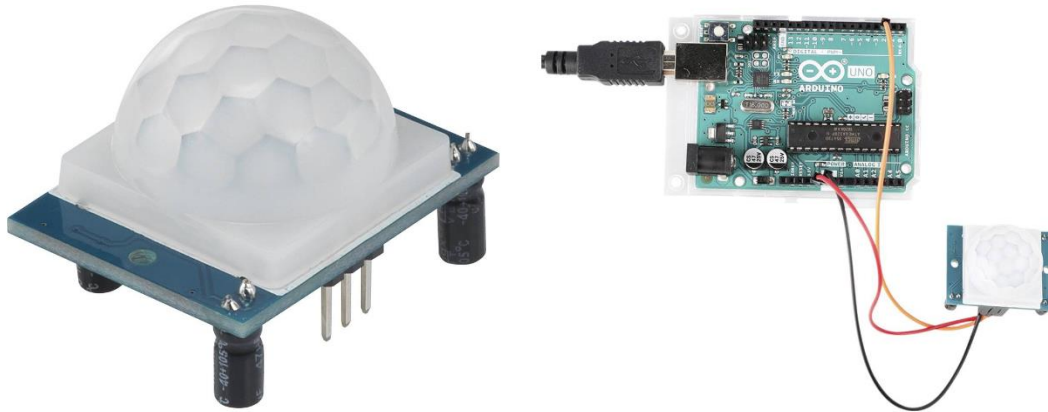


Data Sheet

PIR Motion Sensor



Description

The module is a Passive Infrared Sensor that detects motion. Use HIGH and LOW signals to make decisions in your project. Use the adjustment dials to adjust sensitivity and delay (see Specifications section for details).

Pinout / Pin Map

Pin	Description
OUT	LOW or HIGH signal when motion is detected
VCC	Power
GND	GND

Example Application

The example makes a connected LED light up when motion is detected.

[The instructions use the Arduino® platform to illustrate product use.](#) You can also use an Arduino derivative or another platform that supports this type of product.

Connection

Module	OUT	VCC	GND
Arduino®	2	5 V	GND

Code

```
const int PIRSensor = 2;
const int ledPin = 13;
int sensorValue = 0;
void setup() {
```

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```
pinMode(PIRSensor, INPUT);
pinMode(ledPin, OUTPUT);
}
```

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

Procedure

1. Prepare a sketch with the given code and upload it to your board.
2. Connect the module/component to the board as shown in the connection diagram or table.
3. Connect an LED to pin 13.
4. When motion is detected the LED goes on.

Specifications

Operating voltage	5 V/DC
Adjustments	Sensitivity and delay
Delay time	0.3 - 18 s
Output level	HIGH: 3 V LOW: 0 V
PIR sensor detection distance	0 - 7 m
Detection angle (approx.)	120°
Operating temperature	-15 to +70 °C
Operating humidity	30 - 90 % RH
Storage temperature	-5 to +30 °C
Storage humidity	20 - 75 % RH
Dimensions (approx.)	35 x 20 mm
Weight (approx.)	8 g