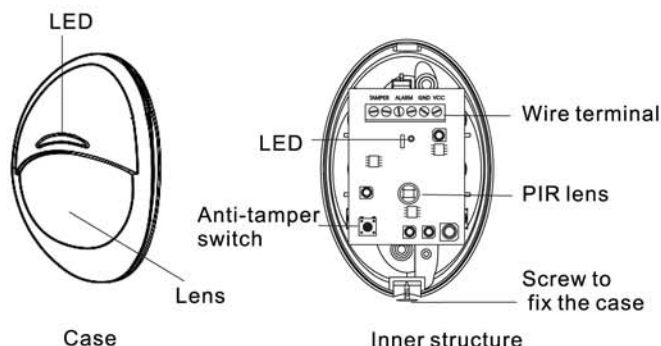


# GLD-235-12, PIR intrusion detector

## 1.Introduction

GLD-235-12 is a type of digital & microprocessor-control PIR detector. With pet-immunity function. It adopt precise columnar Fresnel lens to increase the efficiency of energy receiving to achieve high sensitivity without false alarm. With high sensitivity during the detection distance: 0.5m(1.8feet) to 12m (40feet). Advanced pet-immunity function. This detector adopt temperature compensation technology, can recognize the temperature of the environment and compensate IR signal accurately. Fit for indoor use.



## 2.Parameter

Input voltage: 9-15VDC

Current: 12V@9mA

Optical (figure3)

Lens data

Curtain beams.: 9+5

Max coverage: 12×12M (40×40 feet) /90°

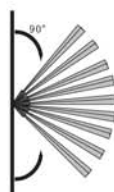
Alarm tamper

Alarm output: Solid state relay,  
N.C, 30mA/30V.

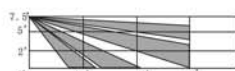
2~3s after alarm the circuit opens.

Alarm status: LED light on for 2-3s.

Tamper contact: N.C, 50mA/30V



Top view



Side view

### Installation:

Surface mount or corner mount, the height 1.8-2.4M from the ground.

Note: Base allow single-side corner mount at 45° to wall.

Or run parallel to the wall.

Bracket to choose:

Wall mount rotation bracket: down 30°, left-right 45°.

Environment:

Work temperature: -10℃-50℃ (-14°F-122°F)

Storage temperature: -20℃-60℃ (-4°F-140°F)

Anti-RFI: more than 20V/m (20MHz-1000 MHz)

Appearance

Size (L×W×H) : 94.5×63.5×49.0mm  
(3-11/16×2-1/2×1-15/16")

Weight: about 100g

## 3.Installation

### 3.1 Attentions



Do not face hot and cold source

Do not face moving object

Do not install outdoor

Do not face the sun directly

Do not install near high voltage cable.

Do not face metal-wall

Do not install on loose-basement

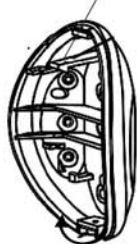
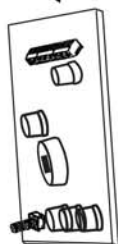
### 3.2 Installation

#### 1.Seperate

C. Remove the face cover

E. Remove the PCB

D. Buckle



B. Open the face cover

A. Screw out the screw

2. Drill hole on the base cover

Cable hole

B. single-side 45° install

A. Drill hole (surface mount)

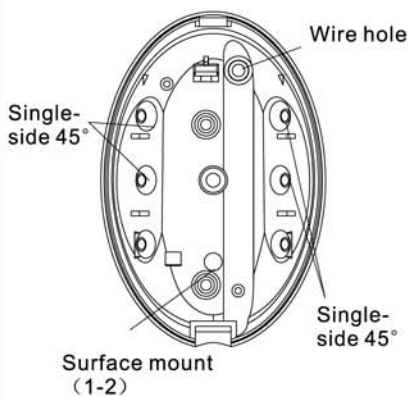
C. single-side 45° install

PCB support point

Note: You can choose any one of these three install method.

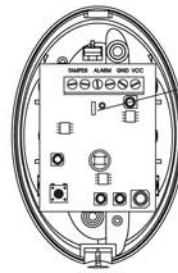
#### 4. Install base cover

1.8-2.4m from the ground (6-8 feet)



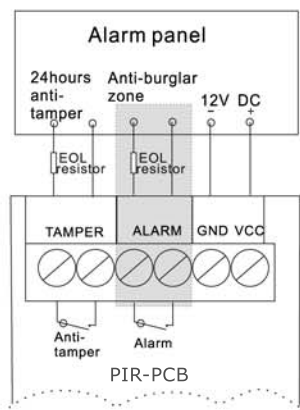
- A. Drill hole where to install
- B. Route wire through the wiring hole
- C. Fix the base cover on the wall
- D. Install the PCB

#### 5. LED set jumper



LED Jump option: Short-cut the pin via jumper cap, LED can light on. When take off the jumper cap, LED won't light on. The factory default is short cut the pin. We suggest the user remove the jumper cap enhance the elusive of detector.

#### 6. terminal stub



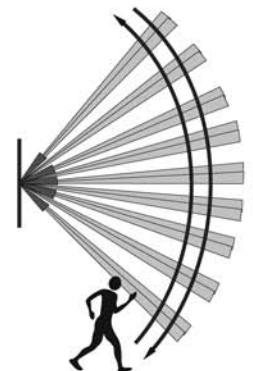
#### 7. Walk test

- A. Cover the case, screw in the screw



- B. Walk across far end of protect area in both direction. Every time detect intrusion, the LED will flash for 2-3s.

- C. Note: we suggest the user make a walk test once a week, to make sure the detector can work normally.



#### 8. Customer Service

Our products are very reliable, but for some special reasons, the working performance will be limited in certain range. We here list some cases as follows:

- ①. The voltage of control panel is not stable;
- ②. Low-voltage of the detector.

For any help please contact with our company and your could visit our website for more information.



Warning: We are not responsible for the problem caused by improper operation by users!