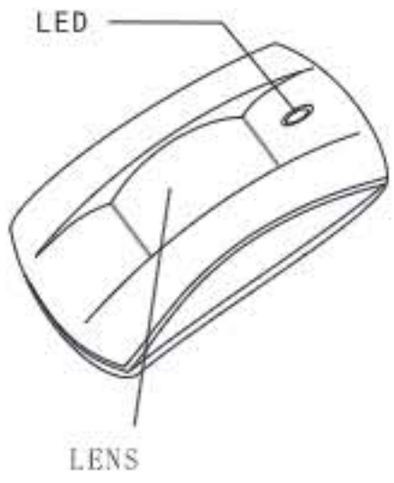
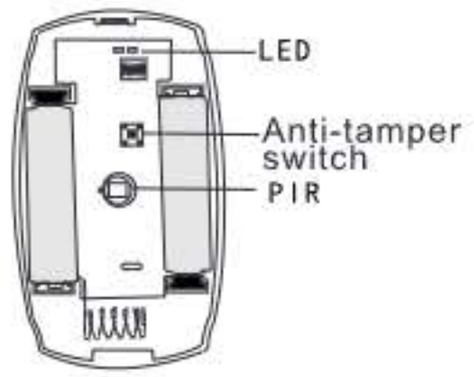
DM-448R Wireless curtain detector

1.Introduction

DM-448R is a style of intelligent direct-recognize curtain PIR intrusion detector, it adopts energy-pile up logical process, random dynamic time split technology. DM-448R series adopt precision column lens to upgrade receiving effect, with high sensitivity but without false alarm. It can recognize direction, and install mode optional. With anti-tamper function, you have no worry about someone to dismantle. Fit for indoor installation, and work with common battery, unique energy-svaing mode enable the work life of battery longer than one year.



Appearance



Internal structure

2.Specification

Model: DM-448R

Detect angle:20。

Detect distance: 6m/25℃

Transmit distance: 150m（open air）

Input voltage: 3VDC（2*1.5V）

Current consumption:

Static≤25μA, Alarm≤15mA（433MHz）

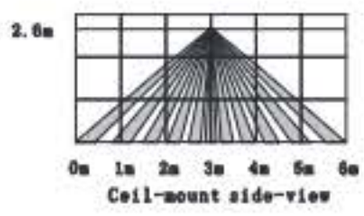
Alarm output: wireless signal transmitting

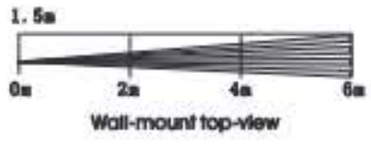
Anti-tamper output: wireless signal transmitting

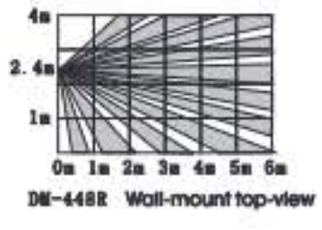
Transmitting frequency: 433MHz

LED indication: **Red LED and Blue flashing at the same time:alarming;Blue LED flashing alone: detect people move in the right direction,but no alarming(when you turn pirection function ON)**

Note: when low battery, please change new one in time.







wall mount height: 1.6-2.4m

Ceil mount height: 2.5-4m

Woking temperature: -10℃-50℃（14℉-122℉）

Storage temperature: -20℃-60℃（-4℉-140℉）

Anti white light: more than 8000 LUX

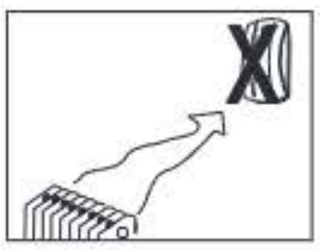
Anti EMI: more than 30V/m 30MHz-1GHz

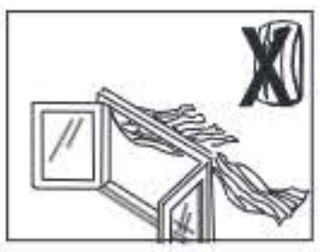
Dimension:

