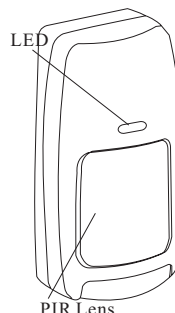


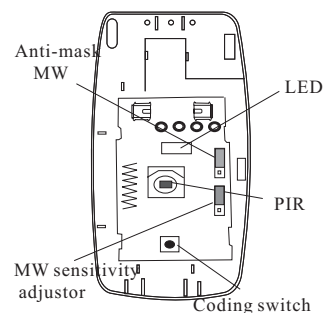
Installation Guide of MC-760R PIR Intrusion Detector

1. Introduction

MC-760R series Detector is a digital micro-processing dual-tech detector adopting the technology of DMF (Digital Memory Focus), DMT (Dynamic Matrixing Time). The PIR parts adopt column lens to increase the effect of energy-receiving. The MW parts adopt advanced plane antenna microwave transmission and four-layered screening technology. Its advanced anti-pets function can prevent wrong alarm to a 15 KG pet or 8 cats, insects, mice or birds etc. MC-760R has overcome the interference that common detector can't prevent, and it won't trigger wrong alarm or miss alarm so it is far excellent in function than common detectors. With the built in large capability battery and the exclusive electricity save up model, it can be used for a long time of as twice as the other brand detectors.



Picture 1:
appearance



Picture 2:
internal structure

2. Specifications

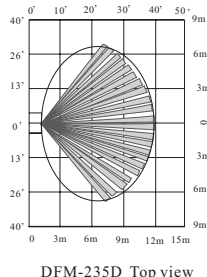
Models:
MC-760R

Detection Range: 10m*10m

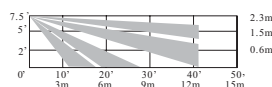
Input Voltage: 3 VDC
Current Drain: About 20 mA (common)
5mA (alarm)

PIR Section: Lens Date
NO. of Curtain Beams: 11+5 (Typical)
Max. Coverage: 12*12m /90°
Tripping Indication:
Indicator lights for about 10 seconds

Alarm indication:
The LED lighting for 2-3 second



DFM-235D Top view



DFM-235D side view

Mounting:

Surface or corner, at the height of 1.8 to 2.4 m

Note: Base allows single-sided corner mount at 45° to wall

Accessories:

BR-1: Surface mounted swivel bracket, adjustable 30° down and 45° left or right.

BR-2: BR-1 with a corner adapter

BR-3: BR-1 with a ceiling adapter

Environment:

Operating Temperature: -10° C to 50° C (14° F to 122° F)

Storage Temperature: -20° C to 60° C (-4° F to 140° F)

Anti white light: >9000 LUX

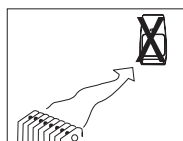
Physical

Size (H*W*D): 95*64*49 mm

This device is coherent to Europe parliament direct 1999/5/EC necessary items and rules, and also coherent to the main spirits of radio and telecom terminal equipments on March 9th. 1999. The device also reaches the Canadian standard RSS-210. It can be used indoor and outdoor, which can reach its maximum protection and avoidance of above interference.

3. Installation

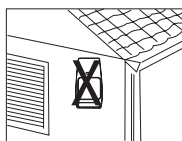
3.1 General Guidelines



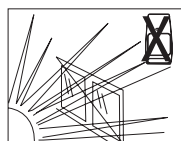
Don't face cold or heat directly



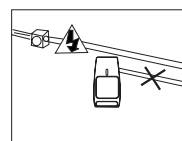
Within the detecting range, the windows cannot be opened



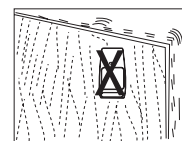
Can not be installed in the open air



Don't face the sunshine directly

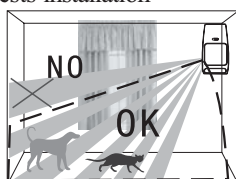


Wire connection or detector can't be near to high-pressure cable

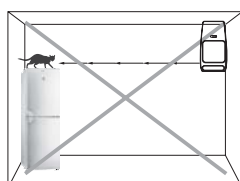


Don't install on an unstable base.

