Ks0028 keyestudio Photocell Sensor

Contents

Introduction

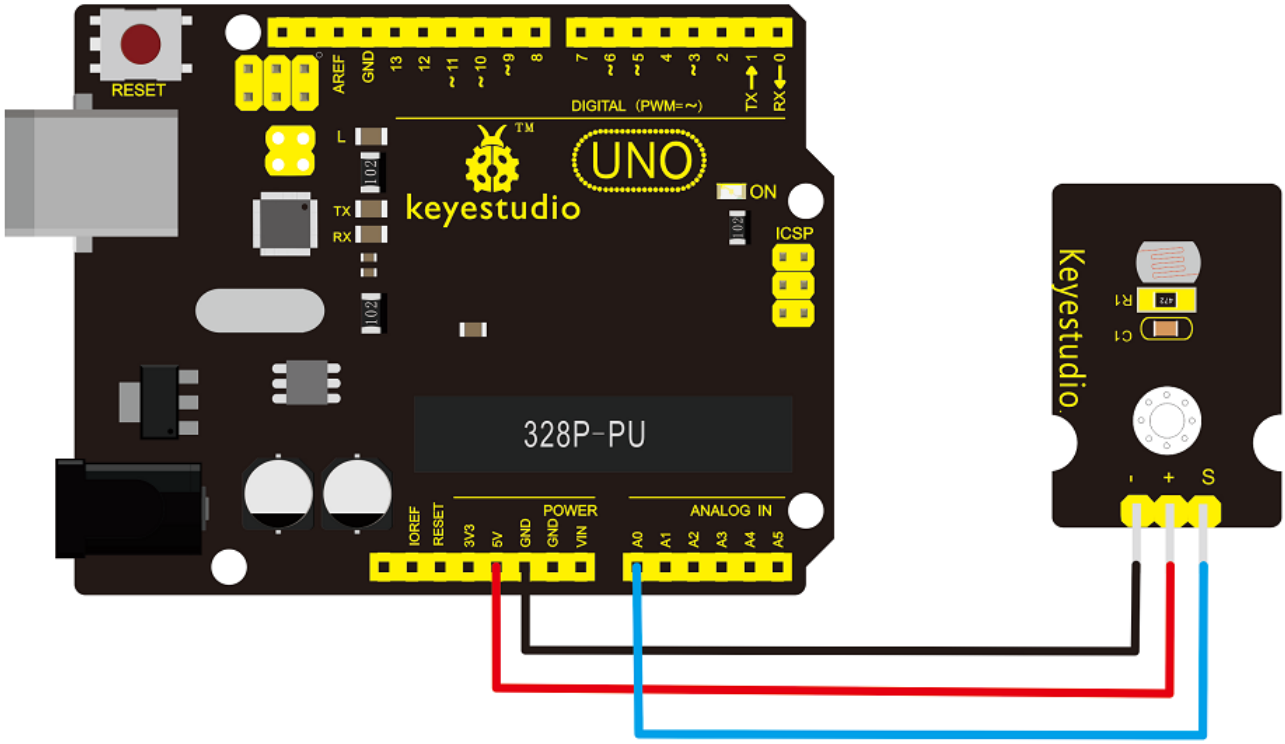
Photocell is commonly seen in our daily life and is mainly used in intelligent switch, also in common electronic design.
To make it more easier and effective, we supply corresponding modules. Photocell is a semiconductor. It has features of high sensitivity, quick response, spectral characteristic, and R-value consistence, maintaining high stability and reliability in environment extremes such as high temperature, high humidity.
It’s widely used in automatic control switch fields like cameras, garden solar lights, lawn lamps,

money detectors, quartz clocks, music cups, gift boxes, mini night lights, sound and light control switches, etc.

