GLD-7380-12, Intelligent PIR & MW Ceiling Mounting Intrusion Detector

1.Brief Introduction

GLD-7380 Intelligent PIR & MW Ceiling Mounting Intrusion Detector is a digital micro-processing dual-tech detector adopting the technology of DMF ™(Digital Memory Focus), DMT™(Dynamic Matrixing Time). It is with novel appearance, fluent lines, and dynamic LED display, which well assorts with modern household decoration and inosculates with the background subtly. The PIR parts adopt nice Fresenel lens to increase the effect of energy-receiving. The MW parts adopt advanced plane antenna microwave transmission and four-layered screening technology, which has increased the control of MW detection range. In the way, high sensitivity can be reached from the distance of 0.5 meter (1.8 feet) to 10 meters (33 feet). The advanced technology of DMF ™DMT ™can help to give an exact estimation of true intruder or other interference that will easily trigger wrong alarm. Its advanced anti-pets function can prevent wrong alarm to a 20 KG pet or 8 cats, insects, mice or birds etc. GLD-7380 has overcome the interference that common detector can't prevent, and it won't trigger wrong alarm or miss alarm so it is far excellent in function than common detectors. It is the first option for household life and office decoration nowadays!

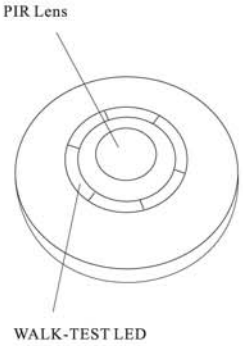


Figure 1.General View

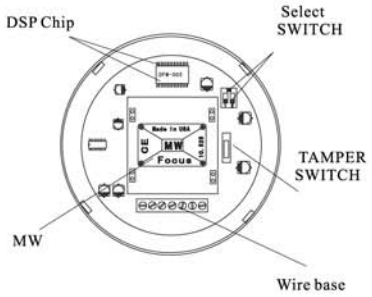
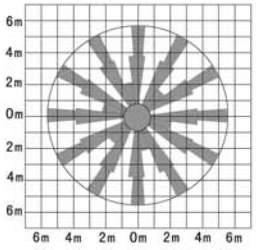


Figure 2.Inside View

2.Specifications

Detection Range: Up to 10M
Input Voltage:9 to 16 VDC
Current Drain:About 15 mA @ 12 VDC
PIR SECTION(see Figure3)
Lens Date
NO.of Curtain Beams:12+12+6+1
Max.Coverage： ϕ10m 0
Tripping Indication:
Indicator lights for about 10 seconds
ALARM and TAMPER
Alarm Output:
Solid-state relay,N.C..up to 100mA/30V,-30
internal resistance.Circit opens for 2-3 seconds upon alarm.
Alarm indication:Indicator lights RED for opens.

TOP VIEW



SIDE VIEW

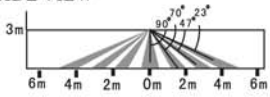
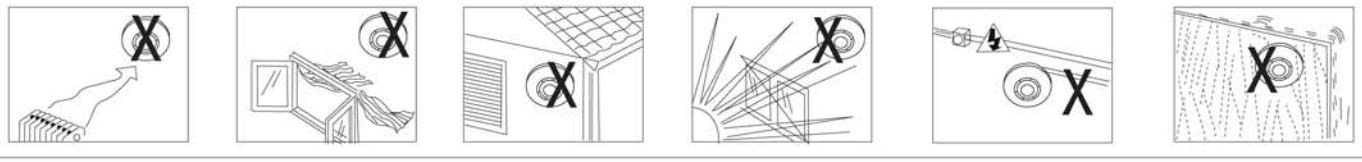


Figure 3.Maximum Coverage Pattern

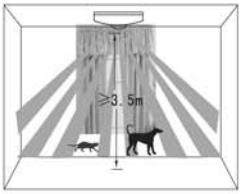
Event Counter: Selectable, 1 or 2 motion events
Tamper Contacts: Normally closed, 50mA resistive /30 VDC
MOUNTING
Surface or corner,at the height of 2.4to 4.8m
Note: Base allows single-sided corner mount at 45 to wall
ACCESSORIES:
BR-1:Surface mounted swivel bracket,
adjustable 30 down and 45 left/45 right.
BR-2:BR-1 with a corner adapter
BR-3:BR-1 with a ceiling adapter
ENVIPONMENTAL
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 resistance:
9000 LUX (indoor)
PHYSICAL
Size(H*W*D): ϕ110*40mm