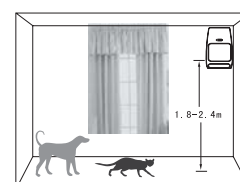
3.2 Anti-pests installation



The upper part of the detection area is non anti-pests area



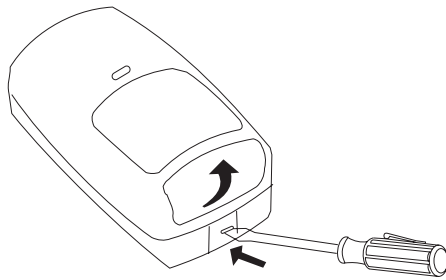
Never face the detector to the place that pests can climb up directly



The installation height of the detector is 1.8-2.4 meters can Anti-pests

3.3 Illustrated Installation Procedure

3.3.1、Disassemble unit



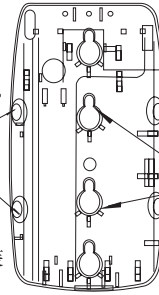
A. Loose the screw

3.3.2、Mount base

1.8-2.4m (6-8ft) above ground

Single side 45°
angled side

建议角落安装



Surface
mount
(1 of 2)

A. Mark the drilling points
and drilling the wall

B. Route the wires into the
base VIA the rear channel

C. Insert two dowels and
attach the base to the wall
with two screws

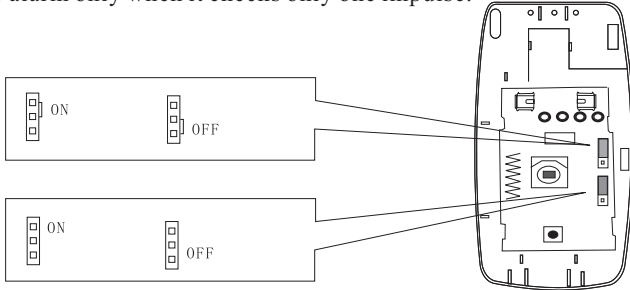
D. Insert the bottom edge of
the large PCB under this
TAB & Press the top edge in

3.4 Function explanation of code switches:

The setting of the skip line:

The skip line 1 is the LED control switch, when it skips to ON, the LED lighting; while it skips to OFF, the LED light closed.

The skip line 2 is the impulse selection switch, when it skips to ON, the detector will be start up to alarm only when it checks two impulse. When it skips to OFF, the detector will be start up to alarm only when it checks only one impulse.

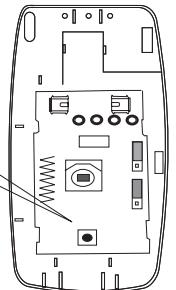


3.5 The code way of detector and the control panel.

Code setting:

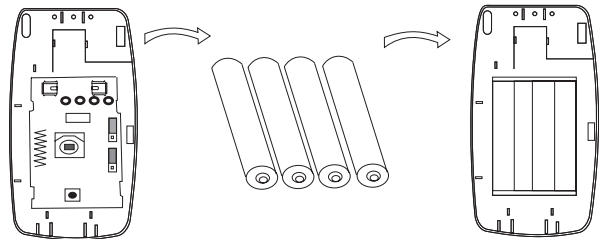
Dismantle the battery insulation slice, at this time, the LED light lighting. Please do code program to the alarm control panel at this time. After the setting of the control panel have already done the code to the protected area, press the dismantling proof switch, then you will hear the control panel sounds and hint for you that the code to protected area is successful.

Press this switch for code setting



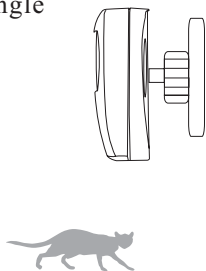
3.6 How to change battery

When the detector has been used out of power, it will send out the single of lacking electricity to the control panel, at the same time, the detector flashing for indication, and then you need to change battery for the detector. Draw the PCB board; follow the steps as below to change 4 purchase AAA new battery. (as the picture in the right showing).

