Installation instructions
Dual element PIR Motion Detector

1. INTRODUCTION

It Adopt advanced and stable circuit design, very low rate of failure alarm and false alarm; it can realize complete movement detection and actually temperature compensation. It adopts unique pet variable calculation for real pet immunity below 10kg. And it can reduce its false alarm greatly during hot air current, moving animals and great changes in temperatures. Its PIR detection than other normal PIR detectors in the market.

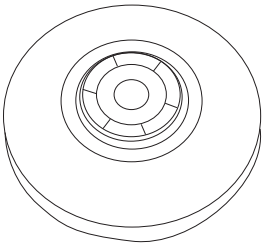


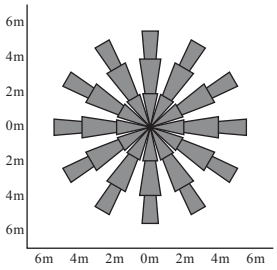
Figure 1

2. BRIEFINTRODUCTION

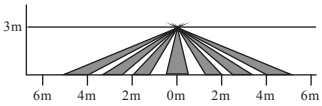
-Selectable detection sensitivity
-Dual-layer structure temperature compensation tech which has solved the problem of interference from normaltemperature.
-Alternative Led OFF
-Anti white light
-37 beams Fresnel lens with down-view window on its 4 planes
-Total view:360° Monitoring scale:12m

3. SPECIFICATIONS

Power supply:9-16VDC
Current:*N.C:5mA,NO:15mA 12VDC*
Install high:1.5m-3m
Coverage:12m*12m 360°
Alarm time:1.5-2.5s
Anti RFI/EMI:0.1-500MHz/3V/m
Anti-white light:>10000LUX
Alarm output:NO/NC 200mA/24V
Temperature:-10℃/+55℃
Humidity(RH):95%
Sensitivity: 3P /2P Select
Detect speed:0.3m/s to 1.5m/s
Dimensions(L*H):115mm*32mm



TOP VIEW

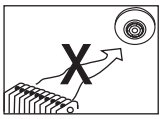


SIDE VIEW

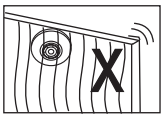
Figure 2

4. INSTALLATION GUIDE

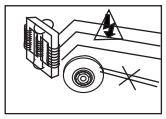
Select the best installation point fit for PIR technologies. Put it onto the selected place and keep it away from door, window, running machine or heat sources.



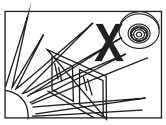
No direct facing cold /hot source



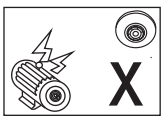
Installation base shall be stable



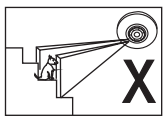
Keep away from high pressure power



No direct sun shine



Keep away from strong interference



Install error

Figure 3

5. WALL FASTENING

A. Hold product by hand, press out the bottom cover by one hand while the upper cover by the other hand, contrarotate the covers to open the detector.

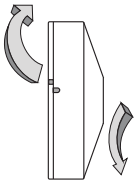


Figure 4

B. Wall mount and ceiling mount for installation.

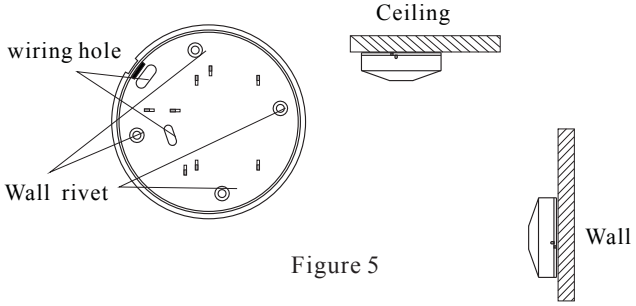


Figure 5

6. WIRE UP THE TERMINAL

Figure 6

- 12V + : 9 16V DC power supply

ALARM : Zone input of control panel (N.C/N.O)

TAMPER: 24 hours N.C. loop of control panel

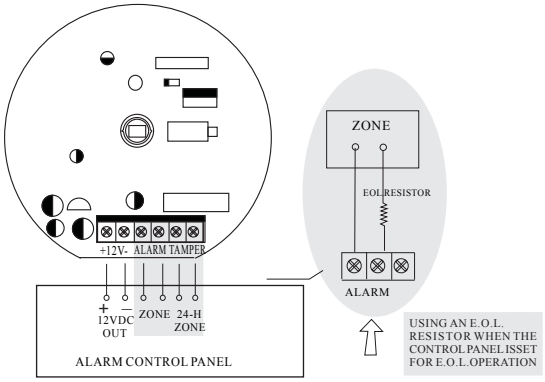


Figure 7

7. ALARM OUTPUT SELECTOR

The alarm output can be charged to N.O by removing the jumper from N.C/N.O selector. N.O output can be applied to activate VCR of CCTV systems or other equipment.

