keyestudio

PIR Motion Sensor (with soldering pad-hole)

Module: KE0054

Introduction

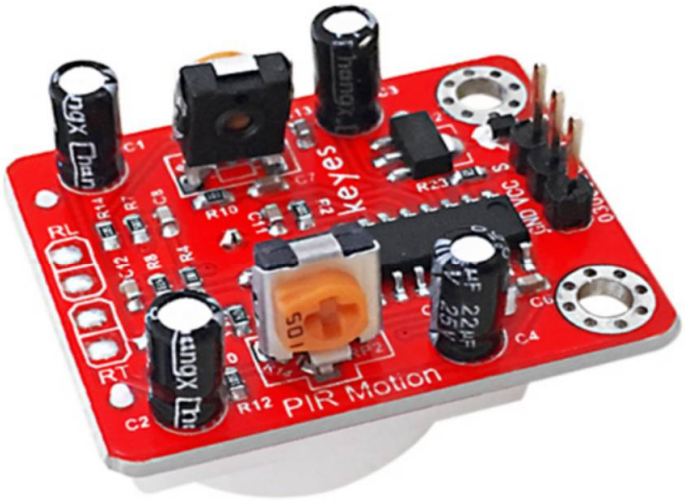
KEYES PIR motion sensor specializes in Arduino. Its connection port is compatible with the Arduino Shield sensor. PIR Motion Sensor-automatic control system based on infrared technology. It has high sensitivity, reliability, ultra-low power consumption, ultra-low voltage operation mode and other characteristics, and are widely used in various kinds of automatic induction electrical equipment, especially battery-powered automatic product management system. The sensor comes with two positioning holes that allow the sensor to be attached to other devices.

Specification:

Operating voltage range: DC 4.5-12 V
Angle detection: <100° cone angle
Operating temperature: -15- + 70°C.
Trigger mode: L non-repeatable trigger / H repeat trigger
Diameter of Lens: 23 mm
Weight: 6.9 grams
Size: 33x 26x 25mm

Pins:

pin	description
OUT	high for detection
VCC, +V	positive
GND	ground




```
//*****start*****
const int PIRSensor=2;
const int ledPin=13;
int sensorValue=0;

void setup() {
  pinMode(PIRSensor,INPUT);
  pinMode(ledPin,OUTPUT);
}

void loop() {
  sensorValue=digitalRead(PIRSensor);
  if (sensorValue== HIGH) {
    digitalWrite(ledPin,HIGH);
  }
  else {
    digitalWrite(ledPin,LOW); }
}
//*****end*****
```