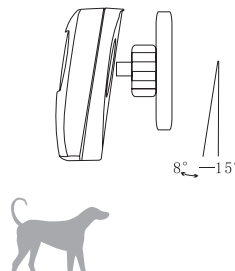


3.7、Setting of detection angle

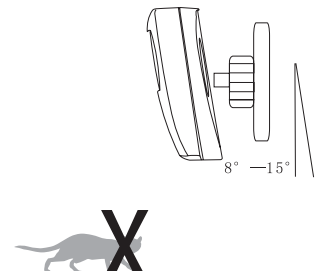
When multi-function bracket is used (optional), installation should refer to the right diagram, adjust installation angle, in order to get needed detection scale and function



At this angel, sensitivity is in middle. Pet immunity up to 10Kg animal



At this angle, detection angle is largest, Lower section sensitivity is low. Pet immunity up to 20Kg animal

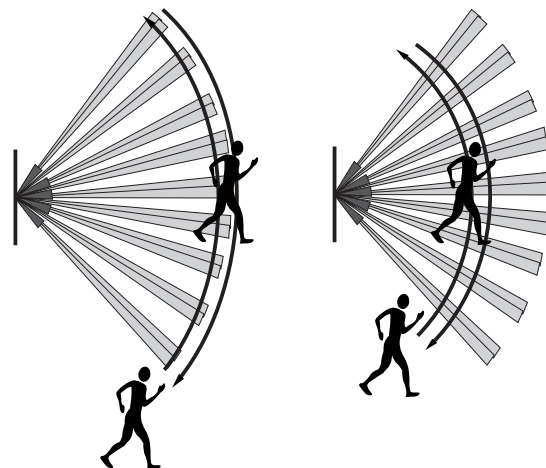


At this angle, detection angle is smallest, sensitivity is highest. no pet immunity function.



3.10、Perform motion test to the detection area: install the cover and close the fasten part (refer to the right diagram)

1. Start the test at least 2 minutes after power supply
2. Crossing to any direction of the detection area, your walking with 0.75m/s will cause the LED indicator to light for 2-3 seconds (refer to the right diagram)
3. Perform motion test from contrary directions in order to confirm the boundary of two sides. Make confirmed that detection center pointing to the center of protected area.
4. Away from the detector 3 to 6 m, raise slowly your arm and reach into the detection zone, mark the lower limit of PIR detection. Do the same step to confirm the upper limit.
5. 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.
6. After MW sensitivity or detection angle are adjusted, walking test must be performed according to the above steps.



The testing period and working period

Testing period: after charge or the dismantle proof switch been pressed, the detector do self checking for 30 seconds then it get a period time of 6 minutes for test. Within the test period, the human body moves according to the set direction until the system alarms, then the indicating light lights and sends out the wireless alarm signal.

Working period: after the testing period of 6 minutes, it is the working period. Within this period, the human body moves according to the set direction (such as enter into the room), if the LED ON is opened, then the indicating light lights and sends out the wireless alarm signal. Then close the alarm, and test to see if any body is moving, until to the set alarm start up time, the system does not detect the body movement, and confirmed to be away, then the detector can be started again. When the human body moves against to the set direction (such as leave the room), the system does not alarm, Then close the alarm, and test to see if any body is moving, until to the set alarm start up time, the system does not detect the body movement, and confirmed to be away, then the detector can be started again.

Alarm start-up time: it is set by the changeable electricity location of the detector. 15s-140s default as 140s.

Special notice:

After the reposition of the dismantle proof and magnetic switch on the detector, you will then get a period time 6 minute for test. Within this time, after the finish of automatic test, you can arrange the walking test. 6 minute later, the system enters into the working period. After one time alarm within the working period, the system will check if there is any non-human activity for 140 seconds. Only after confirming that there is no human activity for 140 seconds continuously, the detector will then start up the detecting model.



Important mention: Motion test shall be performed at least one time each week in order to guarantee that each detector can keep excellent function.

