

Installation Guide Of DT-700DMT

Pet-immunity Dual-tech Detector

1. Brief Introduction

This PIR/MW intelligent comprehensive detector with micro-controlled (man intelligence) is a device fit for indoor/outdoor usage. advanced "True Motion Recognition" and "Pet-immunity" algorithm allows it to distinguish between the true motion of an intruder and any other disturbances which cause false alarms. Its auto-memory of environmental changes can prevent the false alarms caused by animals, hot/cold air and working machine effectively in this way. the MW&PIR can totally play a stable function in the protected area. When it is used indoor together of which the resistance of white light up to 9,000LUX, the false Alarm of PIR section can be totally avoided.

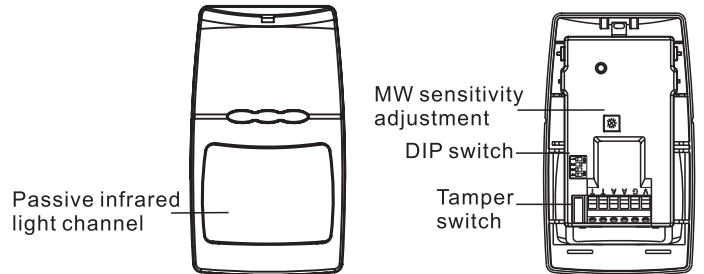


Fig. 1 overall appearance

Fig. 2 internal structure

2. Specifications

Model: DT-700DMT

Maximum detection distance: 10~12m/25°C

Input voltage: DC9~16V

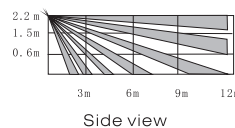
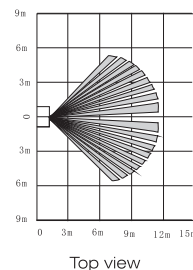
Working current: Normally closed mode,
the normal operating current $\leq 30\text{mA}$
Alarm current $\leq 18\text{mA}$

Infrared section (as shown at right)

Optical lens data sheet

Infrared area: 9+5+3 (typical)

Maximum coverage: 11m * 11m (36 * 36 feet) / 90°



Alarm and tamper switch

Alarm output: Solid relay, NC.

less 100mA/30V, --10Q internal impedance

Tamper switch: NC, 50mA/30VDC

Alarm indication:

When the yellow LED is on, the MW triggers the alarm

When the green LED is on, the infrared triggers the alarm

Detector alarm and alarm output when red LED is on

Power self-test time:

30 seconds, self-test when the three LED flashes one by one.

Installation:

Wall or corner installation, the installation height of 2.0-2.4 meters (6-8 feet) from the ground

Note: The single side of the base to wall at 45 degree is allowed.

Working environment

Working temperature: -10 °C ~ +50 °C (14 °F - 122 °F)

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

Anti-white light(indoor): > 9000LUX

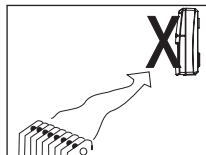
Anti-emi: 30V /m, 10MHz-1000MHz

Size : (L * W * H) 124 * 71 * 45 mm

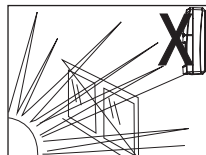
This device complies with Directive 1999/5 / EC and the terms of radio and telecommunications terminal equipment meeting the requirements of the spirit of the European Parliament March 9, 1999; and to meet Canada RSS-210 standard.

3. Installation

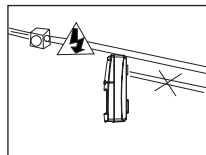
3.1 Installation notes



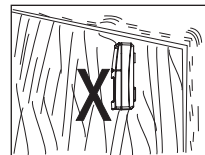
Don not face cool or heat source directly



Don not face the sunshine directly



Wire connection or detector should be away from High-voltage cable

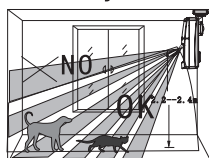


Don not install on unstable object

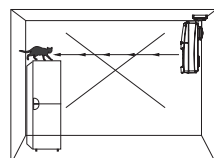


Don not install facing the metal wall

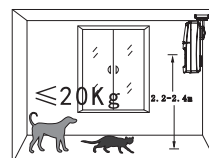
3.2 Pet-immunity manual



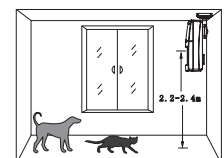
The top part of detection area is non pet-immunity area