Specification

- Interface Type: analog
- Working Voltage: 5V

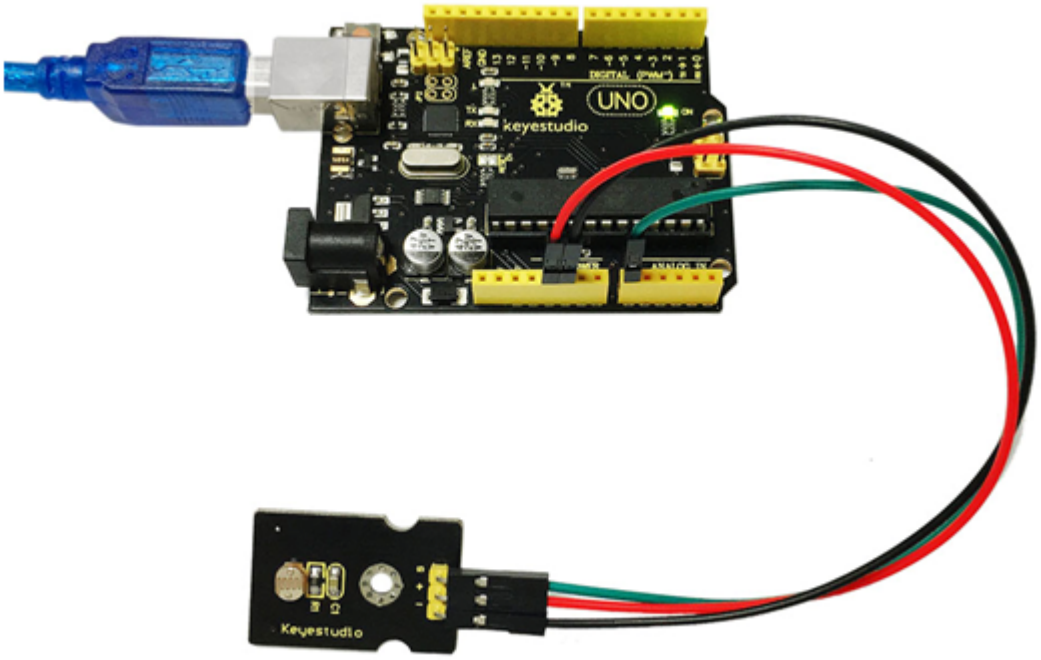
Connection Diagram



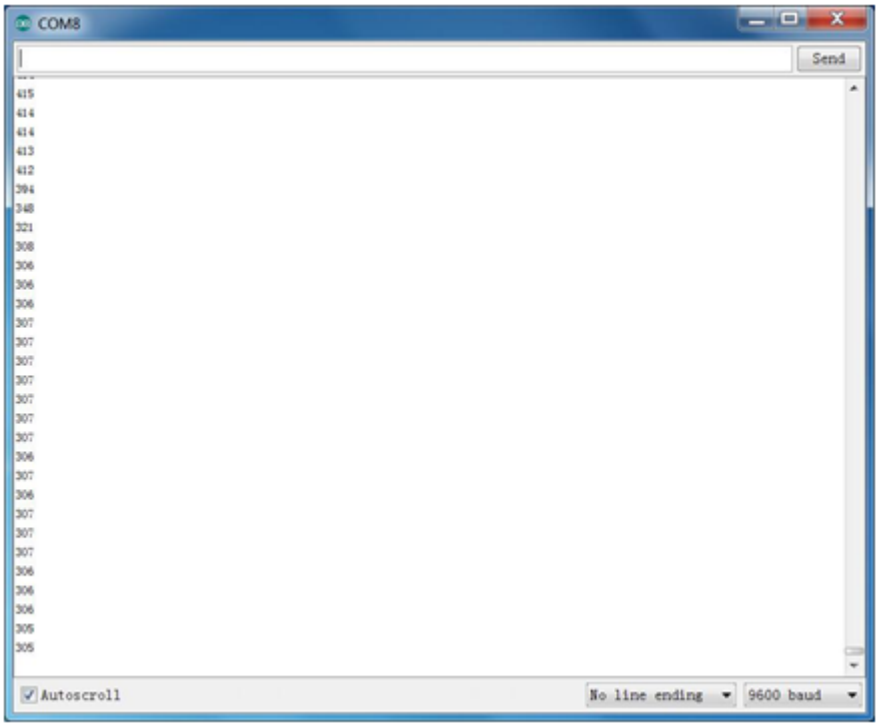
Sample Code

```
int sensorPin =A0 ;
int value = 0;
void setup()
{
 Serial.begin(9600); }
void loop()
{
 value = analogRead(sensorPin);

Serial.println(value, DEC);

delay(50);
}
```

Result



Done wiring and powered up, upload well the code, then open the serial monitor, if cover the photocell on the sensor with your hand, you will see the analog value decrease. Shown as below.



Resources

- **Video**

http://video.keyestudio.com/ks0028/

- **PDF and Code**

https://fs.keyestudio.com/KS0028

Buy from

- **Official Website** (https://www.keyestudio.com/free-shipping-keyestudio-photoresistor-light-dependent-resistor-sensor-module-for-arduino-p0394-p0394.html)
- **Shop on aliexpress** (https://www.aliexpress.com/store/product/Free-shipping-Keyestudio-Photoresistor-Light-Dependent-Resistor-Sensor-Module-for-Arduino-UNO-R3/4247007_32888709269.html?spm=2114.12010615.8148356.1.5ae84f90z0vuLX)