4.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 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 ins-tructions ,may cause harmful in-terference 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:

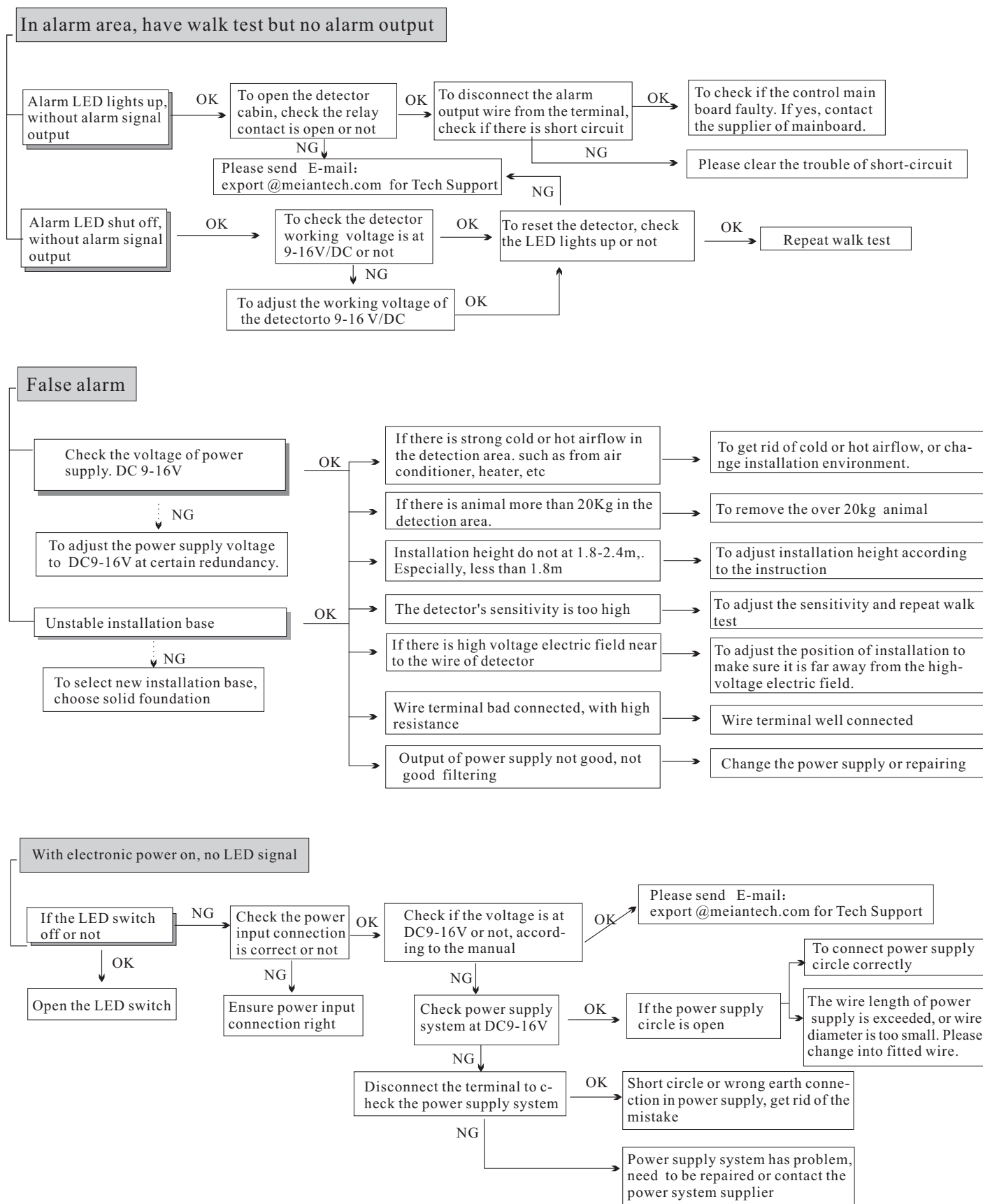
- Increase the distance between the device and the receiver.
- Connect the device to an outlet on a circuit different from the one that supplies power to the receiver.
- Consult the dealer or an experienced radio/TV technician.



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.



5、Solution of usual problem



P/N 1112 5002 A 1

