

## PIR MOVEMENT SENSOR BOARD WITH EASYC



**Weight** 5,02 g

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### DESCRIPTION

A PIR (passive infrared) motion sensor is a device that detects physical movement within its field of vision by sensing changes in infrared radiation. This sensor works on the principle of detecting thermal signals emitted by objects, mostly warm-blooded creatures like humans. The "passive" in the name refers to the fact that the sensor itself does not emit or radiate any energy for detection.

When it detects motion, the sensor sends a digital signal to the microcontroller. The angle that the sensor "sees" is 100 degrees and reaches up to 5 meters. It is often used in a variety of applications, including home security systems, automatic lighting, and energy management, among others.

Our breakout board simplifies the use of the PIR sensor by using easyC technology, making it easily connectable with microcontrollers or other circuits. It accepts input from the PIR sensor and translates it into signals that your microcontroller can interpret. In addition to the aforementioned PIR sensor, the board also contains a small ATTiny404 microcontroller, as well as a switch for selecting the I2C address. This breakout board comes with 2 easyC connectors for easy integration into the easyC system. If you do not wish to use easyC, the module can also be used via standard headers.

### FEATURES

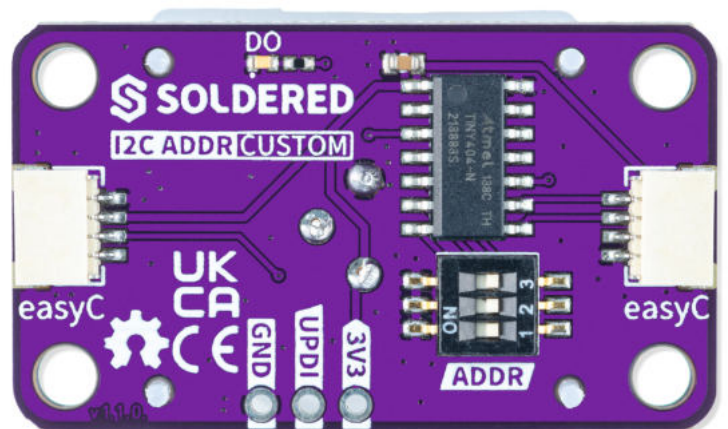
- Voltage: 2.7-12V
- Delay: 2s
- Sensing range: angle up to 100 degrees, 3-5 meters
- PIR sensor PN: AM312
- Microcontroller: ATTiny404
- easyC connectors

- Dimensions: 38 x 22 mm / 1.5 x 0.9 inch

## USEFUL LINKS

- [Arduino Library](#)
- [Datasheet](#)

## OTHER IMAGES





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