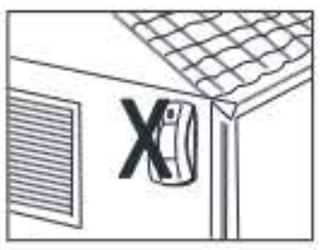
（L*W*H）: 90*50*40mm

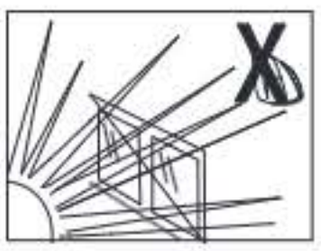
3.installation

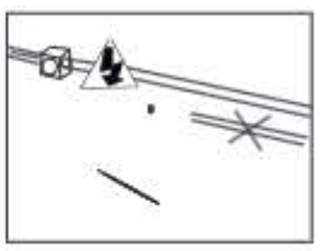
3.1General guidelines

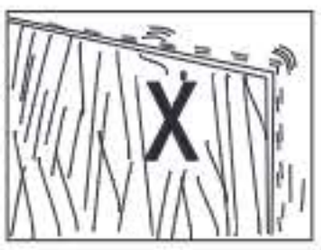

Do not face cold or hot directly


Do not open the window in protect area

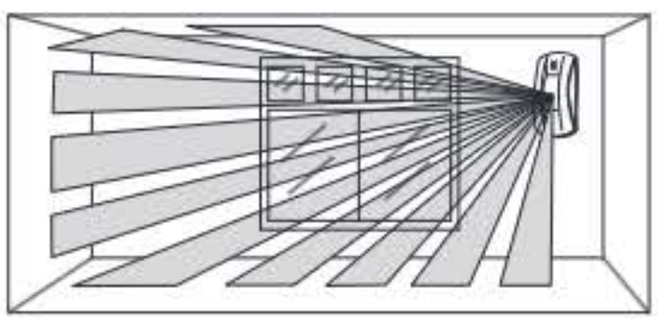

Do not install outdoor

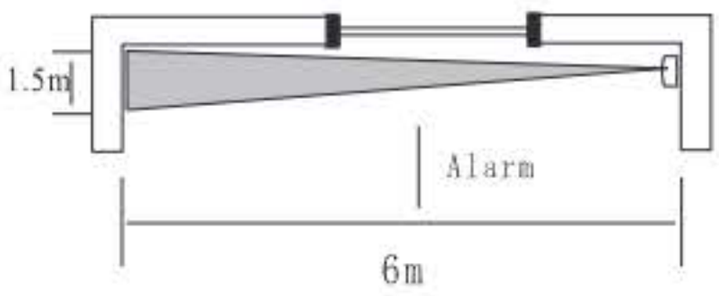

Do not face the sun directly

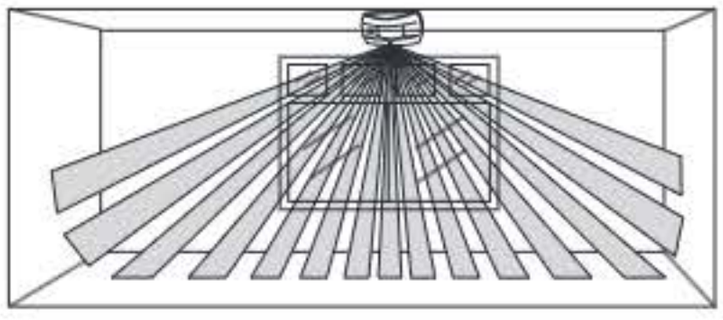

Do not instal near high voltage cable


Do not install on a loose basement

3.2 installation

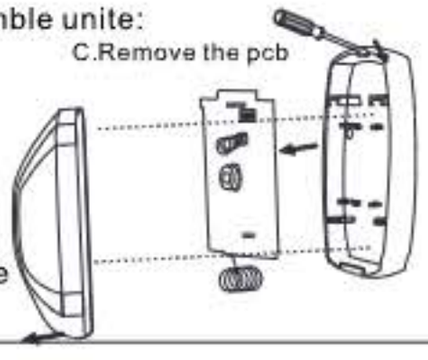






3.3 On installation procedure

① Disassemble unite:



