

DP-PIR8002

(PIR Sensor Module)

General

DP-PIR8002 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, BISS0001, and limited components to form the module. High level output of variable width is provided.

Feature

Compact size (25 * 35mm)

Wide range of operation voltage 4-12V

Special output pulse width can be requested

TTL output can be directly connected to micro controller or logic device

High sensitivity

High RFI immunity

Power up delay 25sec

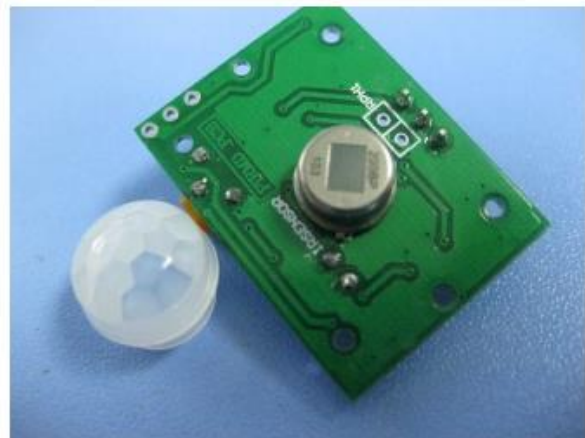
Electrical Specification

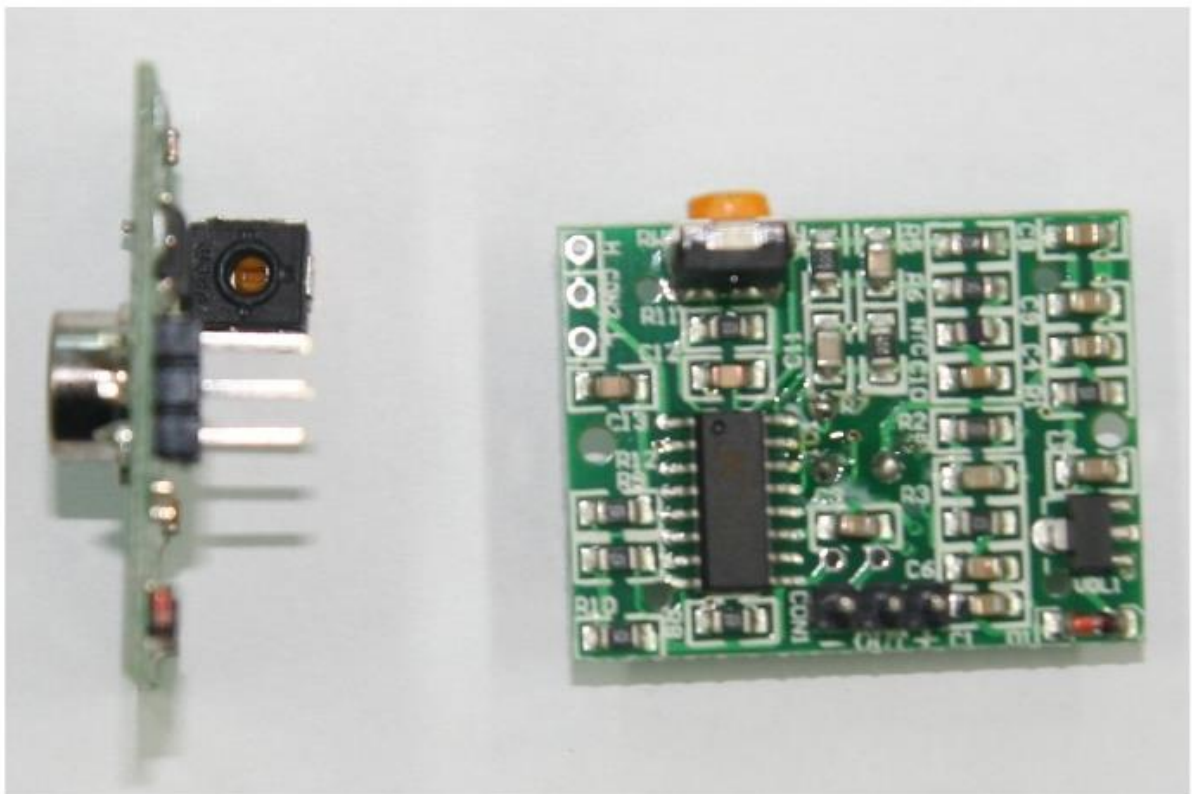
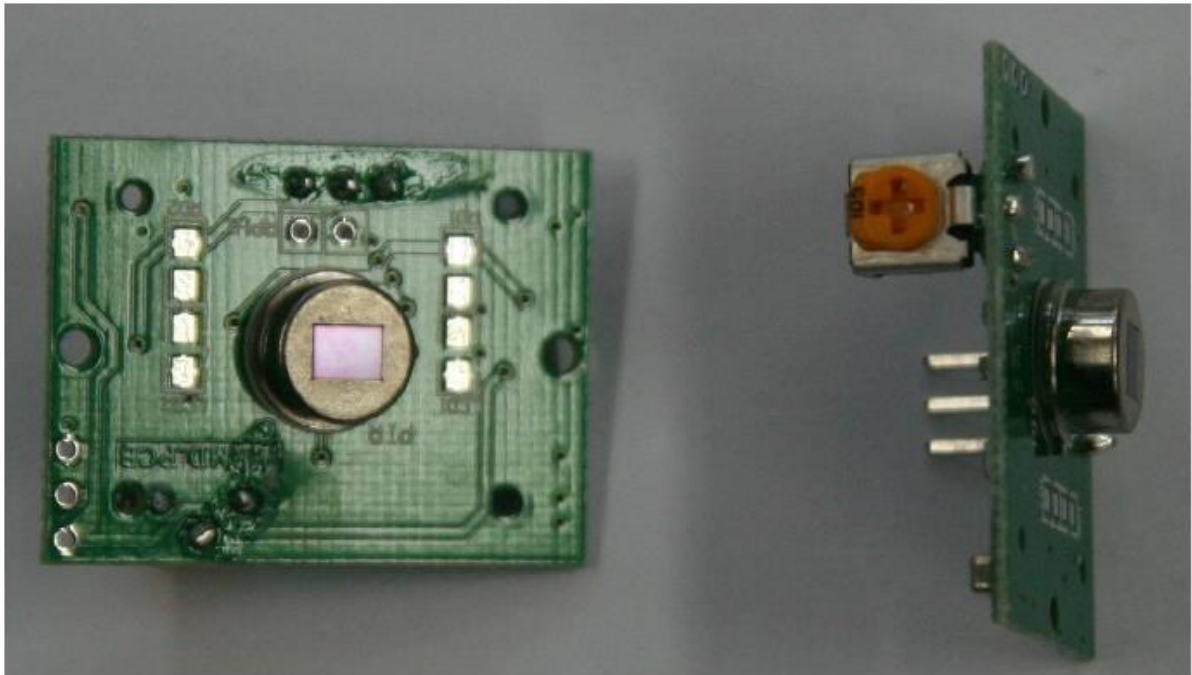
Operation Voltage	4 - 12V
Operation Current	400μA at 3.3V
PIR Input Gain	68dB
Output Pulse Width	0.5sec min
Operation Temperature	-20°C ~ 50°C

