

PIR Motion Detector Module



Item No.: SB00322A-1

General

SB00322A-1 is the latest digital sensor module which developed for human body detection. A digital PIR sensor combined with a fresnel lens is mounted on a compact size PCB, and resistance.IC is not needed any more. Digital output improve the performance.

Features and Electrical Specification

Compact size: 8*10 mm

Supply current: DC3.8V-24V

Current drain :< 1mA

Voltage Output: High/Low level signal, 3V

Digital output

High sensitivity

Delay time: 2S

Blockade time: 2S

Operation Temperature: -20-60°C

Infrared sensor: dual element, low noise, high sensitivity

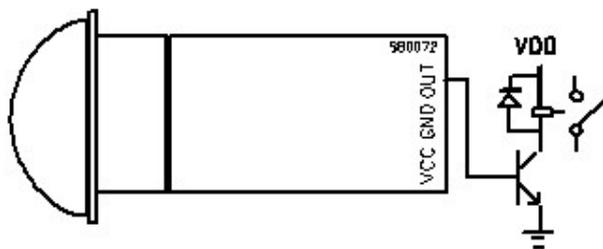
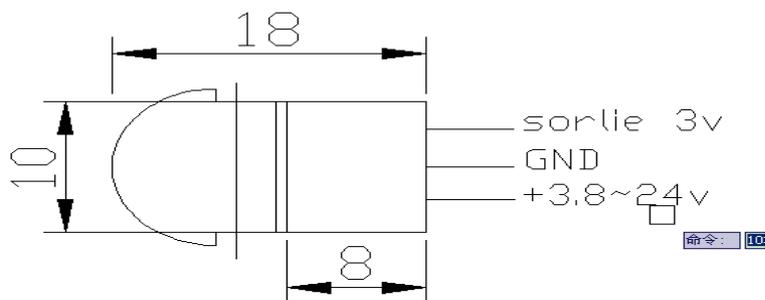
Detecting length:3-5m

Detecting Angle:110degree

Lens information

Lens diameter: 13.5mm (default), detecting angle \leq 120 $^{\circ}$ C, detecting range<5M.

Application Note



Note

Due to the high sensitivity of PIR sensor device, it is not recommended to use the module in the following or similar condition.

- A) in rapid environmental changes
- B) in strong shock or vibration
- C) in a place where there are obstructing material (eg. glass) through which IR cannot pass within detection area.
- D) exposed to direct sun light
- E) exposed to direct wind from a heater or air condition