XC-4444 PIR Motion Sensor Module

Specifications

	PIR Motion Sensor Module
Delay Time	0.3s - 18s
Logic Voltage	3.3VDC(5V Tolerant)
Operating Voltage%%	5VDC - 20VDC
Dimensions	32(L) x 24(W) x 25(H)
Additional Features	Adjustable sensistivity & delay time
Sensitivity Distance	3~4m and 5~7m
Sensitivity Angle	100 degrees

Pinout

Module	Duinotech	Function
VCC	5V	Power Supply
OUT	D7	Output from Module
GND	GND	Ground Connection

VCC 5-12VDC
OUT (3.3V TTL)
GND

Delay Time Adjust

Distance Adjust

L

H
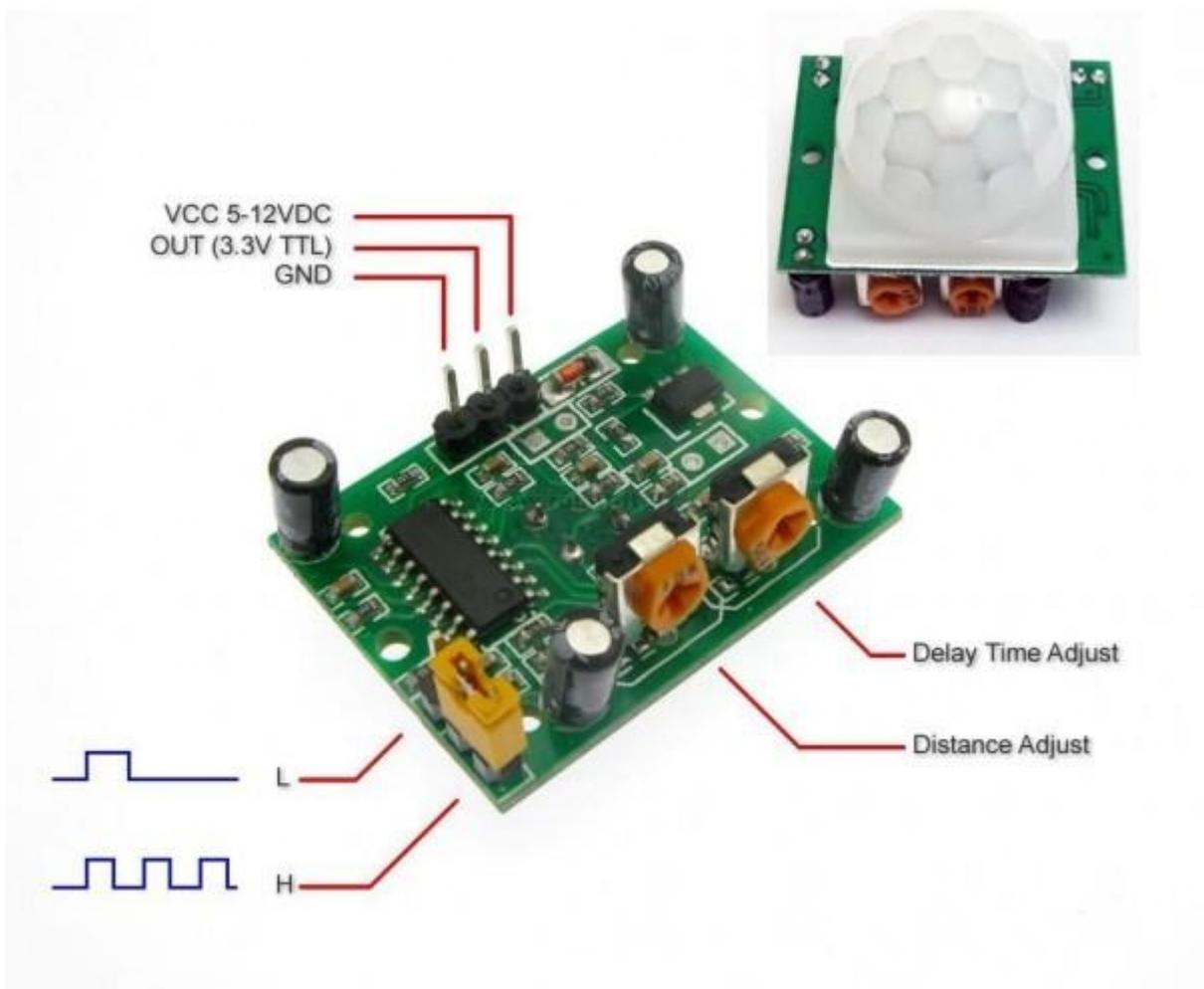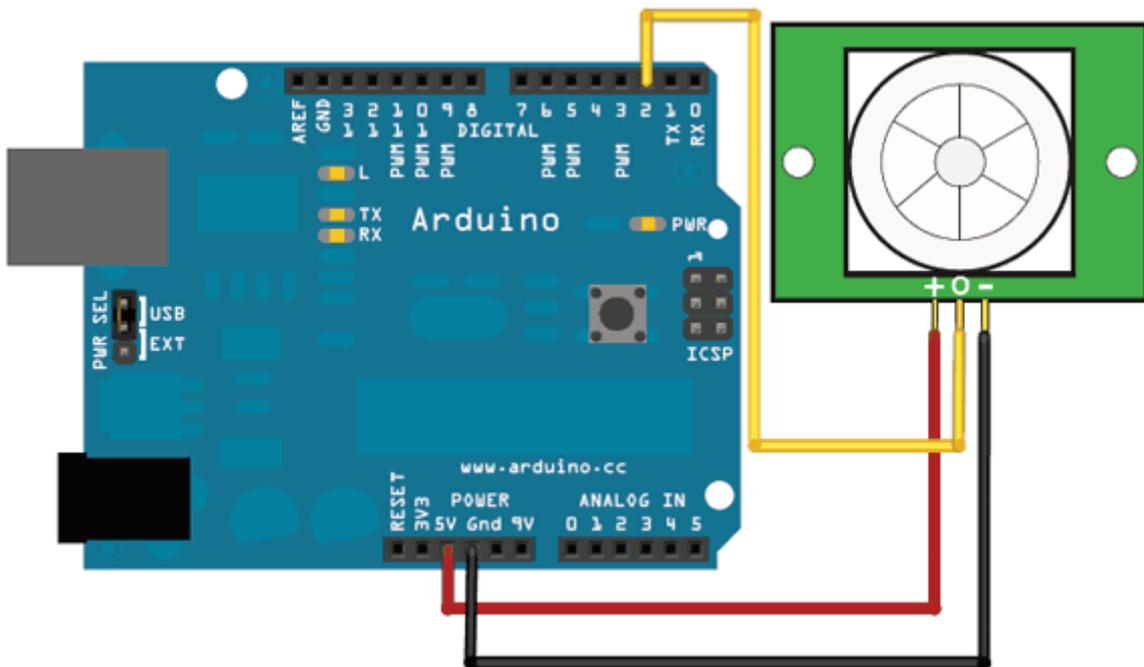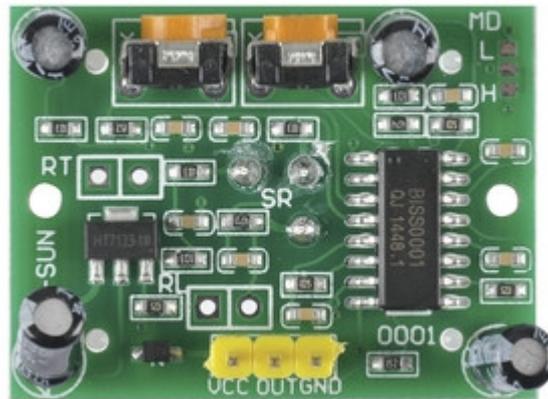
```
/*
 * PIR sensor tester
 */

int ledPin = 13;           // choose the pin for the LED
int inputPin = 2;          // choose the input pin (for PIR sensor)
int pirState = LOW;        // we start, assuming no motion detected
int val = 0;               // variable for reading the pin status

void setup() {
```

```arduino
  pinMode(ledPin, OUTPUT);      // declare LED as output
  pinMode(inputPin, INPUT);     // declare sensor as input

  Serial.begin(9600);
}

void loop(){
  val = digitalRead(inputPin);  // read input value
  if (val == HIGH) {            // check if the input is HIGH
    digitalWrite(ledPin, HIGH);  // turn LED ON
    if (pirState == LOW) {
      // we have just turned on
      Serial.println("Motion detected!");
      // We only want to print on the output change, not state
      pirState = HIGH;
    }
  } else {
    digitalWrite(ledPin, LOW); // turn LED OFF
    if (pirState == HIGH){
      // we have just turned of
      Serial.println("Motion ended!");
      // We only want to print on the output change, not state
      pirState = LOW;
    }
  }
}
```