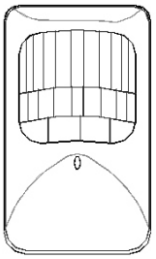
Thank you for choosing our Passive Infrared Detectors. Pls carefully read this instruction before installing and using. Any query pls consult our sales staff and technical person. Non professional people are prohibited to disassemble the products to avoid personal injury and products damage.

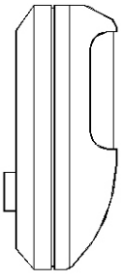
Alarm Motion Detector

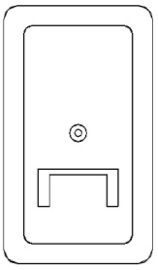
CZ-345-PIR

INSTRUCTION MANUAL

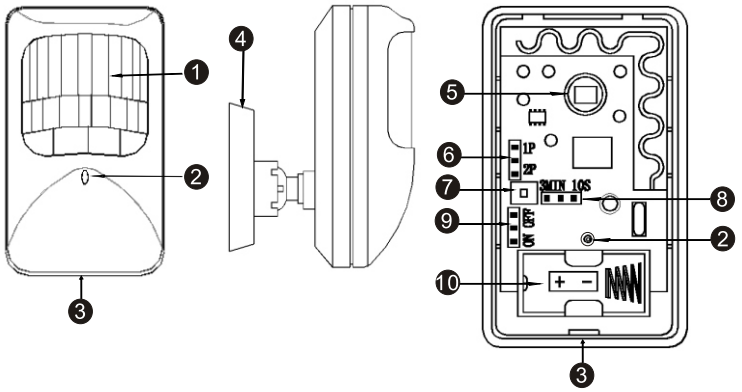
Products Design:

Front view: 

Side view: 

Back view: 

1 PARTS DESCRIPTION



1. Fresnel lens
2. LED indicator light
3. Upper-Cover Locking Screw
4. Stand
5. Sensor
6. Pulse count option
7. Tamper switch
8. Alarm Interval Time setting
9. LED indicator ON/OFF option
10. Battery Holder

2 PRODUCTS PRESENTATION

This product utilizes dual element, low noise pyroelectric infrared sensor and low power infrared signal processing chip.It's able to detect human's infrared spectrum effectively and accurately and it features high sensitivity and low false alarm rates. This product is widely used for bank, depot, mall, hall, villa and similar places where high level security is required.

3 PRODUCTS SPECS

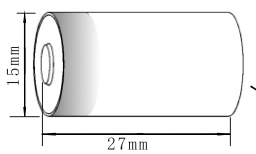
Sensing angle:	100°
Sensor range:	29*39 ft (at temperature of 77° F)
Installation height:	7.5ft (suggested)
Sensor type:	Dual element pyroelectric infrared sensor
Battery type:	One(1) CR2/CR15270 3V Lithium Battery or equivalent lithium battery
Battery life:	3-5 years(Alarm Interval Time 3MIN selected)
Dimension:	3.54*2.09*1.57 in
Transmitter Frequency:	345Mhz
Wireless signal range:	>300 ft (open air, line of sight)
Operating temperature:	14-122° F
Relative humidity:	5-90% no condensation
Anti-pet:	55LBS (25KG)

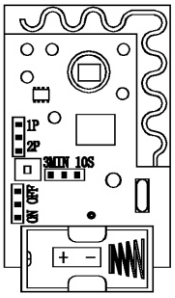
4 Installation Instruction

4.1 Battery Installation

Please insert battery as shown in picture.Notice the anode and cathode, DO NOT reverse the polarity.

Battery type: CR2/CR15270 3V LITHIUM Battery





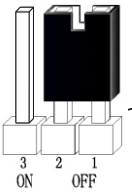
Circuit Board

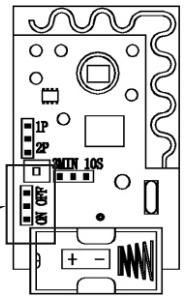
4.2 Jumper Installation

4.2.1 LED indicator ON/OFF option

* Jumper connects on two pins(1 and 2) at OFF position. LED indicator won't illuminate while alarm occurs or tamper is triggered in normal mode.
* Jumper connects on two pins(2 and 3) at ON position. LED indicator will illuminate while alarm occurs or tamper is triggered in Normal Mode.

