

UNIVERSITY OF SCIENCE - VNUHCM

Faculty of Information Technology

INTERNET OF THINGS

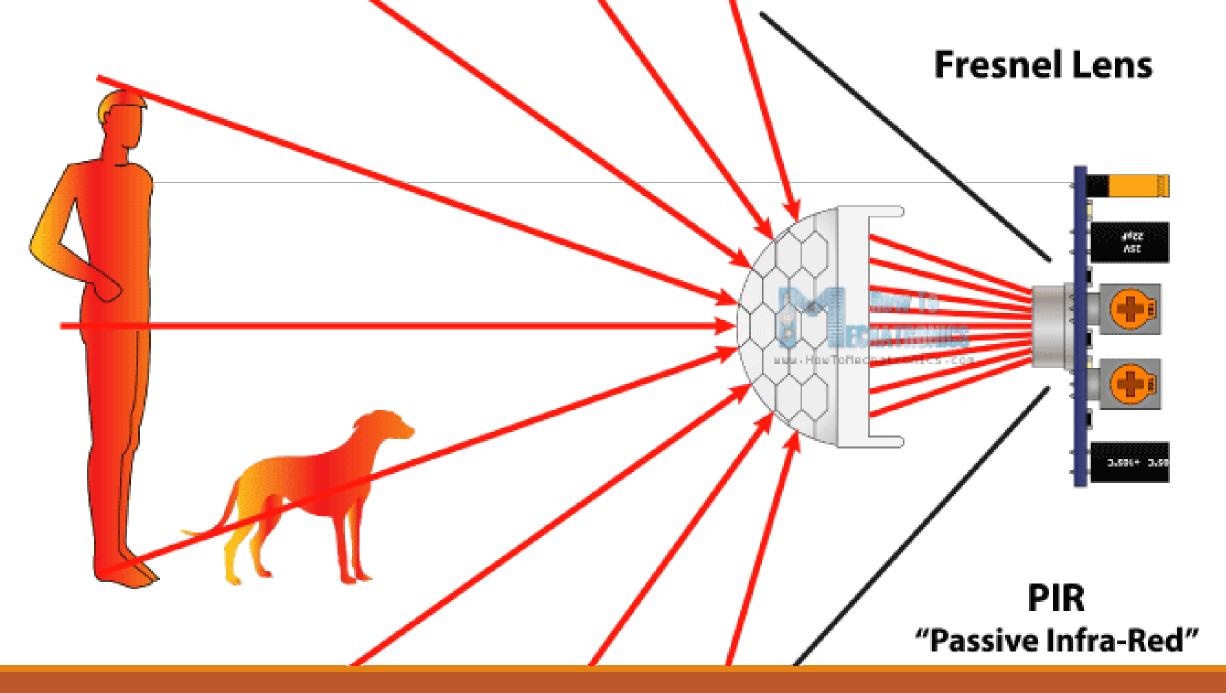
1.8

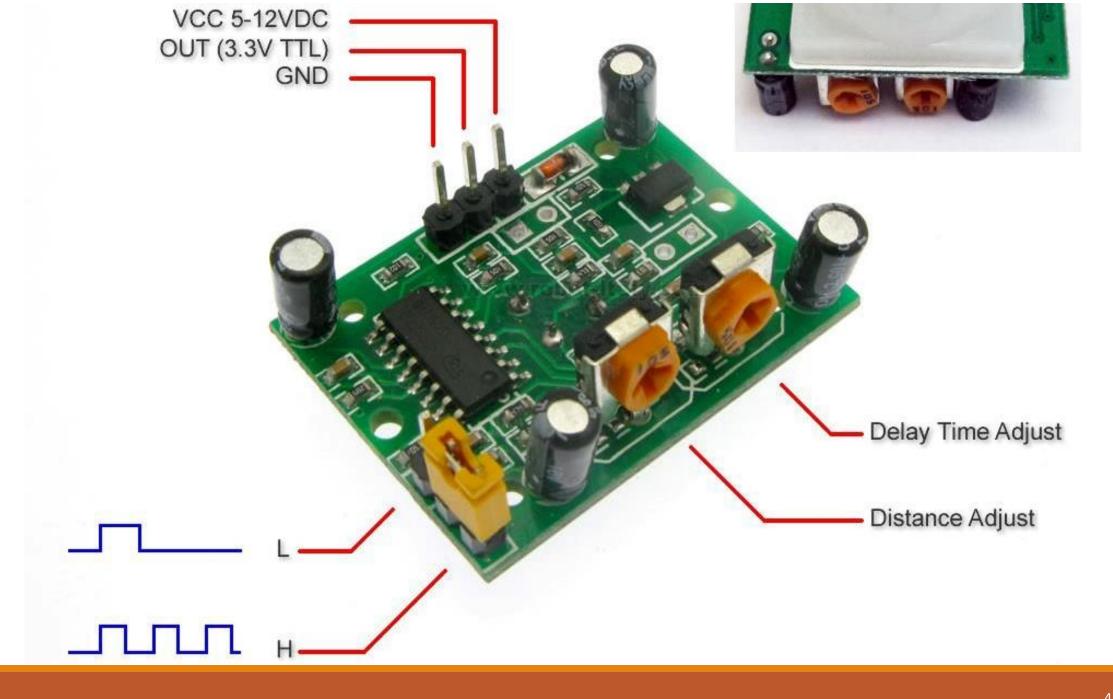
PIR MOTION SENSOR

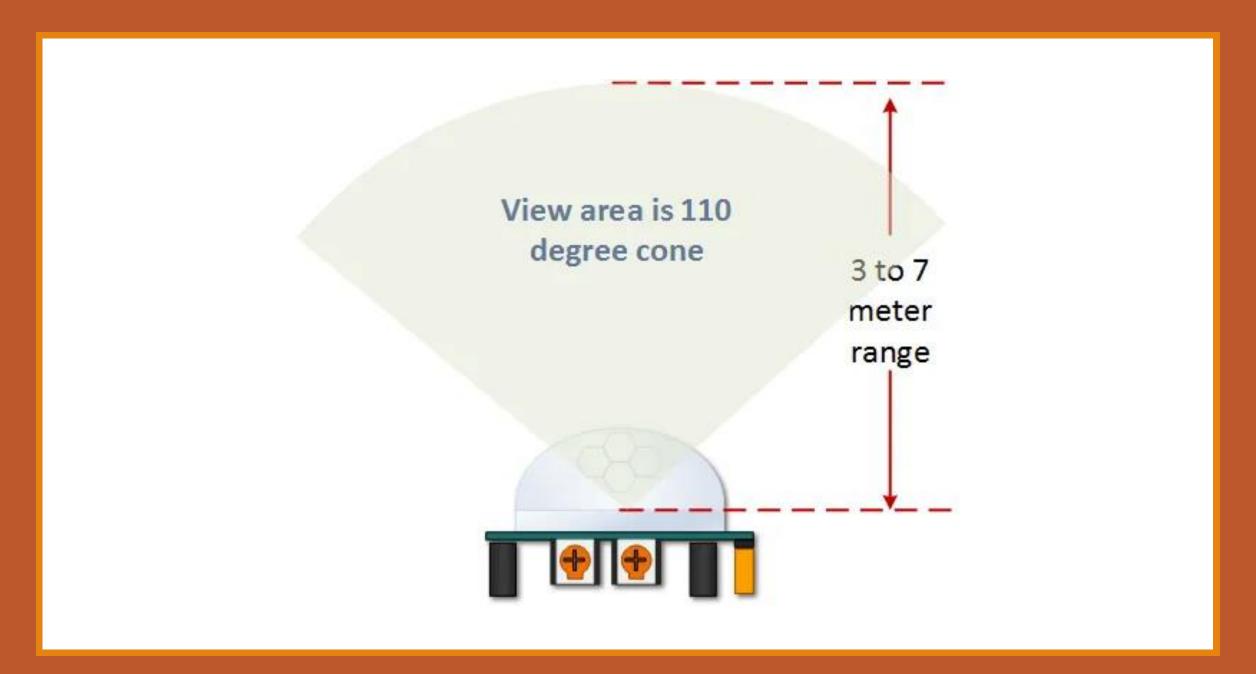


PIR MOTION SENSOR HC-SR501

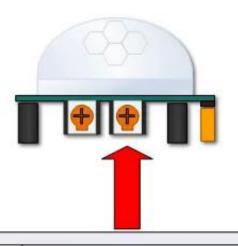


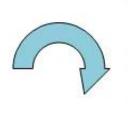






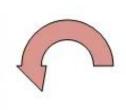
Distance Adjustment





Clockwise or Right

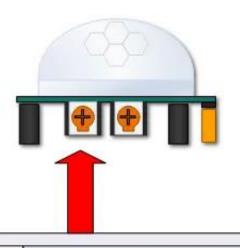
Decreases Sensitivity. Fully right and the range will be approximately 3 meters



Counter-Clockwiser or Left

Increases Sensitivity. Fully left and the range will be approximately 7 meters

