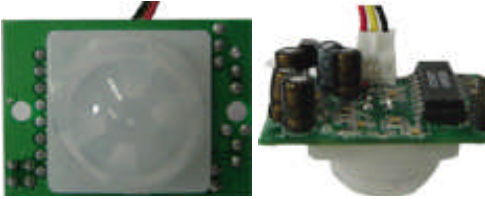


## PIR Motion Detector Module



Motion detector module uses a motion detector IC and PCB mounted Fresnel lens.

**Item: SB0061**

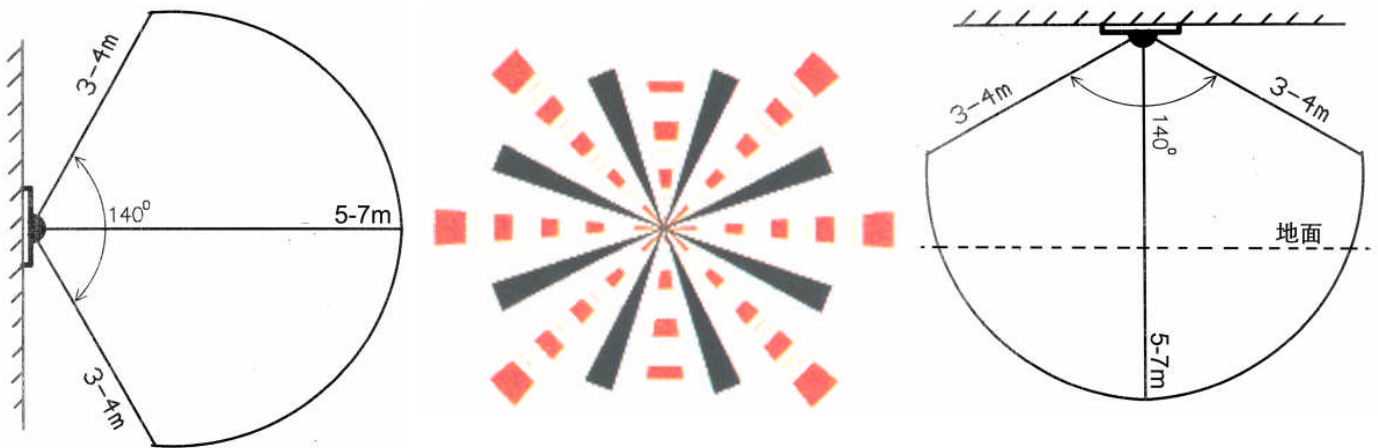
### General

SB0061 is a pyroelectric sensor module which developed for human body detection. A PIR detector combined with a fresnel lens are mounted on a compact size PCB together with an analog IC, SB0061, and limited components to form the module. High level output of variable width is provided.

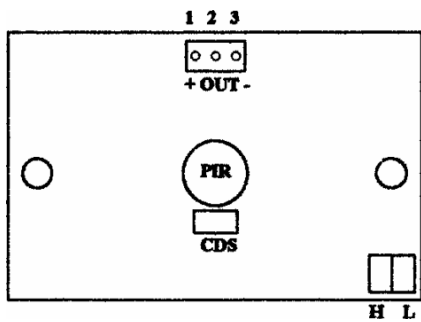
### Features and Electrical Specification

Compact size (28 x 38 mm)  
Supply current: DC5V-20V(can design DC3V-24V)  
Current drain :< 50uA  
(Other choice: DC0.8V-4.5V; Current drain: 1.5mA-0.1mA)  
Voltage Output: High/Low level signal : 3.3V  
(Other choice: Open-Collector Output)  
TTL output  
High sensitivity  
Delay time: 5s-18 minute  
Blockade time: 0.5s-50s (acquiescently 0 seconds)  
Operation Temperature: -15°C -70°C  
Infrared sensor: dual element, low noise, high sensitivity  
Light sensor: CdS photocell (can be add as customer requirement)

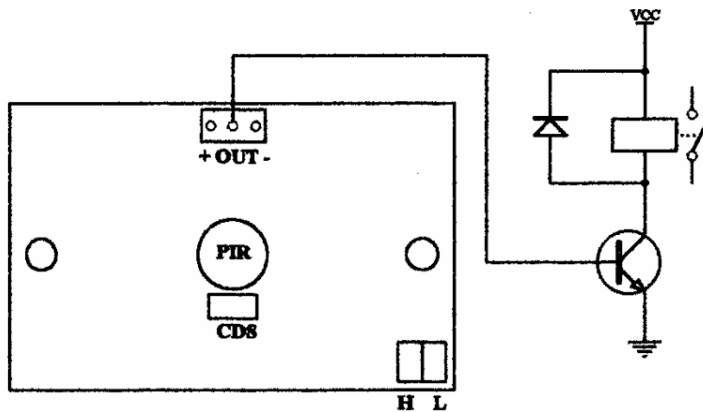
### Lens information



## Application Note



1. Power anode
  2. Output: High level signal
  3. Power cathode
- H: Can be spring repeatedly  
L: Can not be spring repeatedly  
CDS: Photocell



## 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