A.Press the tache lightly

②Install the base cover:

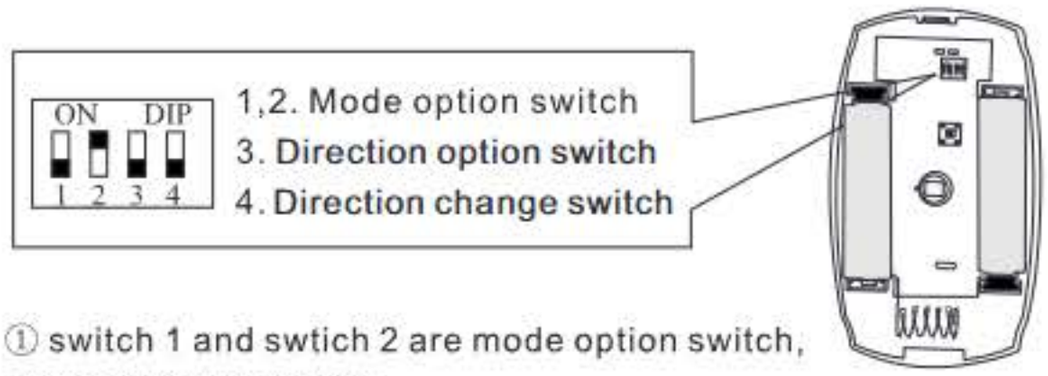


A.Mark the drill point on the wall

B.screw in to fix the base cover

C.install the pcb in the cover

3.4 Instruction of code switch



① switch 1 and swtich 2 are mode option switch, work mode see below:

1	2	Work mode
ON	OFF	Test mode
OFF	ON	Power save mode
OFF	OFF	Coding mode

The detector can set below three work mode:

Test mode:there are 20s dormancy stage after detector alarm. It won't alarming within dormancy stage.This model as factory default.

Power-saving mode:there are 3 mins dormancy stage after detector alarm,and no alarm within this period

Coding mode: press the anti-tamper switch for3s, and send a code to receiver

② Function of Switch 3 and switch 4 see below

Switch	Function	Default
3	Direction option switch	OFF
4	Direction convert switch	OFF

Switch 3: Direction option main switch. When set this switch "ON", direction recognize function if effective, when set "OFF", direction recognize function is ineffective.

Switch 4: Direction convert switch. If set this switch "OFF" and detect direction is from left to right, then you can set this switch "ON", the direction is from right to left.

Switch 5: alarm delay or instant option switch. set switch 1and switch 2 as test mode and set direction recognize switch 3 as On, and this switch set OFF. Then if user pass through the permit direction and trigger the detector, but if user get back in 15seconds,the detector wont make alarm. If after 15s, user get back through the protect area, the detector will make alarm. Set switch 3 "ON", switch 5 "ON", if trigger the detector, and pass in non-permit direction in 3minutes the detector won't make alarm. If pass in non-permit direction it will make alarm.[we suggest user set switch 5 OFF（15s）under noraml work mode].

Note: when direction recognize function On, in 5meters it can recognize direction clearly, but if further than 5 meters will cause false discriminate.

3.5 Code to control panel

Make sure first the detector is under coding mode, then press the anti-tamper for 3s then release. After hear the panel's indication sound then finish coding. About the panel coding setting please read the manual of panel.



FCC WARNING

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. 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 communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.