PIR SKU:U004

Description

PIR is a human body infrared unit. It belongs to the "passive pyroelectric infrared detector". It detects the infrared radiation emitted and reflected by the human body or object. When infrared is detected, the output level is high and it takes a while. Delay (high during the period and allow repeated triggers) until the trigger signal disappears (restores low).

This Unit communicates with the M5Core via the GROVE B.

Notice: This Unit has 2s delay time.

Product Features

Detects the distance: 500cm
latency time: 2s
Sensing range: < 100°
Quiescent current: < 60uA
Operating temperature: -20 - 80 °C
GROVE interface,   support   UIFlow and   Arduino
Two Lego installation holes

Include

1x PIR unit
1x GROVE Cable

Applications

Human body Induction Lamp
Security Product
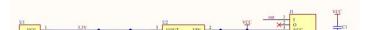Automatic Induction Appliance Settings

Specification

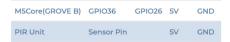| Resources	Parameter
net weight	5g
Gross weight	20g
Product Size	32*24*12mm
Package Size	60*57*17mm

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. M5Core host Please click here to view the CP210X driver installation tutorial, M5StickC/V/T/ATOM series can be used without driver)

Schematic

PinMap

M5Core(GROVE B)	GPIO36	GPIO26	5V	GND
PIR Unit	Sensor Pin		5V	GND

Example

1. Arduino IDE

The code below is incomplete. To get complete code, please click here

2. UIFlow

To get complete code, please click here