DDP-988 Intelligent PIR Detector

Installation Guider

Shenzhen Meian Technology Co., Ltd   V 1.00
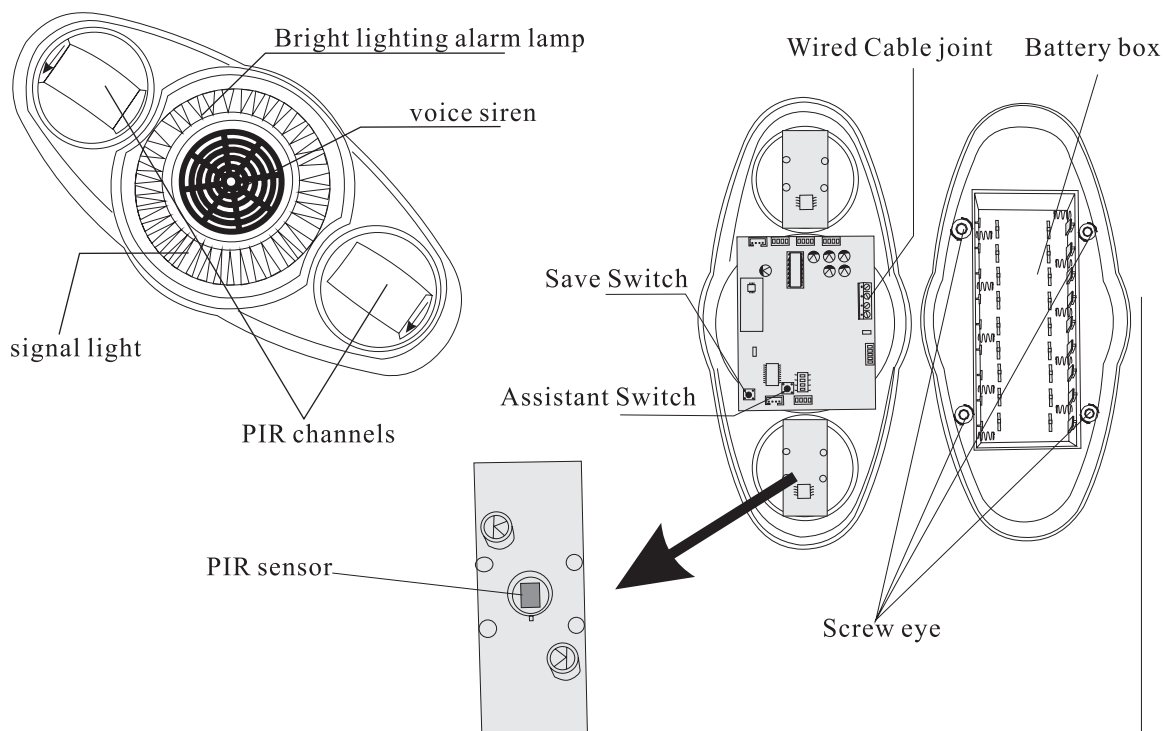
Features

1.Features introduction

Thank you for choosing FOCUS intelligent security system and congratulations for you to get a reliable intelligent PIR detector.

DDP-988 series using the advanced digital senor and control technology, it is a intelligent detector with the full functions of burglarproof and steal proof. With wired and wireless compatible functions, wireless multi alarm models, special voice indication functions, it also can be operated by remoter controller, easy for operation and useful.

DDP-988 can be installed in any height required and worked in difficulty environment, using special defense system to prevent false alarm and miss alarm, the PIR of DDP-988 uses exact Fresnel lens, and forms the three-dimensional protect area, to improve the efficiency of energy receiving; it also has special protection device to prevent dismantle and interference. When it is destroyed or can not work nominally, the detector will alarm automatically.

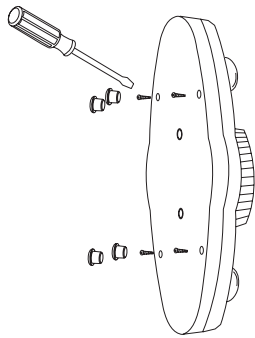With strong functions, DDP-988 has the following features:

1. Popular elegant external design, unique decoration effect for indoor/outdoor application
2. Remote-controller setting and other setting available, easy for operation
3. Voice-prompt-operation, easy operation
4. Wired and wireless compatible, multi alarm methods available
5. 360°rotating for infrared detection area to avoid neglecting detection area, achieve real three-dimension detection.
6. High decibel spot siren for alarm enable it the function of frighten.
7. Avoid interference and damage, cutting, destroying and releasing can cause alarm.
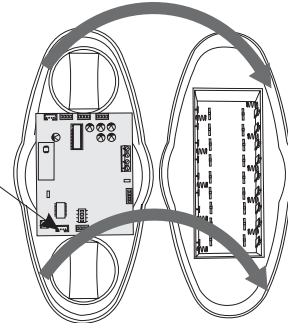8. Energy saving and control panel models for choice

