

ZDD-116PIR intrusion detector user manual

1. Brief introduction

ZDD-116PIR is a kind of PIR detector used to detect the suddenness and hostile intrusion and can meet the normal defending needs. And it has small and white streamline design. Can be installed on the wall or at the front direction with the 45 degrees. The ideal installing height is 2.3m higher than the floor. The detecting area can avoid the protecting dead zone. the optical sensitivity setting can suit for different installing environment. The product is built-in tamper switch to prevent the non-auth critical taking-away.

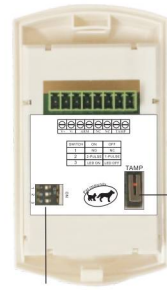
The product can widely be used in family, store, bank, office, warehouse, garage and so on

LED GUIDE LIGHT BEAM



LENS

shell



TAMPER

DIP SWITCH

BOTTOM SHELL

2. specification

Model: ZDD-116PIR

Detecting distance: 9m / 25°C

Input voltage: 12VDC

Current consumption: $\leq 15\text{mA}$

The part of Ir (see the right picture)

alarm and tamper

Alarm output: solid relay, NC

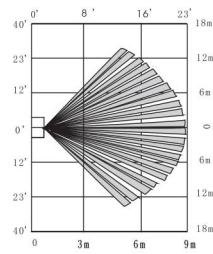
Less than 100mA/30V, -10Ω interior impedance

Tamper terminal: NC, 50mA/30VDC

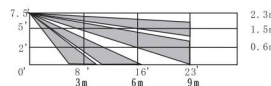
Less than 100mA/30V, -10Ω interior impedance

Alarming indicator: the blue light on is alarm

Detection method: Passive infrared and Temp



Top view of wall-mounted



Side view

installation : installed on the wall or at the wall corner , and the installing height is 2.0-2.4 from the floor

note: base seat allow the 45 degrees installation between the single corner and corner

working environment :

working temperature : -10°C - 50°C

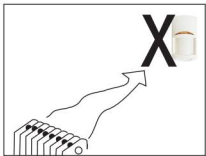
storing temperature: -20°C - 60°C

Anti-white(indoor): higher than 6000LUX

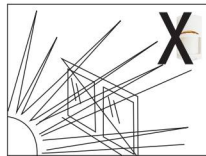
anti-radiation : 30V/ m , 10MHz-1000MHz

3. installation

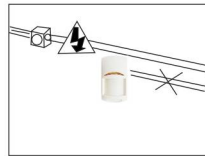
3.1、Attentions



Do not face hot and cold source



Do not face the sun directly



Do not install at the place loose-basement

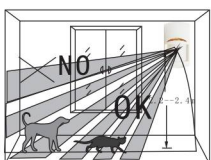


The wiring can not together with the high voltage

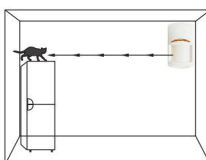


Do not face metal-wall

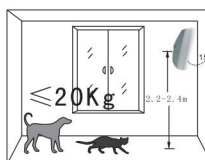
3.2、Pet-immunity guideline



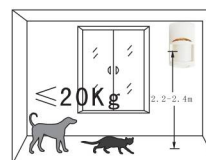
The top of the detecting area is the zone of non-pet-immunity



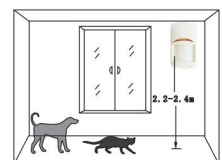
Do not directly face the detector to the place where the pets can climbing on



Pet immunity: <20Kg pets



The detecting pet-immunity can be smaller than 20KG

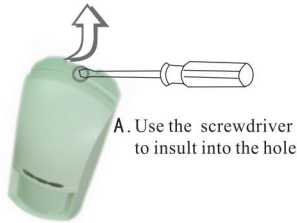


The installing height is 2.2m-2.4m can have the function of pet-immunity

3.3、Installing shown

①. Decomposition step

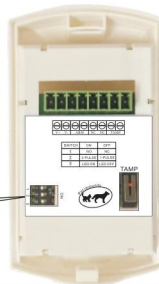
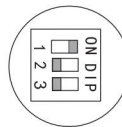
B. Pull out the shell



