator	Motor	Stepping motor			
Inductor with magnetic core	Aerial	Transformer with magnetic core	Schmitt inverter	RS-bistable	Operational amplifier	PNP transistor	NPN transistor	Ammeter	Voltmeter	Galvanometer		
						Frame	Earth	Triode thyristor (Type unspecified)	PNP phototransistor	Junction FET N-type	Junction FET P-type	Oscilloscope

FOR FURTHER INFORMATION REFER TO B.S.I. PUBLICATIONS BS 3939 EN 60617
 Education 5 - 19 T: +44 (0)1438 767373 E: schools@theiet.org W: www.theiet.org/schools