

## Preliminary Considerations

The DSWDDT Series of Dual Technology (infrared and microwave) motion detectors includes: DDT810DT, DDT811DT, DDT815DT, DDT825DT models especially suitable for harsh resident or commercial environments. The coverage is 10Mx10M for DDT810DT, 11Mx11M for DDT811PT, 15Mx15M for DDT815DT and 25Mx25M for DDT825DT.

## LET Features

Full pet immunity up to 45Kg dog, 6 cats. Superior catch performance. Installation height 2.0m. Detect coverage up to 11m.

## Shelter Immunity

Dual technology-MW and PIR technologies. The detector could be accurately detect the intruder when ever the cloak or/and mask to be made.

## LED Display

When LED Jumper is IN:  
Yellow LED indicates PIR detection  
Green LED indicates MW detection  
Red LED indicates alarm (simultaneous PIR and MW detection).  
When Memory Jumper is OUT:

Events on RED LED are latched.  
(for units with Memory only)

## Installations

a. Before installation, carefully study the space to be protected so as to choose the correct placement of the unit for best coverage. The detector should be installed so that the beam patterns are at 45° (optimal) to the intruder's expected path. Corner installations are recommended. Installation height should be between 2.3m and 2.5m for DDT 810DT, DDT815DT & DDT825DT and 2.0m for DDT811PT.

### b. Pet Immunity

In order to optimize pet immunity: Mount the detector vertically at right angles to the floor. Mount the detector at a height of 2m  
Note: PCB should be properly aligned opposite pet scale (Fig. 3)

### c. Terminal Connections

Wire the cable to the terminal block at the bottom of the PC Board as follows (Fig. 1):  
12VDC: Power supply inputs  
Alarm: N.C dry contacts  
Tamper: N.C dry contacts

### d. Jumper Settings

Set jumper in position corresponding to the desired pulse count (Abb.1)

### e. LED Display

When LED jumper ON:  
Yellow-PIR  
Green-MW  
Red-Alarm

### f. Walk Test

Replace front cover  
Apply power and wait until stabilized (>2 minutes)  
Walk through protection area (Fig.2 and Fig.3)  
Observe LED, immunity to any available pets

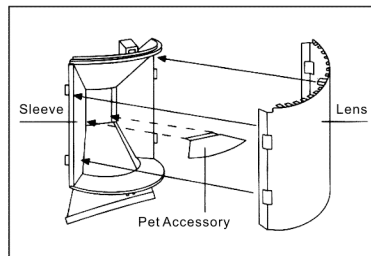


Fig.4 Len Change Procedure

## Specifications

Operating Voltage: 9 to 16VDC  
Current: 25mA at 12 Volts  
Alarm Contacts: 50mA, 24Voltes, NC  
Tamper Contacts: 100mA, 24Voltes, NC  
Alarm Time: 2.2s min  
Warm time: 2 minutes (4 min for RK125)  
RFI immunity: 30V/m at 10Mhz to 1Ghz  
Operating Temperature: -20°C to 55°C  
Storage Temperature: -20°C to 60°C  
Size: 128×64×40mm  
Mounting Fashion: Wall/Ceiling/Corner  
Swivel Brace: RA93

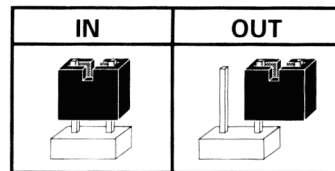


Fig.5 Jumper Positions

## Dual Technology With shelter Immunity

(DDT810DT/DDT815DT/DDT825DT/DDT811PT)



## Installation Instructions

## Main Features

- ◆ Dual IR and MW Technologies
- ◆ Microprocessor Design
- ◆ Pet immunity 100lb dog, 6 cats (only for DDT811PT)
- ◆ True Temperature Compensation
- ◆ Microwave Range Adjustment
- ◆ Pigmented Lenses
- ◆ Creep Zone
- ◆ Low Current Consumption
- ◆ High RFI immunity for false alarm prevention 20V/M up to 1GHz
- ◆ Free swivel Brackets for Wall & Ceiling/Corner Mounting
- ◆ Selectable Pulse Count
- ◆ White Light protection
- ◆ Anti-Fluorescent Interference Signal Processing
- ◆ Easy installation
- ◆ Compact and Attractive design
- ◆ Ideal for Residential installations
- ◆ Memory and Form-C Relay Models Available

## DSW WARRANTY

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Seller's obligation under this warranty shall not include any transportation

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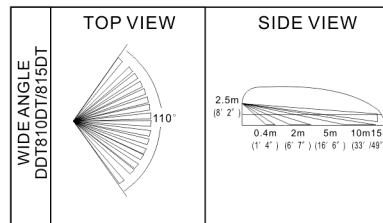


Fig. 2 View

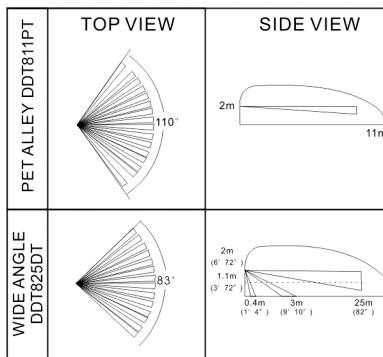


Fig. 3

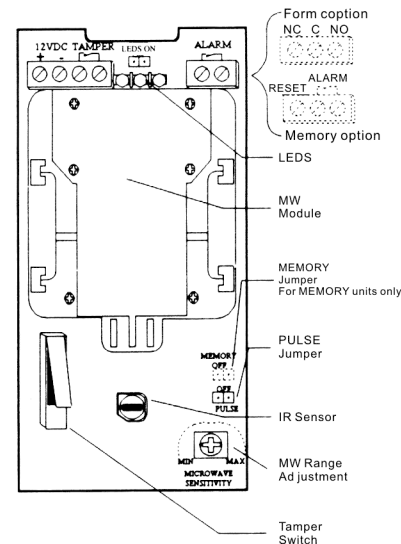


Fig. 1 General View