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- [Log in](#)



- [Home](#)
- [Store](#)
- [Community](#)
- [Wiki](#)
- [Forum](#)

-
-

Views

- [Page](#)
- [Discussion](#)
- [View source](#)
- [History](#)

Digital Infrared motion sensor (SKU:SEN0018)

From Robot Wiki

Contents

- [1 Introduction](#)
- [2 Specification](#)
- [3 Pin Definition](#)
- [4 Connection Diagram](#)
- [5 Sample Code](#)

Introduction

This is a simple to use motion sensor. Power it up and wait 1-2 seconds for the sensor to get a snapshot of the still room. If anything moves after that period, the 'alarm' pin will go low.

Specification

- Type: Digital
- Supply Voltage:3~5V
- Current:50μA
- Working temperature:0℃~+70℃
- Output level(HIGH):4V
- Output level(LOW):0.4V
- Detect angle:110 Degree
- Detect distance:7 meters
- Size:28mm×36mm
- Weight:25g

Pin Definition

- +:Power 5V
- -:GND
- OUT:Digital Signal Out

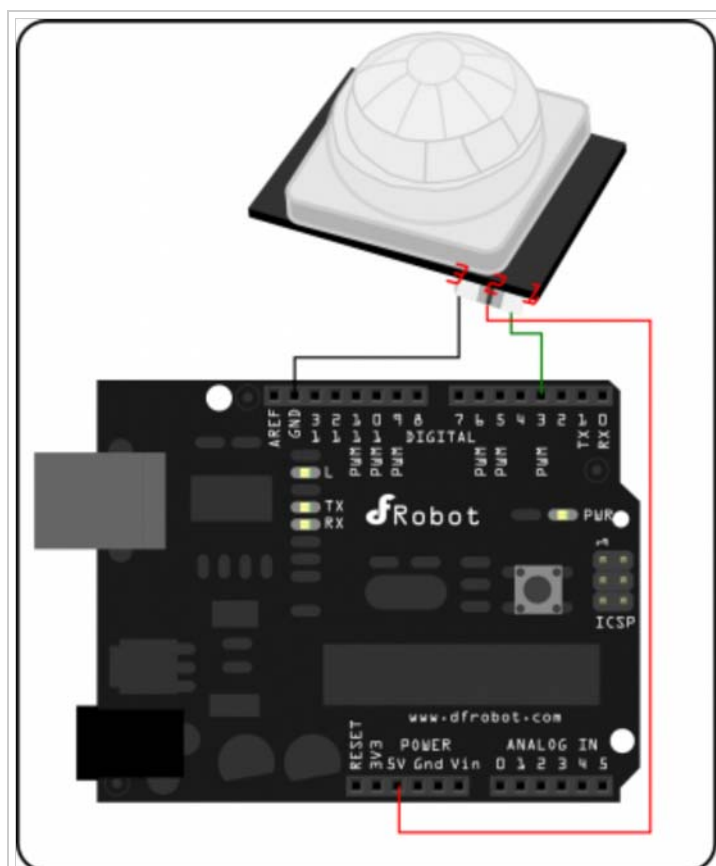
For DFRobot Version

- 1:Digital Signal Out
- 2:VCC (5V)
- 3:GND



Digital Infrared motion sensor
(SKU:SEN0018)

Connection Diagram



Motion sensor Connection diagram

Sample Code

```
?
1
2 /*
3 plug infrared motion sensor on digital port 3. If signal is detected, digitalRead
4 will be high. Switch the resistor backward to adjust the sensitivity as you want.
5 */
6 void setup()
7 {
8   Serial.begin(9600);
9 }
10
11 void loop()
12 {
13   Serial.println(digitalRead(3));
14   delay(100);
15 }
```

➔ Go Shopping Digital Infrared motion sensor (SKU:SEN0018) (http://www.dfrobot.com/index.php?route=product/product&keyword=sen0018&category_id=0&description=1&model=1&product_id=119)

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