

# Light Dependent Resistor (LDR)

A light dependent resistor (LDR) can detect light and can change the operation of a circuit depending upon the intensity of the light levels incident upon it. The material (typically CdS) used in the LDR absorbs the light and affects the conductivity of the material. The higher the intensity of the light – the less the resistance.

LDRs (also known as photoresistors) are often used in electronic circuit designs where it is necessary to detect the presence or the level of light. They can be used to control lights and home appliances and reduce the wastage of power.

Jupiter Scientific's LDR easily connects to your multimeter or electronic circuit via the 4mm banana sockets.



Maximum Power 100mW  
10K $\Omega$  @ 10Lx  
1M $\Omega$  @ 0 Lx