

# DT-7425DMT

## Pet-immunity MW/PIR Intrusion Detector

### 1. Brief Introduction

DT-7425DMT Intelligent PIR & MW Intrusion Detector is a digital micro-processing dual-tech detector adopting the technology of DMF (Digital Memory Focus), DMT™ (Dynamic Matrix Time). The PIR parts adopt nice Fresnel lens to increase the effect of energy receiving. The MW parts adopt advanced plane antenna microwave transmission, which has increased the control of MW detection range. In the way, high sensitivity can be reached from the distance of 2M(3.2 feet) to 11M (36 feet).

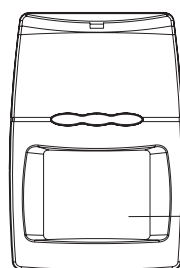


Figure 1. General View

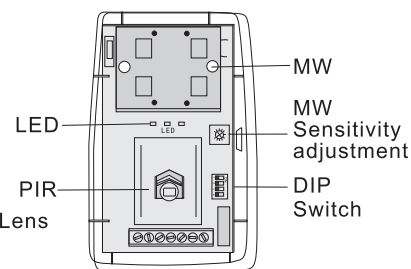
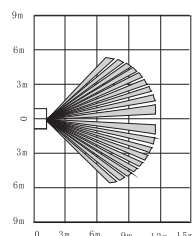


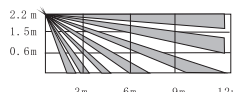
Figure 2. Inside View

### 2. Specifications

Model: DT-7425DMT  
 Detection Range: 11M  
 Input Voltage: 9 to 16V DC  
 Current Drain: DC12V @ 9mA  
 PIR Section  
 Lens Data  
 Infrared area : 9+5+3  
 Max Coverage 11m\*11m(36feet\*36feet)/90



TOP VIEW



SIDE VIEW

#### ALARM and TAMPER

Alarm Output:  
 Solid-state relay, N.C. less than 100mA/30V,  
 10Ω internal resistance:  
 Tamper interface: N.C. 50mA/30V DC  
 less than 100mA/30V,  
 10Ω internal resistance

#### Alarm indication

Yellow- MW  
 Green-PIR  
 Red - Alarm

#### Mounting

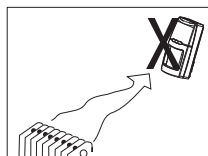
Surface or corner, at the height of 2.0 to 2.4m(6.5~7.8feet)  
 Note: Base allows single-sided corner mount at 45° to wall

#### operation condition

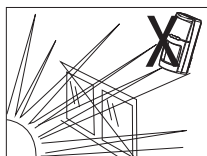
Operating Temperature: -10 C to 50 C(14 F to 122 F)  
 Storage Temperature : -20 C to 60 C (-4 F to 40 F)  
 Anti white light resistance: 9000 LUX (indoor)  
 Size:(L\*W\*H):125\*74\*43mm

### 3. Installation

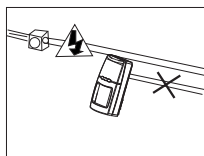
#### 3.1 General Guidelines



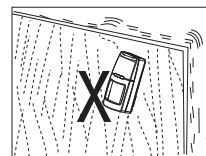
Don't face cold  
or heat directly



Don't face the sun-  
shine directly



Do not install near  
electric cables

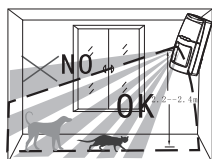


Don't install on a  
unstable base.

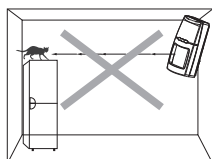


Don't face metal wall

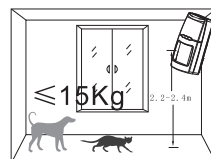
#### 3.2 Anti-pet installation



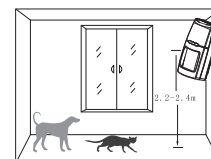
The upper part of the  
detection area is non  
anti-pests area



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



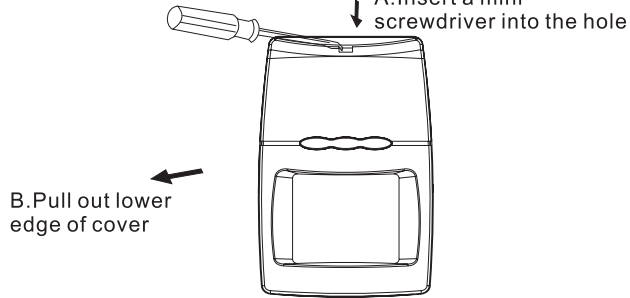
Anti-pests weight ≤ 15Kg



The installation height  
of the detector is 2.2-2.4  
meters can Anti-pests

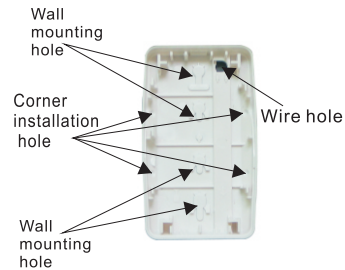
### 3.3 Illustrated Installation Procedure

#### 3.3.1. Disassemble unit



#### 3.3.2 Installation base

2.2-2.4 from ground



A. Mark the drilling points and drill in the wall

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

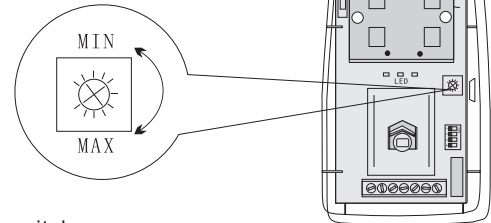
C. Insert two dowels and attach the base to the wall with two screws

D. Insert the bottom edge of the large Cover under this tab & press the top edge

### 3.4. DIP switch function

NO	Funtion	ON	OFF
1	Sensitivity choose	Low	High
2	N.O./N.C. choose	N.O.	N.C.
3	AND OR mode choose	And	OR
4	LED ON /OFF	LED ON	LED OFF

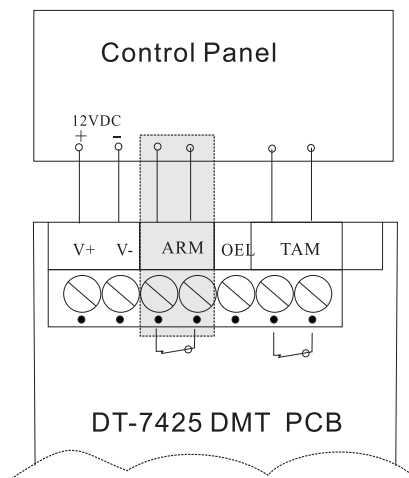
### 3.5. MW adjustment



MW adjust switch:

circumvole clockwise means more sensitivity  
then otherwise, it is less sensitivity

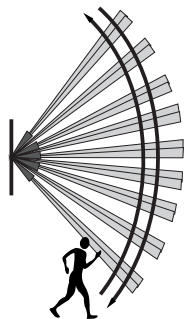
### 3.6 Terminal lining:



### 3.7 Walking test

Install the cover and close the fasten part (refer to the right diagram)

1. After connection with the power system will self-check
2. Walking breadthwise at the remote of the detection coverage should trigger the LED indications 2-3 seconds
3. Testing in different direction to confirm the two boundaries to the coverage, ensure the detector is appoint to central desired area
4. At 3-6m away from diliclor, 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 centre 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.



## 4. Special comments

Even the most sophisticated detector 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 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.