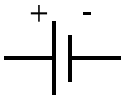
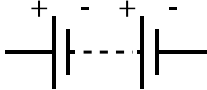
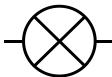


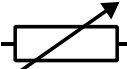


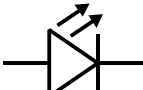


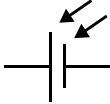
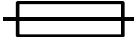

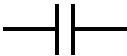
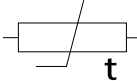



## Summary of electronic components

Electronic Component	Symbol	Function	Practical Application
Cell		Converts chemical energy into electrical energy	Supplies energy to a car battery
Battery		Converts chemical energy into electrical energy	Supplies energy to a torch
Lamp		Converts electrical energy into light	Bulb
Switch		To complete a circuit	Allows a circuit to be switch on or off
Resistor		To limit the current in a circuit	Changes electrical energy into heat in a toaster
Variable resistor		To vary to current in a circuit.	To vary the amount of current to a dimmer lamp
Voltmeter		To measure the voltage between two points. (p.d)	Measures the voltage through a component
Ammeter		To measure the current flow (charge per second) in a circuit / component	Measures the charge per second through a component
LED		To convert electrical energy into light	To act as a warning light. TV stand by
Motor		To convert electrical energy into kinetic energy	To allow the rotation of a washing machine drum
		To convert electrical energy	To listen to music

Loudspeaker		into kinetic energy - produces sound energy	Telephone handset
<b>Electronic Component</b>	<b>Symbol</b>	<b>Function</b>	<b>Practical Application</b>
Photovoltaic cell		To convert light energy into electrical energy	Calculator
Fuse		To limit the current flowing into a circuit	Melts and breaks when the flow of current is too high
Diode		To block the flow of current in one direction	Will only allow a.c to flow in one direction around a circuit.  Used in radios and TV to convert radio or TV signals
Capacitor		To store electric charge	Used in timing circuits to produce a time delay. Traffic lights
Thermistor		When its temperature increases its resistance decreases and vice versa	Used as an input device to a central heating system.
LDR		When the light levels on it decrease, its resistance increases.	Light sensor which switches on a lamp at dusk