

# PIR Motion Sensor Module:DYP-ME003 SEN005



[DYP-ME003](#) is a PIR Motion sensor module, and its sensitivity is adjustable and based on BISS0001([datasheet](#)) PIR motion detector IC which was widely used in:

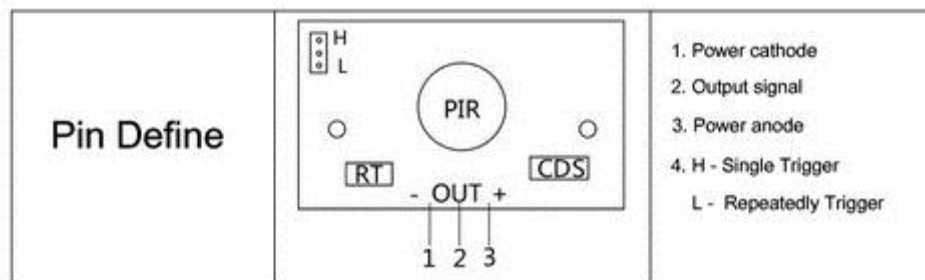
.security Products

.the human body sensors toys

.the human body sensor lighting

.industrial automation and control, etc.

We have some in stock and you can get from [here](#). So we did some tests on this module, as following. Frist, connected with arduino mainboard, there are just 3 pins on [DYP-ME003](#). You can connect ECHO ( output signal) with any digital pin on mainboard, and read the value of this pin, if any people moved in the front , it will return HIGH value.

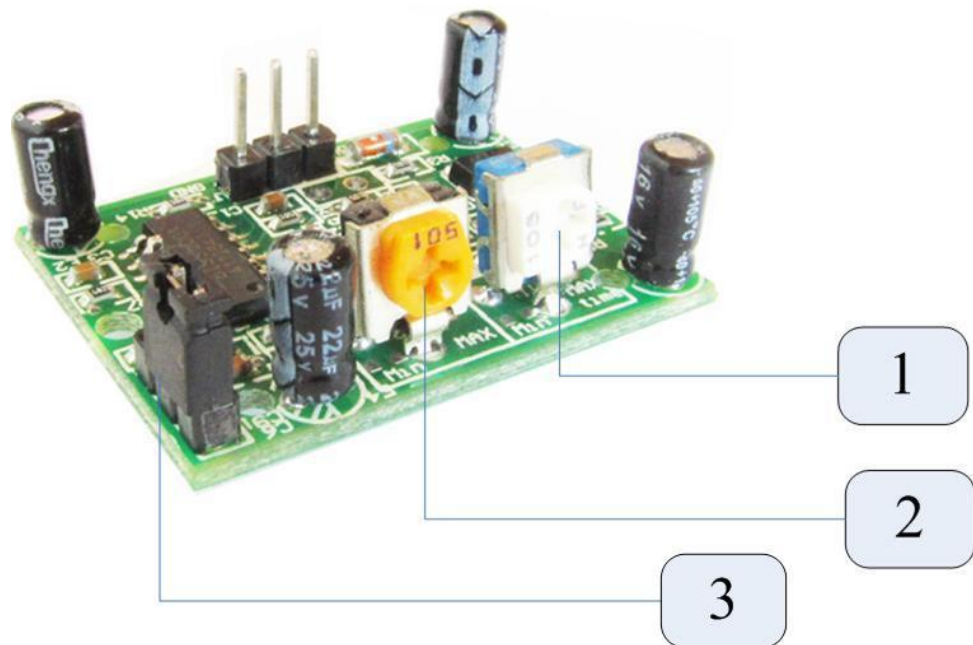


Ok, let us see some features about the module, specification [here](#).

As the specification shows, the maximum detection range is 7 meter and the minimum delay time is 5 seconds. So, we actually test it in default status. Finally, the maximum detection range is 3.5 meters. We

adjust tag 2 potentiometer (as the following picture shows) clockwise, detection range up to 7 meters. The other potentiometer tag 1(as the following picture shows) is used to adjust delay time for ECHO high duration, the minimum duration is about 4~5s and maximum duration is about 300s which match to specifications.

**Tag 1:** Delay Time potentiometer **Tag 2:**Distance potentiometer **Tag 3:** Trigger mode jumping



The photosensitive control, I think it not widely use, we test the module both the day and night. We find the influence of light is not very clear.

Twice trigger mode, this very interesting. once trigger mode couldn't repeat the trigger, the another could repeatable trigger,you can select by tag 3 jumping.

These modes should satisfy the most people 's needs

Input Voltage: DC 4.5-20V

Static current: 50uA

Trigger:H-Yes, L-No

Block time: 2.5 S(default)

Delay time: 5 S(default)

Sentry Angle:< 110 degree

Sentry Distance:3 m(default) - max 7 m

Lens Size:Diameter: 23mm(Default)

Dimensions: 32mm x 24mm