



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.

Feature

- Detects the distance: 500cm
- latency time: 2s
- Sensing range: < 100°
- Quiescent current: < 60uA
- Operating temperature: -20 - 80 °C
- GROVEinterface, support [UIFlow](#) and [Arduino](#)
- Two Lego installation holes
- Product Size: 32.2mm x 24.2mm x 20mm
- Product weight: 4.9g

Include

- 1x PIR unit
- 1x GROVE Cable

Applications

- Human body Induction Lamp
- Security Product
- Automatic Induction Appliance Settings

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)

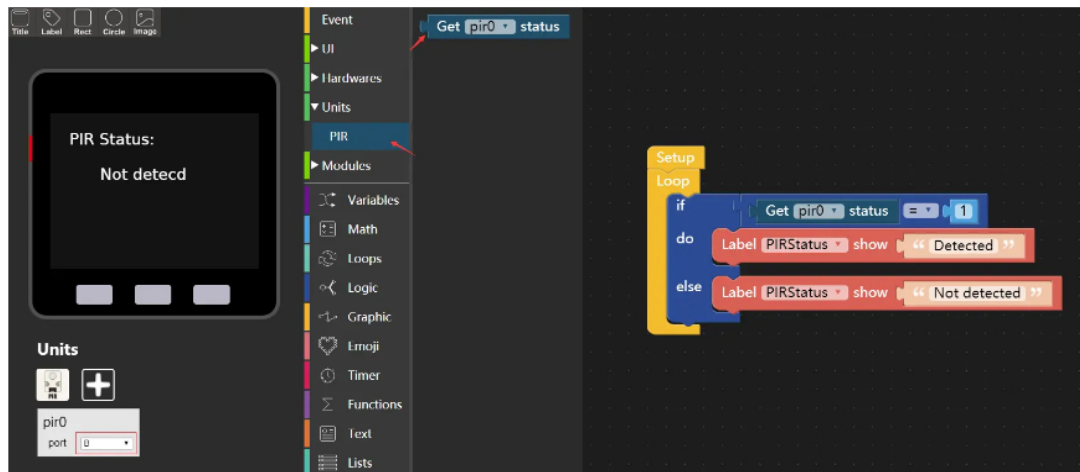
Example

1. Arduino IDE

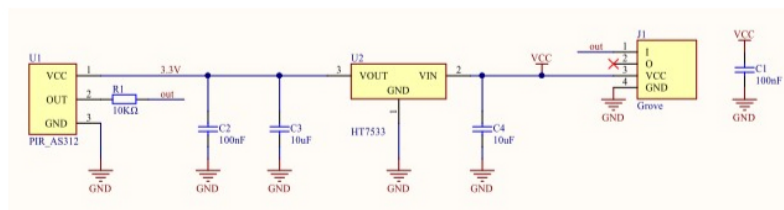
The code below is incomplete. To get complete code, please click [here](#)

2. UIFlow

To get complete code, please click [here](#)



Schematic



PinMap

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