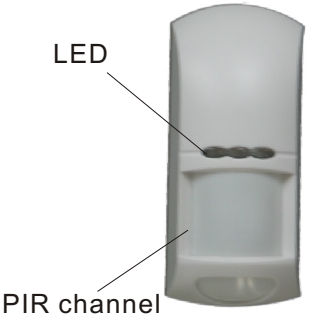
WIRELESS PIR INTRUSION MANUAL

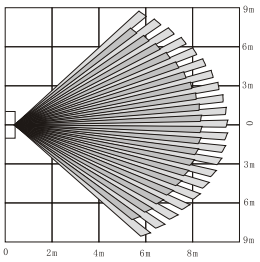
1.Introduction

MC-8250R DMTis PIR intrusion detector with pet immunity function. It adopts DMT and it is a digit micro processing control intrusion detector. With fine cylindrical FRESNEL lens, it effectively improves energy saving efficiency and high sensitivity and free of false alarm. By using advanced patented software, it can tell difference between the real intruder and other interference factor witch may result in false alarm. It has super strong detection sensitivity and lower false alarm. Pulse counting can be adjustable. It is widely used in various indoor applications and free from the false alarm which other similar indoor detector can not avoid. Built-in big capacity lithium battery, power-saver mode, its working life is up to 2 year or above.

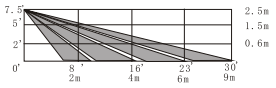


2. Specification

Model:
MC-8250R DMT
Detection range: 9m (25℃)
Emitting distance: 120-150m (in the open area)
Input voltage: 3VDC (model CR123A lithium battery)
quiescent current: ≤30μA
emitting current: ≤15mA
infrared area(as shown)
Optical lens data
detection angle: 110°
emitting frequency: 868MHz
Alarm indication: LED flashes 2 seconds.



Wall mounting wide angle lens view

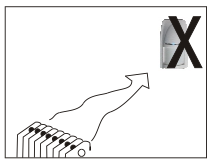


Side view

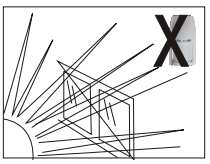
Mounting:
Surface or corner, at the height of 1.8 to 2.4m (6-8feet)
Note: Base allows single-sided corner mount at 45° to wall
operation condition:
Operating Temperature: -10°C to- 50°C(14°F to 122°F)
Storage Temperature :-20°C to -60°C (-4°F to 40°F)
Anti white light interference: 9000 LUX (indoor)
Size: (L*W*H)95*64*49mm

3.Installation

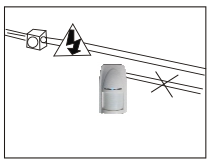
3.1 Notes



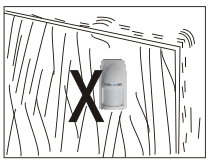
Don't face cold or heat directly



Don't face the sun-shine directly



Do not install near electric cables

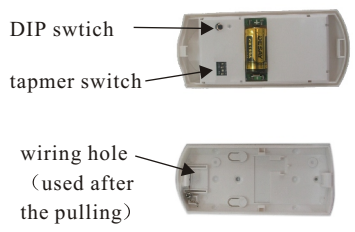


Don't install on a unstable base.

Don't face metal wall

3.2 Installing step

A. Use the screwdriver to open the top and then install



Back is the bracket installingplace (bracket is optical)

A. Drill at installingplace
B. Induct the wiringto the shell fromthe back
C.fix the bottom shellin the wall withthe screwdriver
D. Combine the upperand lower lids

descriptions : Can choice the underside installation, install on thewall with the 45°, bracket installing .And the bracket installing is the most convenientway.

P/N:20091110E01

4. Dip switch function specification

PE-81R DMT choose the pulse counting as belows:

1-pulse： alarm once detect 1-pulse

2-pulse： alarm once detect 2-pulse

3-pulse： alarm once detect 3-pulse(default）。

more pulse counting then lower sensitivity to reduce false alarm

1	2	Mode
ON	OFF	1-pulse
OFF	ON	2-pulse
OFF	OFF	3-pulse

PE-81R DMTcan set three working modes as belows:

TEST：Send alarm signal once the detector is triggered, no time lag between two signal sending, default mode for installation testing. Send a check signal to report the status of detector and battery

CODING：when the detector is under operating status, inverse it to make it send an address code to control panel.

Dip switch 3 and 4 setting modes：

3	4	MODE
ON	OFF	test
OFF	ON	normal
OFF	OFF	coding

5. Coding method between detector and panel:

Coding setting:

① Set detector as Normal mode, place the battery and LED will flash seconds. Set panel as Coding mode.(Panel coding please refer to panel manual),within 3 seconds when press the configure key of the panel:

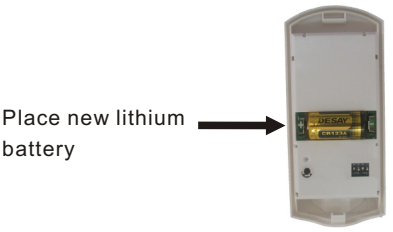
★ Wave hands near the front side of PE-81R DMT, detector will send a alarm signal to the panel. If the panel sounds a response then code successfully.

② Enter the address code to code with the panel. Set the panel as manual coding mode and enter the 9-digit address code. This will be a higher probability of coding success.

6.Change battery:

If LED flashes when detector sending signal that means a low battery condition. User should change new battery with same model.

Place new lithium battery



7. Walk test in coverage area:

① Set as Test Mode to proceed walk-test, pulse count set as 1,2 or 3.

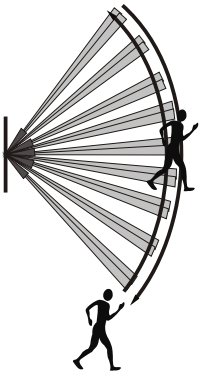
② Walk across the far edge of coverage area at the speed of 1 step/second(about0.75m/s) The LED will flash for seconds then alarm（as shown in the right figure）.

③ Do walk-test in opposite direction to confirm the boundary of both sides, Make sure the detection centre pointing to the centre of protected area.

④ Make sure the detection centre at the proper place. Should properly adjust the detection area if you can not get an ideal detection area.

⑤ After adjust the detection angle , should redo the walk test as above.

⑥ Please change TEST mode to NORMAL mode after the Walk-test.



8.Customer service

Our products are very reliable，but for some special reasons, the working performance will be limited in certain range. We here list some cases as follows：

①. The voltage of control panel is not stable；

②. Low-voltage of the detector.

For any help please contact with our company and your could visit our website for more information.。

Warning: We are not responsible for the problem caused by improper operation by users!