3.Installation

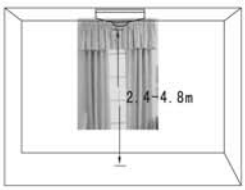
3.1 General Guidelines



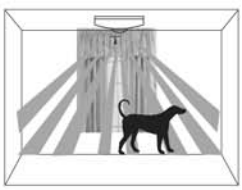
3.2Anti-pests installation



Installation range for anti pets shall be bigger than 3.5m



The installation height is 2.4-4.8m

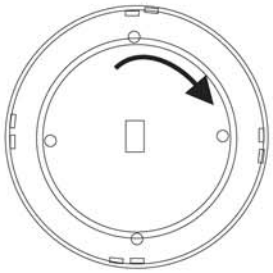


Preventing pets over 20kg enter the detection range

3.3Illustrated Installation Procedure

1.Disassemble unit

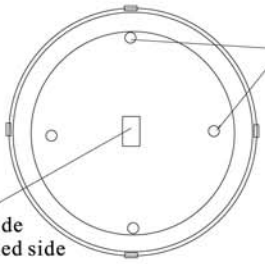
Press the cover circum rotates it clock wise to open itd



2.Mount base

1.8-2.4m（6-8ft）above ground

Surface mount (1 of 2)



Single side 45° angled side

A. Mark the drilling points and drilling the wall

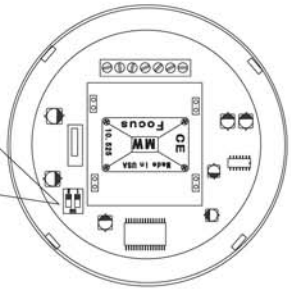
B. Route the wires into the base VIA the rear channel

C. Insert two dowels and attach the base to the wall with two screws

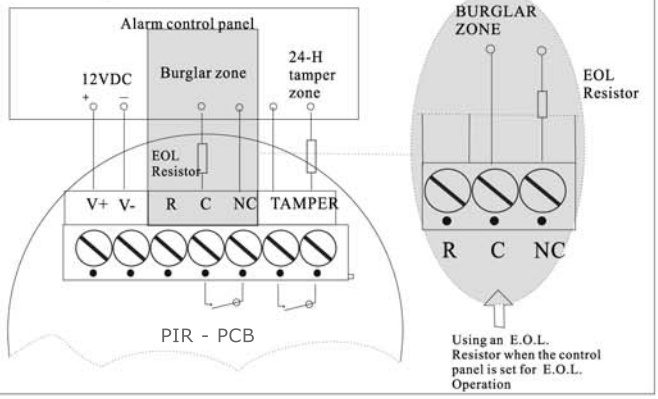
D.Insert the bottom edge of the large PCB under this TAB & Press the top edge in

3.Set jumpers as needed

1. Switch 1 is for LED control, push it to "ON" starts LED while "OFF" is for closing.
2. Switch 2 is for sensitivity selection, "ON" stands for high sensitivity while "OFF" for low.

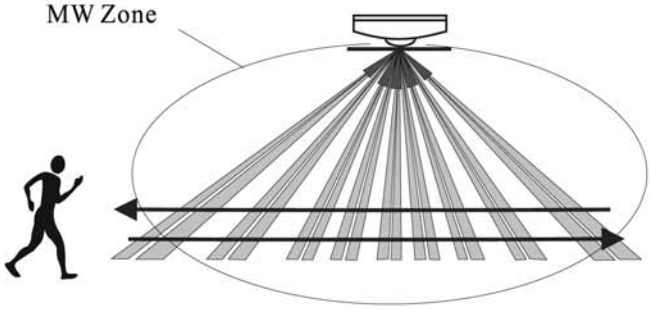


4. Wire up the terminal block



5..Perform motion test to the detection area:

1. Start the test at least 2 minutes after power supply
2. Crossing to any direction of the detection area, your walking will cause the LED indicator to light for 2-3 seconds (refer to the right diagram)
3. Perform motion test from contrary directions in order to confirm the boundary of two sides. Make confirmed hat detection center pointing to the center of protected area.
4. Standing at 3-6 meters away from the detector, raise arms slowly & reach it to the detection area, test the down boundary of PIR alarm & mark it. Repeat the above act ion to confirm the upper boundary.
5. The detecting center shall not lean to left or right. If ideal detection distance can't be reached, adjust the detection range horizontally in order to confirm the detector won't lean to the right or left.



Important mention: Motion test shall be performed at least one time each week in order to guarantee that each detector can keep excellent function.

4.Special comments

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 digitaldevice, 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 instructions ,may cause harmful in-terference to radio and television reception. However, there is no guarantee that interference will not occur in a particular 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 followingmeasures:

- 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.

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