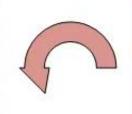
Delay Time Adjustment





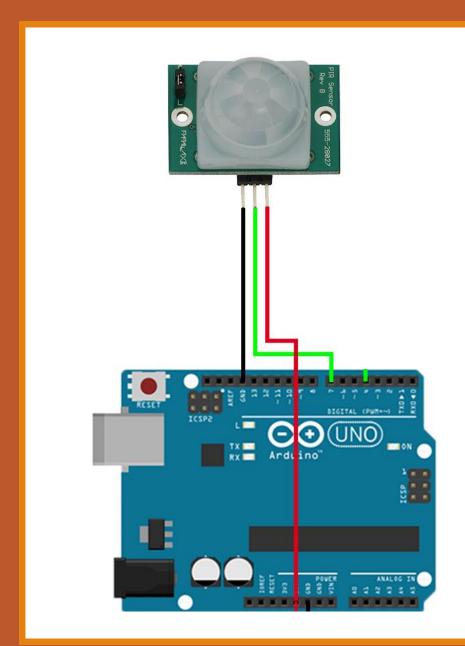
Clockwise or Right

Increase Delay. Fully right and the delay will be approximately 5 minutes



Counter-Clockwiser or Left

Decreases Delay. Fully left and the delay will be approximately 3 seconds



PIR	Arduino
VCC	5v
GND	GND
OUT	7

```
int pir_pin = 7;
void setup(){
  pinMode(pir_pin, INPUT);
  Serial.begin(9600);
void loop(){
  int value = digitalRead(pir_pin);
  Serial.println(value);
  delay(100);
```



Anti-theft system

When it gets dark, if the system detects motion, turn on the light and play an alarm. Otherwise, do nothing.