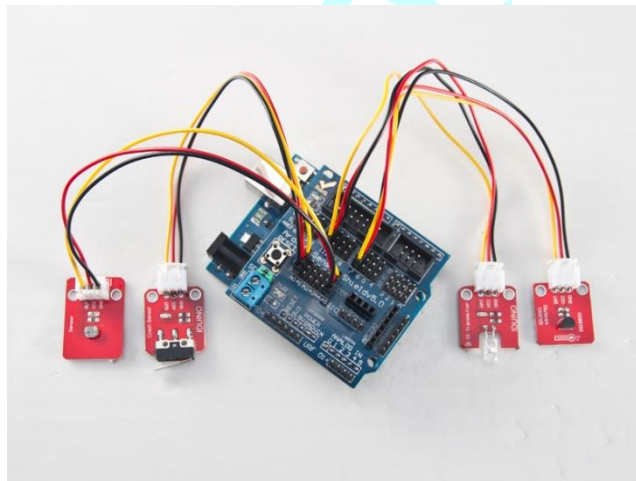


Easy Light Dependent Resistor Module(ST1107)



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. It's similar with the Light Dependent Resistor Module (SE012), the difference is that this module has one indicator light, which would be on when this module's voltage signal is changed. And, this module has integrated 3-pin terminal, which can be simply and tidily connected with Arduino sensor expansion board, like the following picture:



Specification

- Operation voltage: 5V
- With 3-pin Jumpers
- Size: About 25*15mm
- Weight: 4g

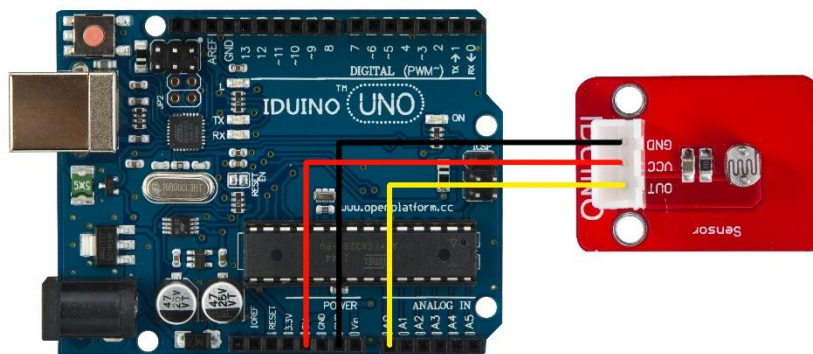
2 Pinout

Pin	Description
Out	Analog output pin, real-time output voltage signal
Vcc	Power
Gnd	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:



*****Code Begin*****

```
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() {
```

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```
sensorValue = analogRead(sensorPin);  
digitalWrite(ledPin, HIGH);  
delay(sensorValue);  
digitalWrite(ledPin, LOW);  
delay(sensorValue);  
Serial.println(sensorValue, DEC);  
}  
*****Code End*****
```