NOTE:
LED indicator is allowed to illuminate when this product is in Warm Up Mode and Walk Test mode.

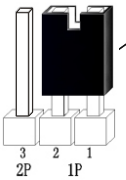


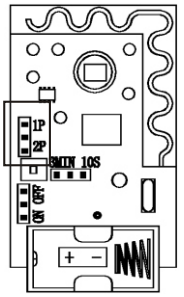


Circuit Board

4.2.2 P.COUNT option

* Jumper connects on two pins(1 and 2) at 1P. Pulse count is set as 1, alarm will be triggered if human movement pass one zone.
* Jumper connects on two pins(2 and 3) at 2P.Pulse count is set as 2, alarm will be triggered only if human movement pass two or more zones.

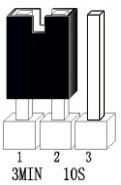


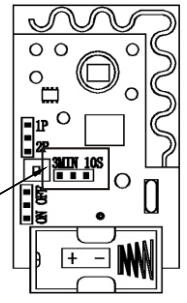


Circuit Board

4.2.3 Alarm Interval Time setting

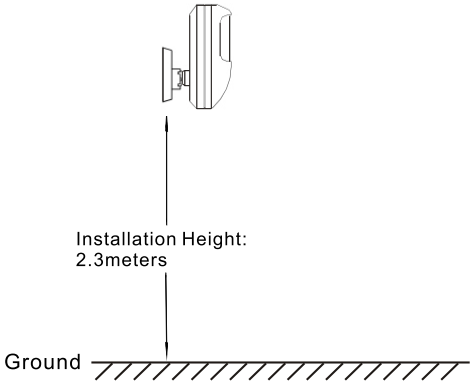
* Jumper connects on two pins(1 and 2) at 3MIN. After detecting human movement once and being triggered, this product will fall into inactive status(energy save mode) for 3 minutes until it starts to detect human movement again. During this period this product will not transmit alarm signals.
* Jumper connects on two pins(2 and 3) at 10S. After detecting human movement once and being triggered, this product will fall into inactive status(energy save mode) for 10 seconds until it starts to detect human movement again. During this period this product will not transmit alarm signals.





Circuit Board

5 Installation Instruction



6 Work Instruction

6.1 Warm Up: After battery is inserted, this product begins to warm up(lasting 80 seconds) with LED indicator flashes (even though the LED indicator option is selected as OFF).

6.2 After Warm Up is finished, this product will enter a Walk Test Mode(lasting 5 minutes). LED indicator will illuminate when this product detects human movement(even though the LED indicator option is selected as OFF).

6.3 After 5 minute Walk Test this product will enter the Normal Mode.

6.4 Alarm: If this product detects human movement in Normal Mode, it will transmit alarm signal while LED indicator illuminates for 1 second. LED indicator will not illuminate if LED indicator option is selected as OFF.

6.5 Tamper: If outer case is removed in Normal Mode, product will transmit Tamper signal while LED indicator illuminates for 1 second. LED indicator will not illuminate if LED indicator option is selected as OFF.

6.6 Tamper Restore: After outer case is mounted properly it will transmit Tamper Restore signal while LED indicator does not illuminate(regardless if LED indicator option is selected ON or OFF).

6.7Low Battery: When this product detect a low voltage on battery it will transmit Low Battery signal to alarm panel to remind that the battery needs to be replaced.

7 Caution

7.1 While installing choose the best tilt angle and installation height to make sure human movement can be sensed within the product’ s pattern of coverage.

