

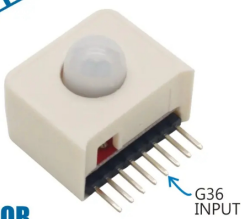


# THE DATASHEET OF U054

PIR HAT



SENSOR  
AS312



Description

Hat PIR is an MSStickC compatible human body induction sensor, it belongs to "Passive pyroelectric infrared detector", that detect the infrared come from the human body. When the infrared is detected, the sensor will output HIGH and last for two seconds until the next detecting round.

Notice: There exist 2 seconds delay

Product Feature

Detecting Range: 500cm  
Delay time: 2s  
Induction Angle: < 100°  
IDDQ: < 60uA  
Op.T: -20 ~ 80 °C

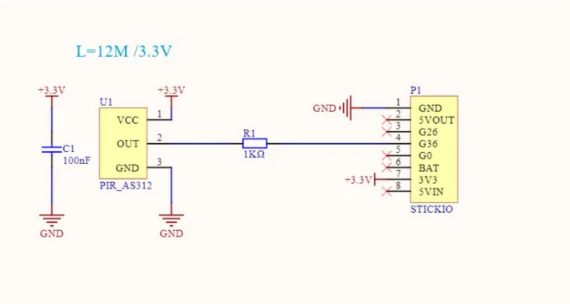
package Includes

1x PIR.Hat

Applications

Human body induction lamp  
Security product  
Auto-induction

Schematic



EasyLoader

EasyLoader is a concise and fast program writer, which has a built-in case program related to the product. It can be burned to the main control by simple steps to perform a series of function verification. Please install the corresponding driver according to the device type. MSStickC host [Please click here to view the CP210X driver installation tutorial](#), MSStickC/V/T/ATOM series can be used without driver)

Example

UTFlow

Open <http://flow.msstack.com> and click Demo to load

UiFL68 V1.4.3

Project

Blockly

Python

VER

CODE

INFO

BACK

FORWARD

PLAY

MENU

### Examples

PIR Hat

ENV Hat

SPK Hat

NCIR Hat

DAC Hat

ADC Hat

BeetleC

Finger

PuppyC

Servo

YUN

### PIR Hat

ModeA : Someone come closer a display will show content on the screen. The screen will turn off when detected nobody.

ModeB: Continuously display content on screen.

ButtonA: Switch MODE

Load

Arduino

Please click [here](#) to get complete code

Pin Map

|          |        |    |     |
|----------|--------|----|-----|
| MSStickC | GPI036 | 5V | GND |
| HAT PIR  | OUT    | 5V | GND |

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View U054](#) on WIN SOURCE
-  [M5Stack Technology Co., Ltd.](#) Information

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