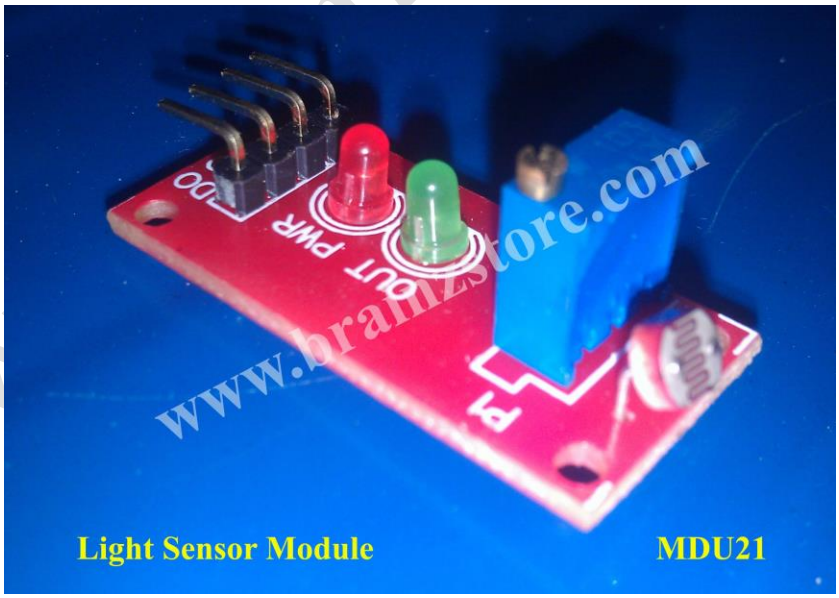
Light sensor Module Code: MDU21

MDU21 Module uses LDR sensor, which used in High sensitivity for External. You can easily integrate this module with any Microcontroller/ non Microcontroller based projects for Light based project.

This circuit uses a LDR along with a CD 3130 comparator for digital output (1/0). The Light Sensor Module also provides a very simple analog output, so all you need to connect it to your Arduino or compatible board GND, 5V, and one analog input. On a 3.3V microcontroller such as PIC or Arduino Due, VCC should be connected to 5V.

The module actually accepts any power source (VCC) between 3.0 and 5.5Vdc. Output voltage will vary between 0V and slightly less than VCC.

You can use whichever analog input suits you best, but for this example we'll use A0:



Size:

3cm x 1.6cm

PIN Configuration:

1. AO, analog output, real time output voltage signal of sensor.
2. DO, when the light reaches a certain threshold, the output high and low level signal. [The threshold through the potentiometer to adjust].
3. VCC – 5 V
4. Gnd

Technical Specification:

- Operating voltage 5V DC
- Dual Output Analog & digital
- Sensitivity Adjustment
- LED indication if Light detected