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



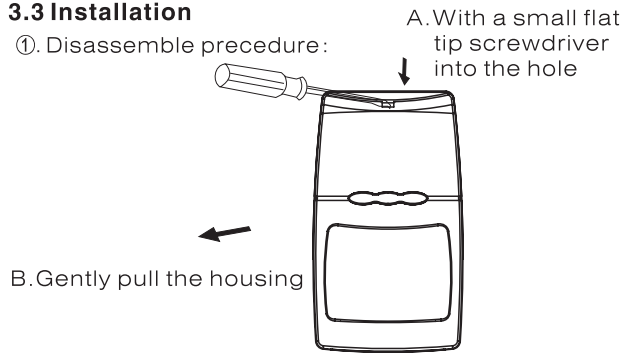
Pet immunity: $\leq 20\text{Kg}$ pets



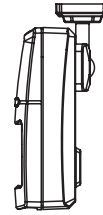
Pet immunity installation height: 2.2-2.4M

3.3 Installation

①. Disassemble procedure:



② Installed base: 2.0~2.4 meters from the ground



A. Mark the drill point and drill a hole in the wall

B. Pull wire from back slot into base

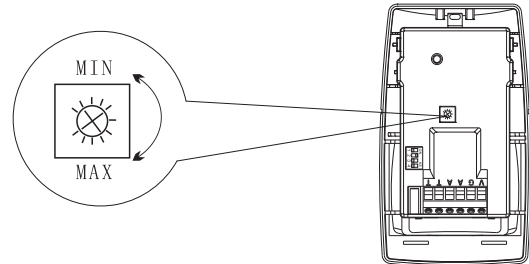
C. insert two screws, and the base with two screws to the wall

D. Press the Surface shell into the buckle tightly

3.4 DIP Switches function

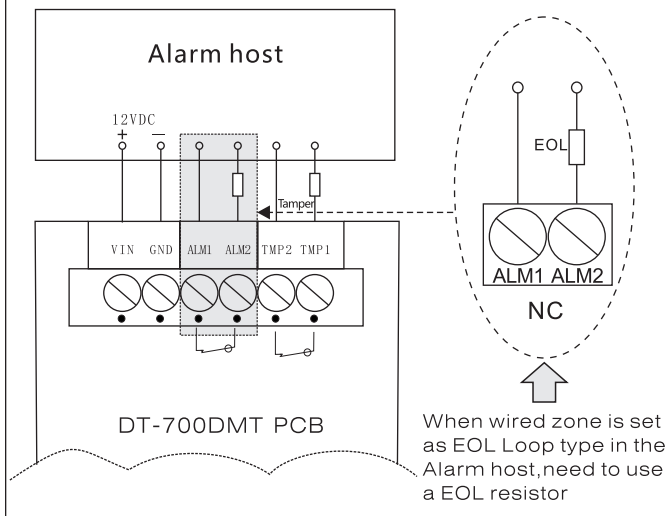
NO.	ON	OFF
1	LED ON	LED OFF
2	OR	AND
3	NO	NC
4	LOW	HIGH

3.5 MW sensitivity control



Circumvole clockwise means more sensitivity then otherwise, it is less sensitivity.

3.6 Terminal connection



3.7 Walk-test on the coverage area:

Assemble the front cover(as shown in figure)

① Electrify and self-check then start walk-test.

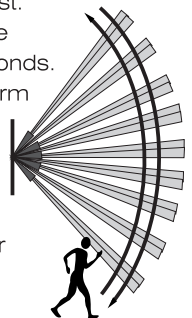
② Walk across the end of coverage area, the indicator LED should light red for 2-3 seconds.

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 Slowly put hands up the detection area where 3-6 meters away from the detector and mark the bottom border of the PIR alarm.Repeat to confirm the top border.

⑤ Make sure the detection centre at the proper place.Should properly adjust the detection area if you can not get an ideal detection range.

Important: To ensure continued good probe function, It is recommended to walk test the detector every three months.



4. 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 you could visit our website for more information.

Warning: we are not responsible for the problem caused by incorrect operation by users.