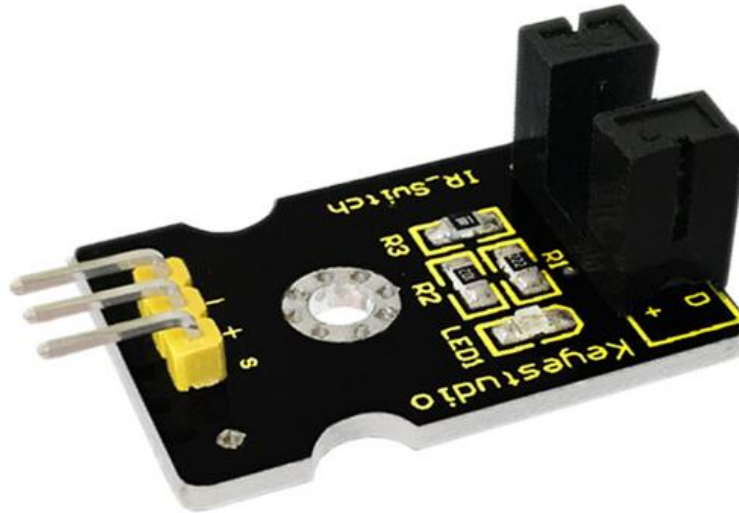


keystudio

PHOTO INTERRUPTER MODULE (KS0009)



Introduction

This sensor is composed of an infrared emitter on one upright and a shielded infrared detector on the other. By emitting a beam of infrared light from one upright to the other, the sensor can detect when an object passes between the uprights, breaking the beam. Used for many Applications including optical limit switches, pellet dispensing, general object detection, etc. Gap width = 10mm

Specification

Input Voltage: 3.3 to 5V

Interface: Digital

www.keystudio.cc

keystudio

Sample Code

```
int Led = 13 ;// define LED Interface
int buttonpin = 3; // define the photo interrupter sensor interface
int val ;// define numeric variables val
void setup ()
{
  pinMode (Led, OUTPUT) ;// define LED as output interface
  pinMode (buttonpin, INPUT) ;// define the photo interrupter sensor output
  interface
}
void loop ()
{
  val = digitalRead (buttonpin) ;// digital interface will be assigned a value of
  3 to read val
  if (val == HIGH) // When the light sensor detects a signal is interrupted,
  LED flashes
  {
    digitalWrite (Led, HIGH);
  }
  else
  {
    digitalWrite (Led, LOW);
  }
}
```