Bright lighting alarm lamp

voice siren

signal light

PIR channels

PIR sensor

Wired Cable joint   Battery box

Save Switch

Assistant Switch

Screw eye

Installation

2.Installation map

Battery input

1.Using screwdriver loosen the screw on the back of DDP-988, if the detector on the state of alarm and with electronic, the system will alarm.
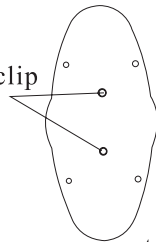
2.divide the cover and button according to the direction of on the picture, be careful, please make sure the line inside not cut.
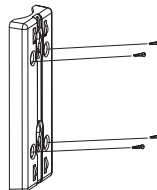
A. means drill point and drill on the wall.

C. press bottom into the bracket and tighten.

1.8-2.8m above floor
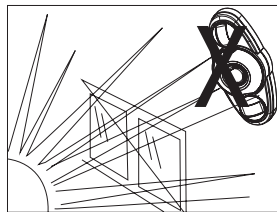
Bottom clip

out installation

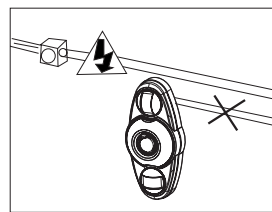B. insert 2 pcs nails, and install the bracket on the wall by 2 screws.

⚠

Notice: the following ways for installation may lead to false alarm, please try to avoid when install it.
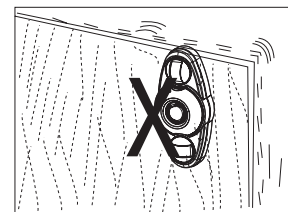
Do not face to cod or heat source
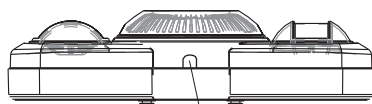
Do not face to sun light

Wires of detector do not near high voltage wires

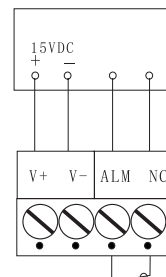Do not install on to the place not stable

3.wired line connection way

2.And then connect the detector with control panel according to the picture on the right

15VDC
+   −

V+   V−   ALM   NC

Wire in put hole
1.in put power supply of 15V throng the hole
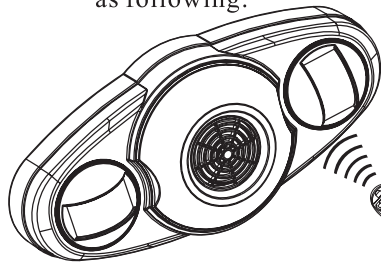
4.Using of DDP-988

After 25 seconds quiet, DDP-988 enter into rest state, when some body near it, the detector Activated, and the detector flashing, it means DDP-988 is activated for its communication function.

