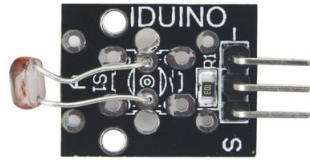# Light Dependent Resistor Module(SE012)

1 Introduction

Light Dependent Resistor, also called photo-resistor, are light sensitive devices most often used to indicate the presence or absence of light, or to measure the light intensity.

Specification

- Operation voltage: 5V
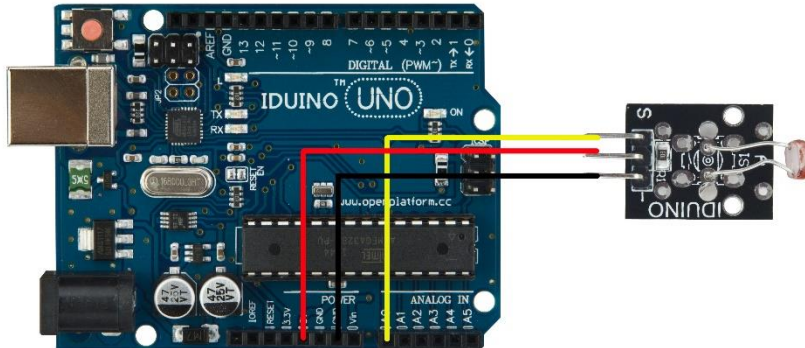- 3Pin
- Size:25*15mm
- Weight:1.2g

2 Pinout

Pin	Description
S	Analog output pin, real-time output voltage signal
+(middle pin)	Power
-	Ground

3. Example

In this example, this module will read the value of resistor and print in the Serial Monitor. These value can be reflect the intensity of environment light.

The connection as below:

```
int sensorPin = A5; // select the input pin for the potentiometer
int ledPin = 13; // select the pin for the LED
int sensorValue = 0; // variable to store the value coming from the sensor
void setup() {
  pinMode(ledPin, OUTPUT);
  Serial.begin(9600);
}
void loop() {
  sensorValue = analogRead(sensorPin);
  digitalWrite(ledPin, HIGH);
  delay(sensorValue);
  digitalWrite(ledPin, LOW);
  delay(sensorValue);
  Serial.println(sensorValue, DEC);
}
```