4.Special comments

Even the most sophistic ated detcetors can some times be defeated or may fail to warn due to :DC power failure/improper connection, malicious masking of the kens, 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, us es 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 encouraged to eliminate the interference by one or more of the following measures: - 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 experienced radio/TV technician.

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

5, Solution of usual problem



Installation Guide of ZDD-285PIR Outdoor Microwave & Infrared Motion Detector

1. Introduction

ZDD-285PIR is virtually the best outdoor/indoor motion detector ever presented, for industrial, commercial and residential security. ZDD-285PIR has am assive aesthetic design and combines the technologies of passive infrared and Microwave as well It is waterproof and all-weather resistant ZDD-285PIR also alerts in any attempt to damage disable its operation. ZDD-285PIR combines a variety of detection techniques that enable it to work in the most difficult environmental conditions and where high security is required while maint aining unprecedented immunity to false alarms. The two synchronized PIR sensors produce a three-dimensional thermal imaging of the protected area. Combining the fourth dimension ad micr owave scanning contributes to an amazing detection capacity and at the same time it also increases the reliability and immunity to false alarms. Using this technique allows high sensitivity level adjustment in both detection technologies without the need of pulse count. In addition to an unprecedent -ed amazing and reliable detection skill, ZDD-285PIR is equipped with unique protection mechanisms against any attempt to damage or to disable its operation. These following protection mechanisms always work-weather the alarm system is Armed or Disarmed: 1. Forntal Anti-masking by a continuous active infrared scan, against masking the near field-of-view of the detector (Detects even transparent objects such as clear glass, plastic bags or transparent spray of any king)

wave detection channel will guard the protected area.

3. Anti-case-shifting, by inertial switch that alerts if someone shifts, moves or turns the detector.





2. Imposes OR mode in distress. If from any reason, the PIR detection channel is neutralized (for example, the detector front was masked) the Micro-

Mounting: Surface or corner, at the height of 1.8 to 2.4 m Note: Base allows single-sided corner mount at 45 to wall Accessories: BR-1:Surface mounted swivelbracket, adjustable 30° down and 45° left or right. Environment: Operating Temperature: -10° C to 50° C(14° F to 122° F) Storage Temperature :-20° C to 60° C (-4° F to 40° F) Anti white light: >9000 LUX Physical Size(H*W*D):176*83*66 m m This device is coherent to Europe parliament direct 1999/5/EC

necessary items and rules, and also coherent to the main spirits of radio and telecom terminal equipments on March 9th. 1999. The device also reaches the Canadian standard RSS-210. It can be used indoor and outdoor, which can reachits maximum protection and avoidance of above interference.





"AND" PIR

ENABLED

A. Mark the drilling points

Microwave (During

masking only!!!)

DISABLED

Represent the contacts of the (Masking Relay) which normally are in closed state(N.C.). Closed state(N.C). If an object blocks(masks)the near field-of-view of the detector for more than 2 minutes, the green LED will glow constantly, and the(MASK)elay will operate for at least 2 seconds and all time the masking exists Indicated on the circuit as (TAMP) Represent the contacts of the built-in TAMPER switch, which are normally in closed state(N.C.) The contacts willopen, upon the detector's case is

Indicated on the circuit as (CO). This terminal to be used if you wish to get a report from the **detector's memory**, whether it has detected human movement during the armed period. This terminal should get indication from the alarm system's control panel, whether it is in Armed or Disarmed state. -If 0V received, the detector (understands) < -If 12V orno voltage at all received, the detector (understands) That the alarm system is Disarmed. How to draw and display the detector's memory? If: the detector has alerted during the (armed) period, Than: upon switching the alarm system from (Armed) to (Disarmed) mode, the Red LED will be activated for 30 minutes.



extremity operation mode.

please try extremity resistor.







At this angle, detection angle is largest, Lower section sensitivity is low. Pet immunity up to 20Kg

At this angle, detection angle is smallest, sensitivity is highest. no pet immunity function.

3.11, Preparing the Anti-Masking channel for work

In order to enable the masking detection to operate properly, it is Necessary to allow the detector study and analyze automatically the environmental conditions of its protected area.

The study procedure to be performed in three cases:

1.Upon connecting the power supply to the detector.

2. Upon the position of DIP switch number-3 (Masking detection Sensiti vity) is changed.

3.Upon relocation of the internal unit of the detector.

The study procedure in the first & third case:

-Close immediately the detector's case (within 15 seconds Maximum). -Keep away (at least 0.5 meter) from its front, until the study Procedure finished, about 30 seconds.

-As an indication for the study procedure, the Red+Yellow LEDs

will blink rapidly once the procedure begins and ends.

The study procedure in the second case:

-Change the position of DIP switch number-3 for about one second, and switch it back to the original place.

-Close immediately the detector's case (within 15 seconds maximum). -Keep away (at least 0.5 meter) from its front, until the study procedure finished, about 30 seconds.

-As an indication for the study procedure, the Red+Yellow LEDs will blink rapidly once the procedure begins and ends.

