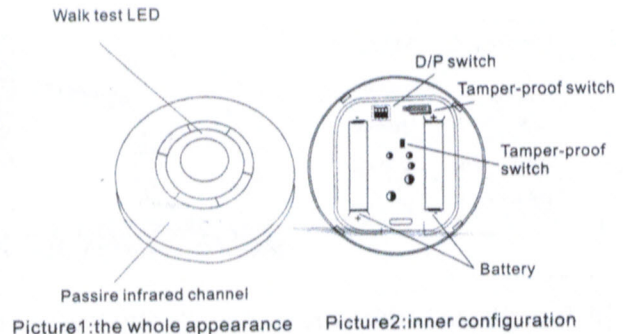


# DM-7380R Wireless PIR Intrusion Detector

## 1. introduction

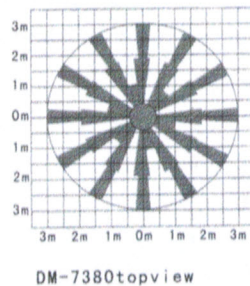
DM-7380R series is an intrusion detector with energy accumulation processing and dynamic Metrixing time chip. Its built-in Fresnel increases the energy receiving efficiency, and the sensitivity is high without false alarm. Furthermore, it can distinguish which factor may cause false alarm. Optional impulse insures suitable for indoor with digital micro-processing. Advance true motion recognition technology enables recognize the intruder from other interfering factors. Multi-mode and capability optional, which fit for various indoor environment and solve all kinds of interference, prevent false alarm and loss alarm. Use the big capability battery, have saving-power mode, and have a longer use life than the others.



## 2. Specification

model: DM-7380R

detect distance: 6\*6m (25°C)  
emitting distance: 120-150m (ground distance)  
voltage input: 3VDC (the model is: 5AA, 2)  
stay consumption: 30  $\mu$  A  
emitting instant current: 8mA



Installation:  
surface or wall mounting, height 1.8-2.5 m (6-8 feet)

work environment:  
work temperature: -10°C-50°C (-14°F-122°F)  
storage temperature: -20°C-60°C (-4°F-140°F)

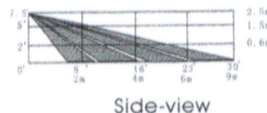
Anti-light (indoor): >9000 LUX  
Dimension: (H\*W\*H) 95\*64\*49mm

red part (as right picture)

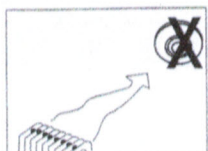
optics-lens data

emitting frequency: 433MHz

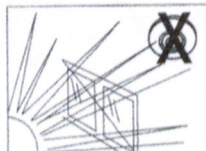
alarm indication: LED indication light for 2s.



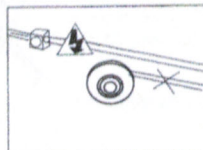
## 3.1 Installation



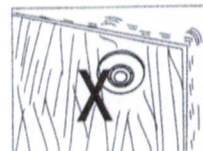
Don't face cold or heat directly



Don't face the sunshine directly



Don't install on a unstable base.

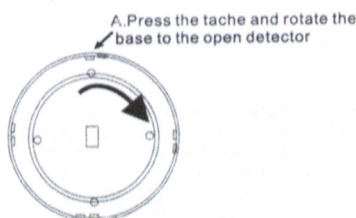


Don't install on a unstable base.

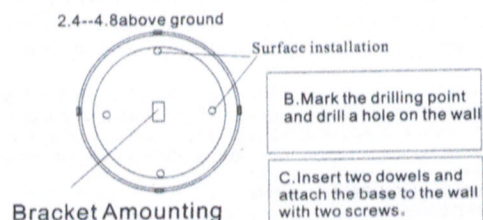


## 3.2 Installation

1. Analyze steps:



2. basement of installation:





## 4 Instruction of code switches:

DM-7380R have 3 pluse to optional:

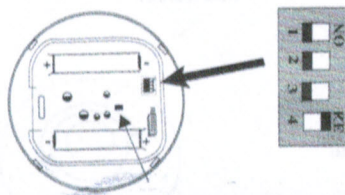
1Pluse: It'll alarm when the detector test one pluse.

2Pluses: It'll alarm when the detector tested two pluses.

3Pluses: It'll alarm when the detector tested three pluses(default)

The more pluse have, the less sensitively, but can reduce flase.

DIP/switch	Mode
1 2	work mode
ON OFF	1pluse
OFF ON	2 pluses
OFF OFF	3pluses



Tamper switch wired jumper: connect one stand for tamper connect two mean to no tamper

DM-7380R can be setting by 3 work mode:

Test mode: It have not any time internal when the detector triggered and send alarm signal. This is the default mode when installed test.

Normal mode: the detector will be test every 2.5min, send a monitoring signal every 65mins, report the status of detector and battery

DIP/switch	Mode
3 4	work mode
ON OFF	test mode
OFF ON	normal mode
OFF OFF	code mode

Note: code switch 4 is the factory default mode

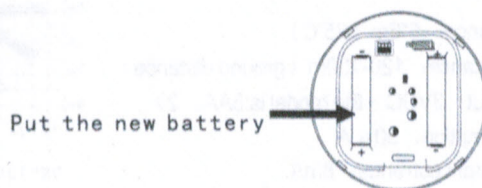
## 5. The method of setting code between detector and panel:

The code setting:

- ① Put the detector seted on normal mode, installa the battery, the LED will right for few seconds. Put the detector seted on code mode (panel code setting as reference the maunal) press the confirmation key within 3s:
  - A. Wave on the frontispiece of MD-7380R detector will send a alarm signal to panel, if the panel give a indicated sound, it means code is right.
  - B. Press the tamper switch several times, the detector will send a alarm signal, if the panel give a riceprocal indication sound, it means the code is right.
- ② Use the press address code to make code. Put the panel setted by manual mode, and then enter the 9 digit address code label, so that it has a high rate to success.

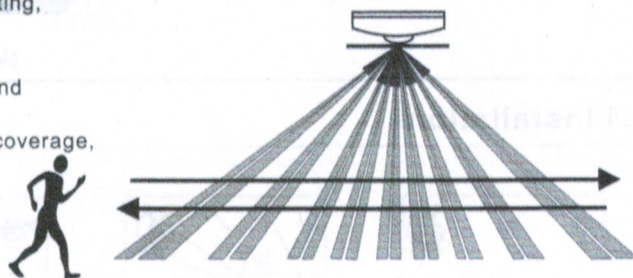
## 6. Change battery:

When the detector send signal, if the LED flashed, it means battery is weak, the detector will send a low voltage signal to panel. So the user should change battery.



## 7. Perform walking test to the detection area: install the cover and close the fasten part

- ① Put the detector setted on test mode, so that can test the step-testing, pluse counter need setted on 1, 2 or 3
- ② Walking breadthwise at the remote and of the detection coverage at the speed of 0.75m/s within 3m, then will trigger the detector and the LED indications 2-3 seconds.
- ③ Testing in different direction to confirm the two boundaries of the coverage, ensure the detector is appoint to the central desired area.
- ④ the center of detection zone should not uphill incline. To obtain a good detection range, please adjust the vertical detection range, ensure the detector is in a correct position.
- ⑤ After MW sensitivity or detection angle are adjusted, walking test must be performed according to the above steps.
- ⑥ After the test is ok, please turn test mode into normal mode.



## 8. Special comments

Even the most sophisticated detectors 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 should be 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 to 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 interference 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 verified 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 user's authority to operate the equipment.