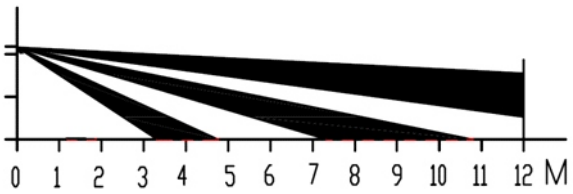
7.2 Installation should avoid positions close to air conditioner, refrigerator, electric heater, electric oven, or other devices which could cause rapid temperature changes. Do not position directly in sunlight or where significant vibration occurs.

7.3 Choose the P.COUNT option according to actual requirements.

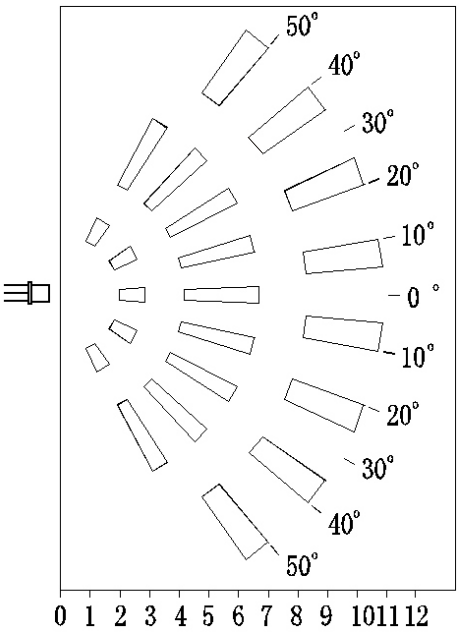
7.4 To conserve battery life, it is recommended that Alarm Interval Time be selected as 3MIN.

8 Lens Pattern

8.1 Side View



8.2 Top View



9 Mounting the PIR

9.1 Make sure the upper cover is fixed properly on bottom base before installing this motion detector. As shown in figure 1, Mount the upper cover on bottom base, then fix them using screw.

9.2 Fix the stand at a height of 2.3m on wall using screws, as shown in figure 2.

9.3 Snap the motion detector on stand, according to actual requirements, adjust tilt angle of motion detector until it provides best performance. As shown in figure 3.

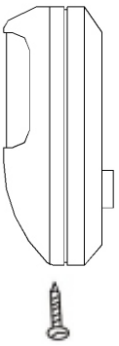


Figure 1

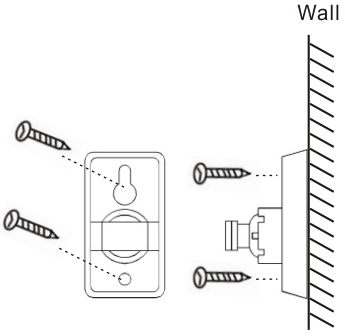


Figure 2

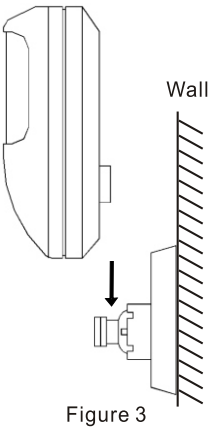
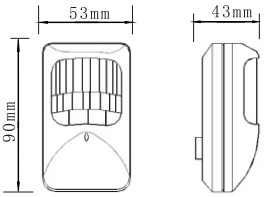
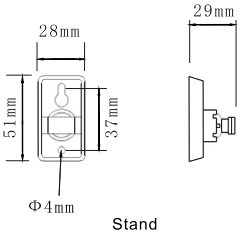


Figure 3

10 Outline Dimensions



PIR



Stand

11 Attention

1、Install the detectors out of direct sunlight or strong light.

2、Avoid big obstacles in detecting areas.

3、Avoid the equipments which can instantly change enviroment temperature in detecting area, such as air conditioner, heater, etc..

4、Reminder: To ensure normal working of detectors, pls check the detectors every half a year.

FCC Statement

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: 1) this device may not cause harmful interference, and 2) this device must accept any interference received, including interference that may cause undesired operation.
Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
--Reorient or relocate the receiving antenna.
--Increase the separation between the equipment and receiver.
--Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
--Consult the dealer or an experienced radio/TV technician for help.
Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

FCC Radiation Exposure Statement
This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.