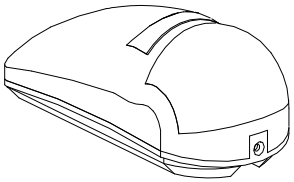
PIR & GLASS BREAK DETECTOR INSTRUCTION

FEATURE:

- Double detecting method
- SMD technology
- Pulse width adjustable
- Sensitivity adjustable
- Automatic temperature compensation
- convenient mounting



AVOID FOLLOWING LOCATIONS:

1 . Facing direct sunlight;

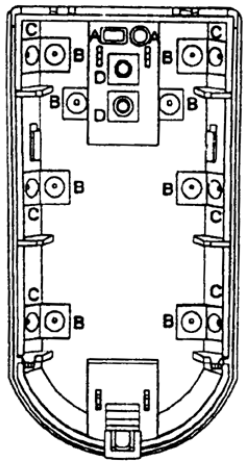
2 . Facing area temperatue change obviously;

3 . Facing metal door.

MOUTING THE DETECTOR

The detector can either be wall or corner mounted.

1. To remove the front cover, insert a flat screwdriver in the slot between the front and bottom above the holding screw hole and push it gently until the front cover is disengaged and the opening click is heard.
2. Remove the PCB by spread out the two tabs located on the either side of the board.
3. Break out the desired holes for proper wiring. (like the following fig.)



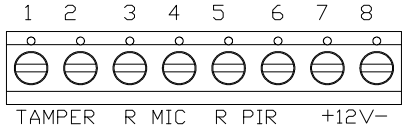
A wire hole

B use for wall mounted

C corner mounted

D for bracket mounted

4. Insert the wire through the wire access hole and mount the detector base to the wall, corner or ceiling with screws and the suitable bracket.
5. Reinstall the PCB by pressing it on the appropriate position of the base.
6. Wiring connection is via the terminal block located On the PCB.(like following fig.)



7. Replace the front cover until the closing click is heard.

Terminal output

- Terminal 1&2—marked ”TAMPER”

If a tamper function is required, connect these terminals to the control unit. When the front cover of the detector is opened, an immediate alarm signal will be sent to the control unit.

- Terminal 3&4—marked ”R MIC”

These are the output terminal contacts of the MIC detector .

- Terminal 5&6—marked ”R PIR”

These are the output terminal contacts of the PIR detector

- Terminal 8— -

Connect to the negative polarity

- Terminal 7— +

Connect to the positive polarity

Jumper adjustment

JP1—SHOCK/ GLASS adjustment

SHOCK—the setting is for low frequency adjustment with the help of potentiometer;

GLASS—the setting is for high frequency adjustment with the help of potentiometer;

OFF —this setting is for work.

JP2—LED indication alarm

ON —LED enable

OFF—LED disable

JP3—Pusle width adjustment

AUTO—output pulse is 8s

PULSE—output pulse is 4s

WALK TEST:

Switch on 12V/DC power, after 45s the product is in the working state.

1) open the front cover, JP2 set ON, JP3 set AUTO:
2) reinstall the front cover;
3) walk slowly in the detection range.
4) Observe the red led lights when motion is detected, after 2S it goes out;
5) Allow 5 sec between each test for the detector to stablize;
6) After testing, you can set LED jumper to OFF position.

SPECIFICATIONS:

Power supply: 9~16VDC

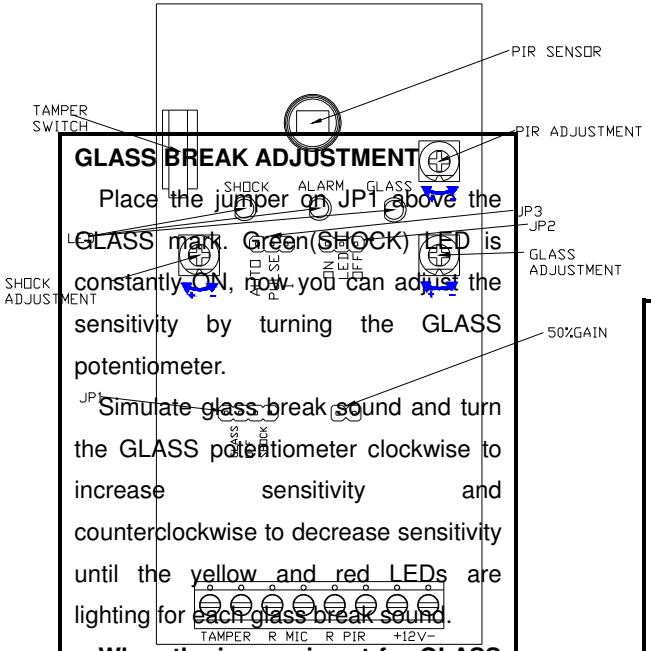
Detecting distance： PIR 10m

GLASS 5~6m

Detecting angle：105°

Warm-up time：30S

Current：standby：14mA



GLASS BREAK ADJUSTMENT

Place the jumper on JP1 above the GLASS mark. Green(SHOCK) LED is constantly ON, now you can adjust the sensitivity by turning the GLASS potentiometer.

Simulate glass break sound and turn the GLASS potentiometer clockwise to increase sensitivity and counterclockwise to decrease sensitivity until the yellow and red LEDs are lighting for each glass break sound.

When the jumper is set for GLASS adjustment, only the hight frequency sound of glass breaking is detected.

working：22 mA

Alarm time:2s,4s

Alarm output：0.1A/28VDC

tamper switch：0.1A/28VDC

humidity：95%MAX

operation temperature： -20^0C~50^0C

LED： yellow glass breaking signal

red alarm signal

green shock signal

SHOCK ADJUSTMENT

Place the jumper on JP1 above the SHOCK mark. yellow(GLASS) LED is constantly ON, now you can adjust the sensitivity by turning the SHOCK potentiometer.

Hit gently on the protected glass and turn the SHOCK potentiometer clockwise to increase sensitivity and counterclockwise to decrease sensitivity until the green and red LEDS are lighting for each glass break sound.

When the jumper is set for SHOCK adjustment, only the low frequency of the shock signal prior to glass breaking is detected.

You can adjust PIR sensitivity with PIR adjustment potentiometer according to your need.