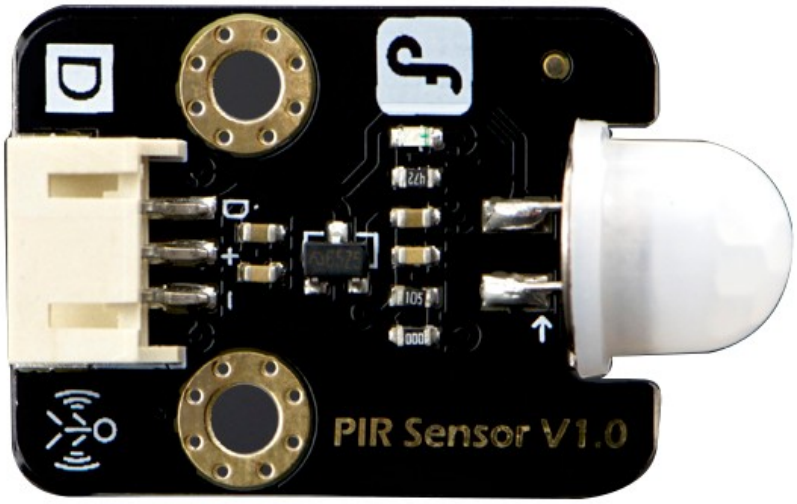
RB-Dfr-566
PIR Motion Sensor Arduino Compatible



PIR sensors allow you to sense motion, almost always used to detect whether a human has moved in or out of the sensors range. They are small, inexpensive, low-power, easy to use and don't wear out. For that reason they are commonly found in appliances and gadgets used in homes or businesses. They are often referred to as PIR, "Passive Infrared", "Pyroelectric", or "IR motion" sensors.

This PIR (Motion) Sensor can detect the infrared signals from the person or animals which are moving, and can output the switching signals. So it can be applied to a variety of occasions which need to detect the movement of the human body. Conventional pyroelectric infrared sensors require body pyroelectric infrared detector, professional chip, complex peripheral circuit, so the volume is slightly big, circuit is complex, and reliability is slightly lower. We bring this new pyroelectric infrared motion sensor which is specially designed for Arduino to you, an integrated digital body pyroelectric and infrared sensor, with small size, high reliability, low power consumption, and simple peripheral circuit.

Applications

- Moving human detection
- Occupancy detection
- Security system

Specifications

- Input Voltage: 3.3 ~ 5V, 6V Maximum
- Working Current: 15uA
- Working Temperature: -20 ~ 85 ℃
- Output Voltage: High 3V, low 0V
- Output Delay Time(High Level): About 2.3 to 3 Seconds
- Detection angle: 100 °
- Detection distance: 7 meters
- Output Indicator LED(When output HIGH,it will be ON)
- Pin limit current: 100mA
- Connection Interface: PH2.0-3
- Module size: 30mm × 22mm

Compatiblility

- Arduino UNO
- Arduino Due
- Rassperry Pi