After the communication function activated, press the corresponding keys of remoter controller for operation. It will also work with voice for indication, the using method as following:

~~~ **"The system has been set into at home alarm state. Please take it easy!"**

1.Alarm: press alarm key, DDP-988 will flash twice and with voice indication, after 20 seconds, it enter into alarm state, when any alarm situation happens, DDP-988 will alarm with voice and the alarm light flashing, and the same time, it sends out wireless alarm, the wired signal out put the synchronous signal.

2.At home alarm: press the key at home alarm, then DDP-988 will flash twice, at the same time, the detector indication with voice, and after 20 seconds, DDP-988 enter into alert state. When any situation happens, DDP-988 send out wireless alarm signal, the wired joint synchronous signal out put 5 seconds late, alarm with flash alarm light, but without voice indication.

3.Disalarm: press the key disalarm, DDP-988 will flash one time with voice indication, the detector will then withdraw alert state, in the disalarm state, if low battery, DDP-988 will indicate with voice too.

4.frighten spot: when any special situation happens, press the emergency key above 3 seconds, then DDP-988 will alarm with voice and light, at the same the, the wired out put send out 5 seconds out synchronous signal. Then DDP-988 enter into alert state.
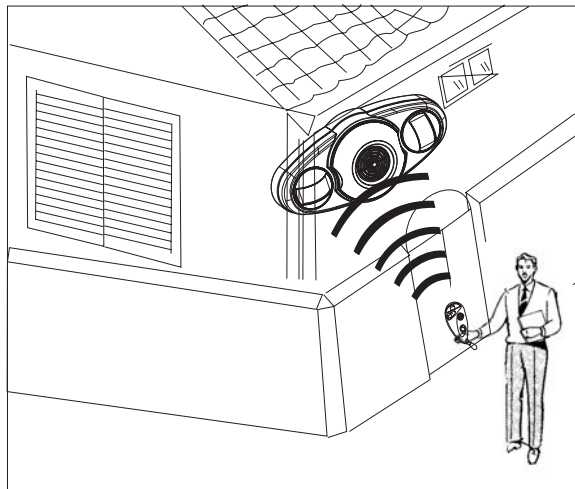
5.quiet without light alarm: press the key at home alarm and emergency above 3 seconds, DDP-988 will then indicate with voice, after 20 seconds, detector enter into alarm state, when any situation happens, DDP-988 send our wireless signal, at the same the, the wired out put send out 5 seconds out synchronous signal, then detector will not send out alarm voice and no flash light for alarm.

6.Welcome passage mode: press the keys alarm and disalarm at the same time above 1 second, DDP-988 will indicate in voice by welcome! When any passage visit, detector will indicate by voice Welcome!

Notice:
1.Operation for remoter controller, only when any body near by DDP-988, after the communication function is activated, the operation then will effective. When low battery for the system, detector will indicate with voice.
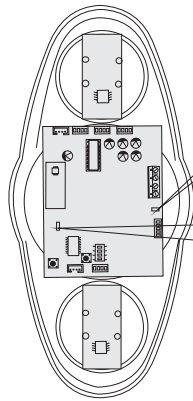
2.Wired out put ending, only connected with 15V power supply, it will be then effective.
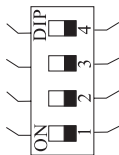
Product setting

5.witch setting

JP1: L-OFF switch, when turn off this switch, it will turn off the interference of strong light. If installed out door, such as window or veranda, it is suggested off this switch. The original setting form factory is off

JP2: LED-ON, strong light lighting control switch, when off this switch, it will open the alarm light, and the original setting form factory is off.

Dial switch setting:

1.And / or selection switch. This switch control 2 pcs motion detectors , when moved to on, it means or, which means when one of the two sensors intruded, the system alarm, when switched to OFF, it means and, the system will alarm when the entire two sensor intruded.
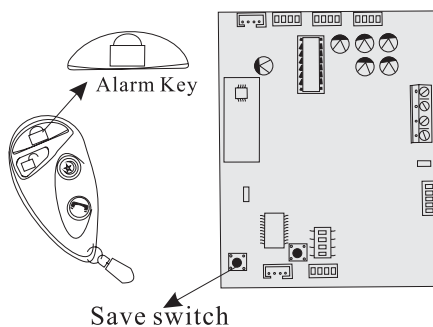
2.Sensitive selection switch: when the switch dialed to ON means low, when switched to OFF means high.

3.When this it switched to ON, DDP-988 set to be active detection model, this model is not energy saving model, under this model, it can receive the wireless signal form the wireless detectors, when the studied detector intruded, DDP-988 will receive signal, and alarm. When switched to OFF, DDP-988 will set to be ordinal alarm model, this model is energy saving model, it is 30mA.
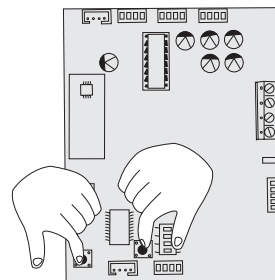