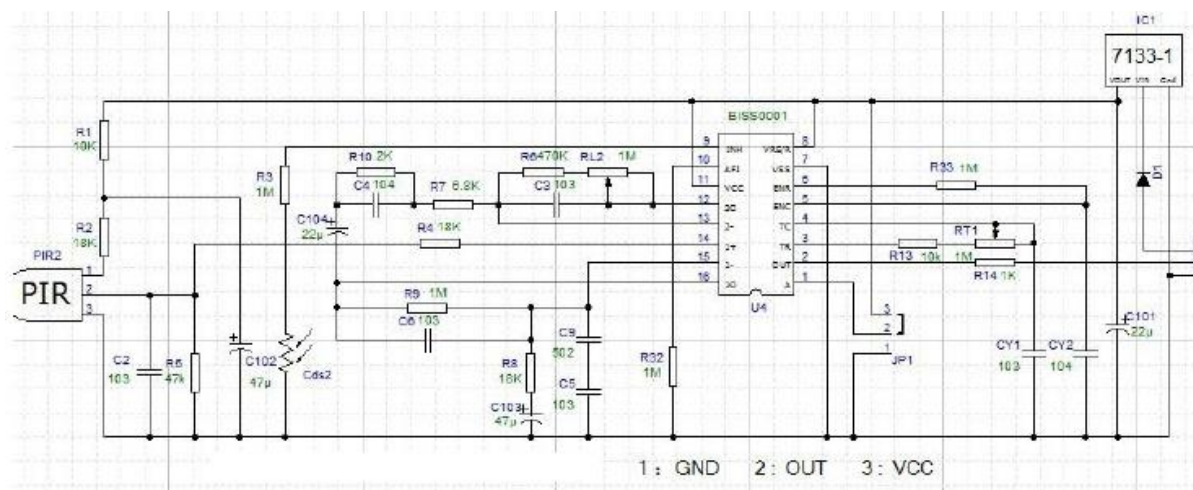
Note

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

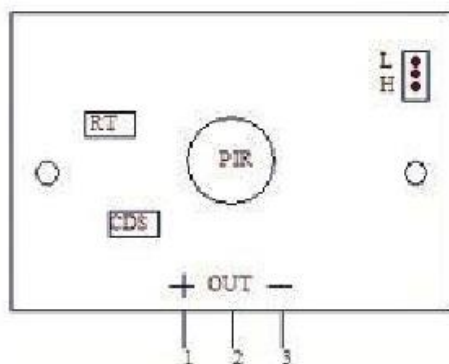
- a) In rapid environmental changes
- b) In strong shock or vibration
- c) In a place where there are obstructing material(eg. Glass) thorough which IR can not pass within detection area.
- d) Exposed to direct sun light
- e) Exposed to direct wind from a heater or air conditioner.



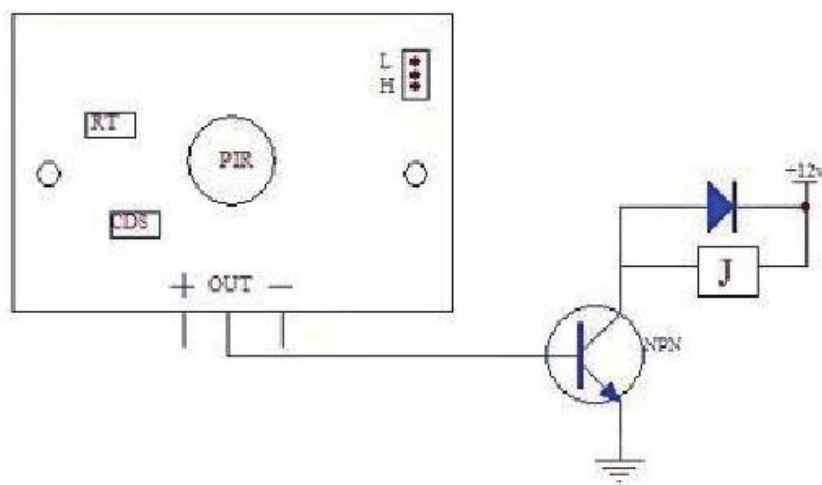




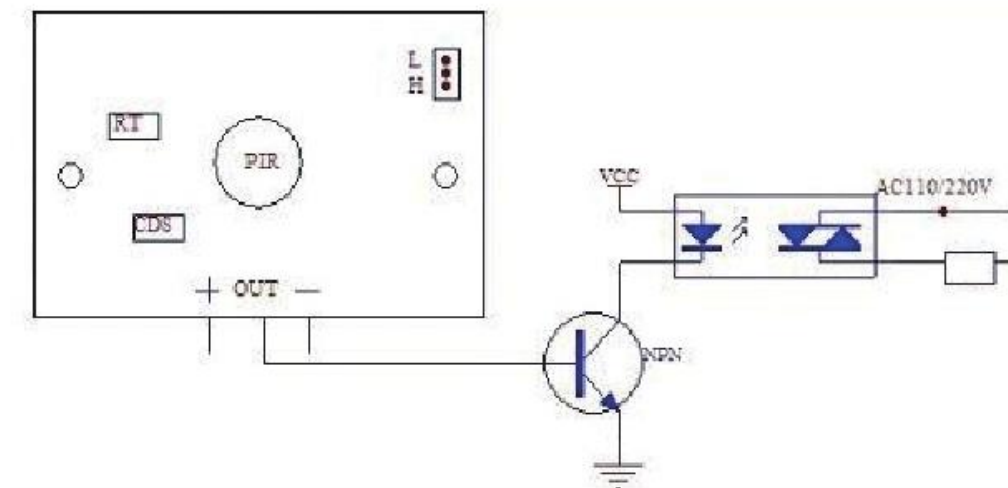
Module out-connect diagram



DC load circuit diagram



AC load circuit diagram



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