Press both side and pull out the terminals

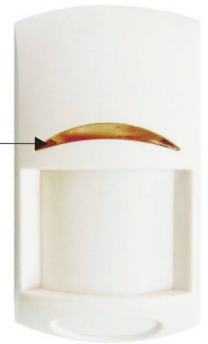
3.4、DIP switch description

SWITCH	ON	OFF
1	NO	NC
2	2-PULSE	1-PULSE
3	LED ON	LED OFF

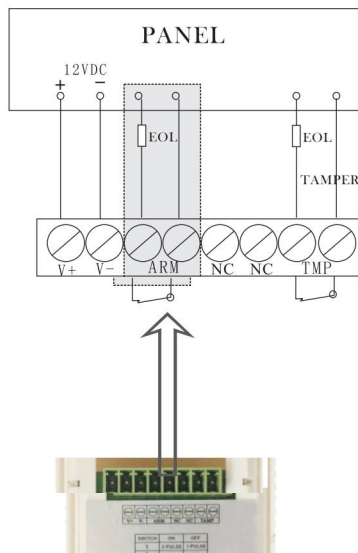


3.5、Light indicator instruction

On: alarm
normal status: off



3.6、Terminals wiring



3.7、Walk test in the covering area

- Cover the case and hop the button
- 1, powering on, after the self-checking, then start the walk test.
- 2, at the far end of the covering area, moving at any direction, need to light the LED for 2s-3s
- 3, test at the convert direction to make sure the perimeter of the two sides. To make the detecting center face to the protecting center.
- 4, slowly hang up your hands at the distance of 3-6m of the detector and stretch to the detecting area, mark the bottom perimeter of the PIR. Repeat the step to make sure all the perimeters
- 5, the detecting center should be vertical. If can not get the ideal detecting distance, adjust the detecting area to make the right direction.



Important note: to make sure the good performance of the detector, suggest have walk test once in a month.

4. After-sale service

If need help, please telephone our technical service number, or can visit our website to know more information



Warning: if the problems caused by in-normal operation, own responsibility yourself.



Dongguan Precise Testing & Certification Corp.,Ltd.
Building D,Baoding Technology Park,Guangming Road 2,
Guangming Community,Dongcheng District,Dongguan,Guangdong,China

CERTIFICATE OF CONFORMITY

No.: PTC19042300601E-EM01

Applicant : ZUDEN TECHNOLOGY (HK) CO., LIMITED
Address : A3 Building A area, BaoYing Industrial Park, WuLian Road,
LongGang District, Shenzhen, China
Manufacturer : ZUDEN TECHNOLOGY (HK) CO., LIMITED
Address : A3 Building A area, BaoYing Industrial Park, WuLian Road,
LongGang District, Shenzhen, China
Trade Mark : ZUDSEC
Product : Infrared Detector
Model No : ABX,ABT, ABE. ABH, ABL, ZDD-289PIR, ZDD-285PIR, ZDD-185PIR,
ZDD-215PIR, ZDD-116PIR, ZDD-106PIR, ZDD-111PIR, ZDD-103PIR,
ZDD-102PIR, ZDD-107PIR, ZDD-105PIR, ZDD-100PIR, ZDD-
112PIR, ZDD-110PIR, ZDD-108PIR

The submitted sample of the above equipment has been tested and found to comply with the following European Directive:

EMC Directive - 2014/30/EU

The standard(s) used for showing compliance with the essential requirements:

Applicable Standard(s)	Test Report(s) Number
EN 55032:2015 EN 55024:2010+A1:2015 EN 61000-3-2:2014 EN 61000-3-3:2013	PTC19042300601E-EM01

This certificate is part of the full test report(s) and should be read in conjunction with it. This certificate is based on an evaluation of one sample of above mentioned product. It does not imply assessment of the production of the product. Without the written approval of Dongguan Precise Testing & Certification Corp.,Ltd, this certificate is not permitted to be reproduced, except in full. It is not permitted to use the test lab's logo. The CE marking may only be used if all the relevant and effective European Directives are applicable.