Figure 8

8. CLOSE THC EXTERNAL COVERS

Please face the position with indentation on the upper cover to that on the lower cover, press and rotate the covers clockwise to close it

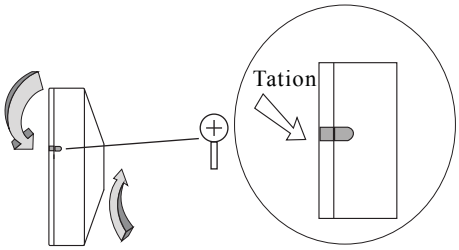


Figure 9

9. TESTING and Pulse Set

The Sensor an intelligent pulse count that reduces the possibility of false alarm caused by environmental and power line interference. The pulse count can be set to count 2 or 3 pulses by placing the jumper head on the corresponding pins. An alarm signal will only be sent when the selected pulses are generated within delay time of 20 seconds. SEC-TEC' s intelligent pulse count circuitry analyzes the width difference of pulse signal. When human motion is detected a subsequent pulse signal will over-ride the pulse count setting andgenerate the alarm signal without any delay.

Note: Verify correct operation of the detector by conducting a walk test at least once a year.

Note: The maximum pulse count for the long range and curtain lenses is 2P. It is not recommended to select 3P for distances above 12m

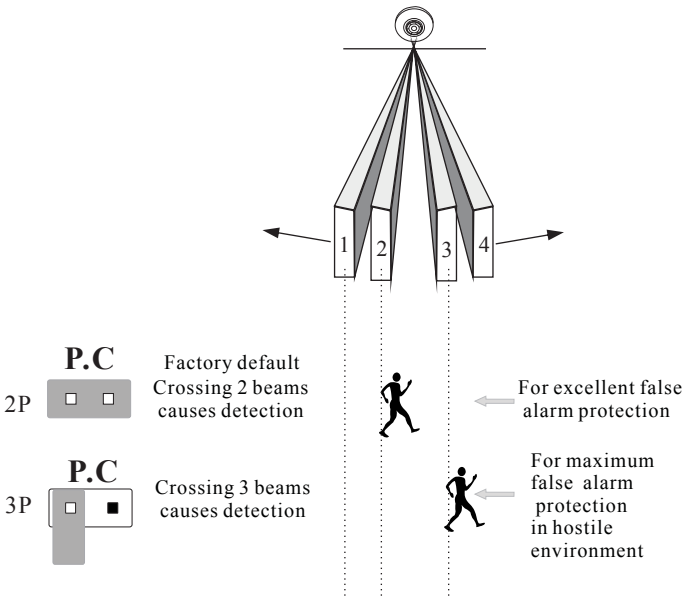


Figure 10

10. NOTES AND WARNINGS

Even the most sophisticated detcetors can sometimes be defeated or may fail to warn due to :DC power failure/improper connection, malicious masking of the lens,tampering with the optical system, decreased sensitivity in ambient temperatures near that of the human body and unexpected failure of a component part.The above list includes the most common reasons for failure recommended that the detector and the entire alarm system be checked weekly, to ensure proper performance.

An alarm system should not be regarded as a substitute for insurance. Home & property owners or renters shouldbe prudent enough to continue insuring their lives & property, even though they are protected by an alarm system.

This device has been tested and found to comply with the limits for a Class B digital device, pursuant harmful interference in residential installations .This equipment generates,uses and can radiate radio frequency energy and ,if not installed and used in accordance with the ins-tructions ,may cause harmful in-terference to radio and television reception. However, there is no guarantee that interference will not occur in aparticular installation .If this device does cause such interference , which can be verfied by turning the device off and on ,the user is encoura-ged to eliminate the interference by one or more of the follow ingmeasures:

- Increase the distance between the device and the receiver.
- Connect the device to an outlet on a circuit different from the one that supplies power to the receiver.
- Consult the dealer or an expericnced radio/TV technician.

WARNING! Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user s authority to operate the equipment.