Notice: the original setting from factory: all the 1. 2. 3. 4 switches are OFF.

6.Code setting

1.Code. Intrude the wireless products, and the same time press the key SAVE, until the voice indicating means code successful. DDP-988 can study max 48 zones (including wireless detectors and remoter controller, the code of remoter controller as following picture)

2.Code delete:If the remoter lost or destroyed, in order to prevent any not allowed operation, the code should be deleted. The method as following: press the key SAVE on DDP-988, and then press the key TAMP, the signal light will flashing at this time, until the signal light stop, stop the TAMP and SAVE key, the code is deleted. Alarm key, SAVE KEY

Alarm Key

Save switch

7.Specification:

Model: DDP-988

Input power supply: 15VDC
Battery voltage: 12V/15V
Detection distance: 6M
Emission distance: 20-30ms
Receive distance: 20m
Control panel mode: 8mA,
flash light:700mA

Datasheet of optic lens
Infrared zones: 11*2
Max cover area: 6m*1m*2m / 90°

Alarm and dismantle proof:
Wireless alarm output: wireless signal
                                        emission
Wired alarm out put: solid relay, N.C or N.O
                                above 100mA/30V

Emission frequency: 433MHz/ 430 MHz
Installation:
Installation height: not above 1.8m
ceiling mounting height: 2.0-5m

Bracket1:
Bracket installed in surface, it can be installed
on wall, wall corner

Working temperature: -10℃ to 50℃
                                    (14℉ to 122 ℉)
Preserve temperature: -20℃ to 60℃
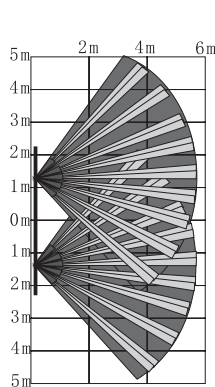   (-4℉ to 140 ℉)
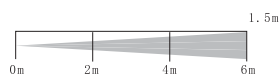Anti Light interference above 8000Lux
Anti EMI: Above 30m/v, 30MHz1 Ghz
Size: 245*115*40mm

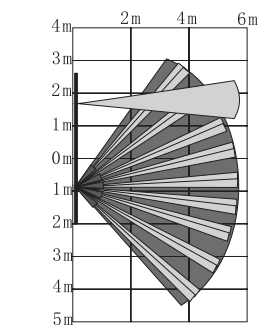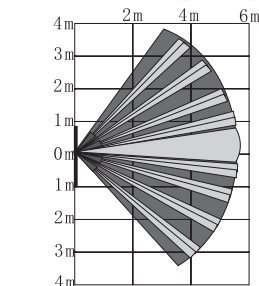**Infrared part (picture)**

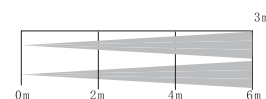

Linear detection top view picture

Intersectional detection
top view picture
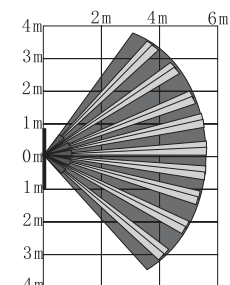

Lever detection top view picture

Linear detection side view picture
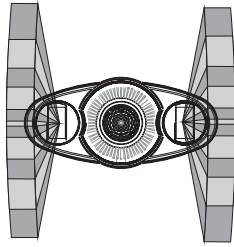

Intersectional detection side view picture
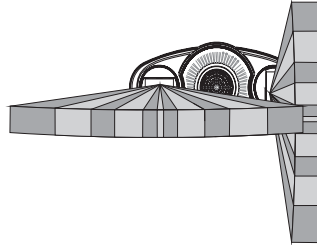

Lever detection side view picture
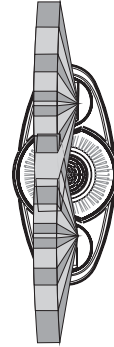
8.Test to the cover zone

As the infrared detection zone is 360° adjustable, we can divide the detection models into 3 kinds: as the picture 1 showing, after connect the electricity, begin to test after 2 minutes.
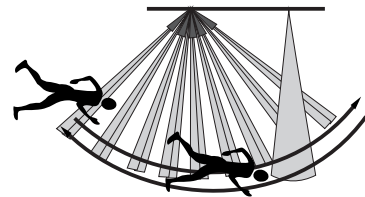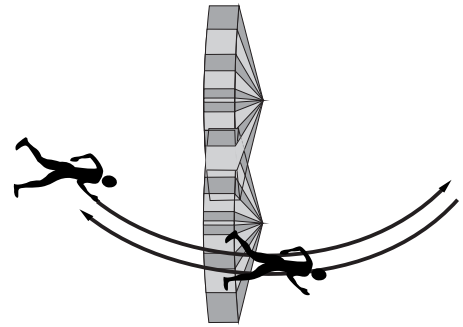
Linear detection picture   Intersectional detection picture   Lever detection picture

1.take the linear detection as example

2.move with in the covered area form any side at the speed of 0.75m/s, and the distance with in 3m, then the movement will lead to alarm light lighting, it is alarm state. (as the right picture showing)

3. Test form the opposite side, to confirm the perimeter and enable the detector center to the protected center.

4. When installed on wall, rise hand slowly, and enter into the detection area, note the area covered by the PIR, repeat the above moment again and again to confirm the detection area.

5. The detection center should not slant upward, if it can not get the reasonable detection distance, the detection distance should be adjusted up and down, to make sure the direction will not too high or too low.

6. When choose Intersectional detection or Lever detection, please switch the dial switch 1 to or.

7.After adjusting detection angle, test it according to the above steps again.

> ⚠ **Important notice: in order to make sure ever detectors work well with perfect functions, the test should be make once every week.**