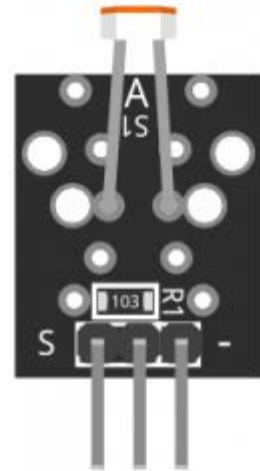


Photoresistor Module

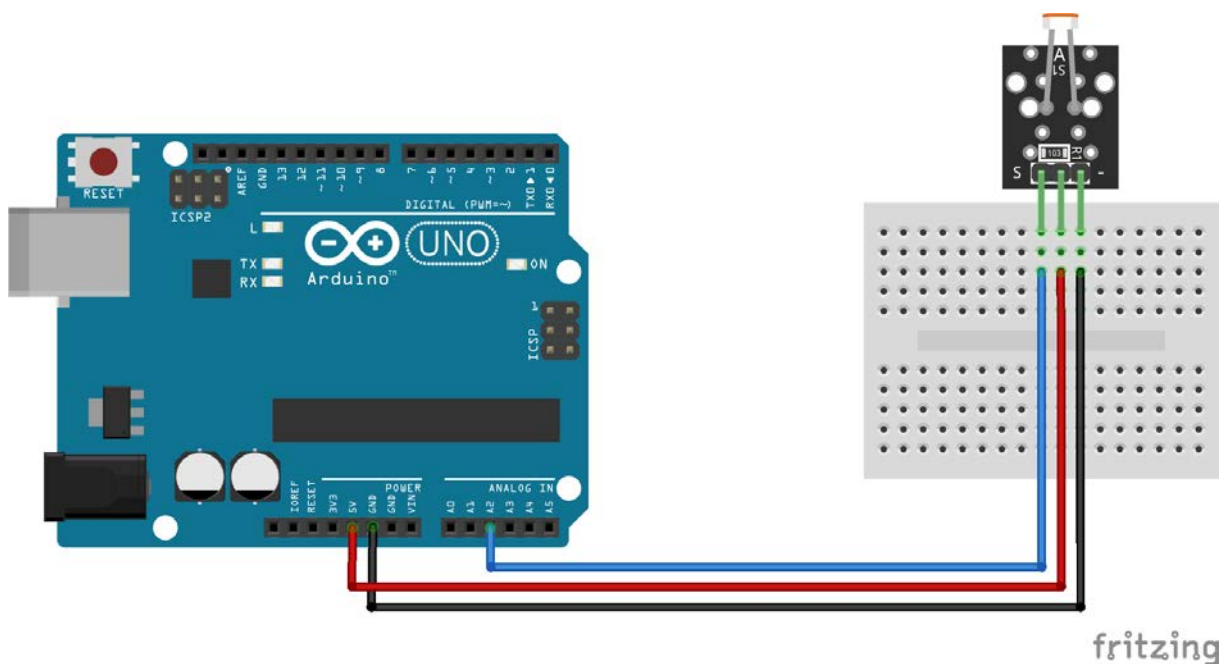
The photoresistor module is used to measure light intensity. It can determine the presence or absence of light.

This module consists of a photoresistor and a 10 kΩ in-line resistor. The photoresistor's resistance will decrease in the presence of light and increase in the absence of it. The output is analog and determines the intensity of light.



Pinout and Connection to Arduino

Connect the Power line (middle) and ground (-) to +5 and GND respectively. Connect signal (S) to pin A2 on the Arduino.



Arduino Example Sketch

The following Arduino sketch will output readings from the photoresistor, cover the module with your hand to prevent light on it and the output values will be low, point a light to the sensor and the values will be high.

```
int sensorPin = 2; //define analog pin 2
int value = 0;

void setup() {
    Serial.begin(9600);
}

void loop() {
    value = analogRead(sensorPin);
    Serial.println(value, DEC); // light intensity
                                // high values for bright environment
                                // low values for dark environment

    delay(100);
}
```