

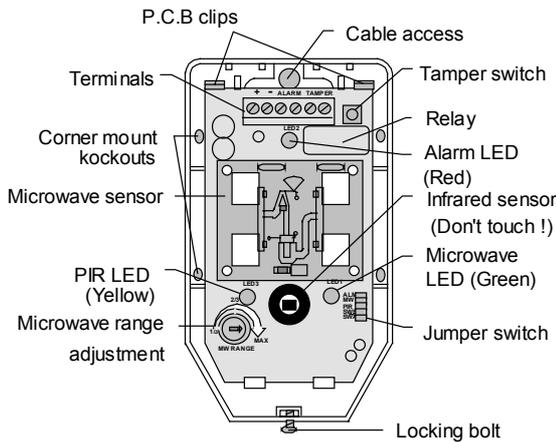


SECURITY LIGHTING

SLDT

PIR + Microwave Motion Detector

INTERNAL VIEW

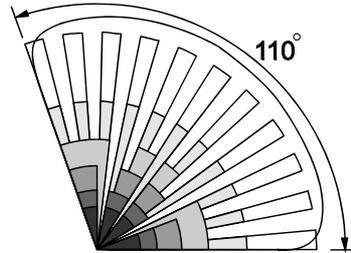


DETECTION PATTERN

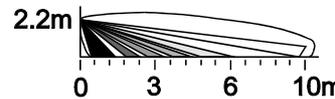
Model: **SLDT**

110°, 10 x 10m at 25°C

Top View

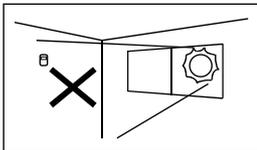


Side View

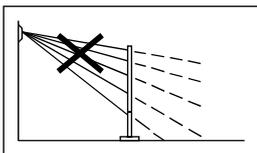


INSTALLATION HINTS

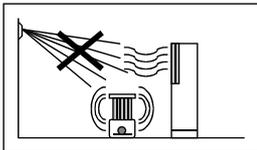
The **SLDT** may be either wall or corner mounted by applying different knockouts. Corner mount is generally recommended for optimum detection.



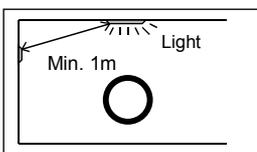
Do not install where the detector is in or facing direct/reflected sunlight, windows onto main roads (car head lights) or strong draughts / heaters.



Ensure that there are not any obstructions (plants, screens, furniture etc.) in the field of view which may cause incorrect cover/operation of the detector.



Avoid locating the detector in areas which contain equipment that may change the environment temperature rapidly.

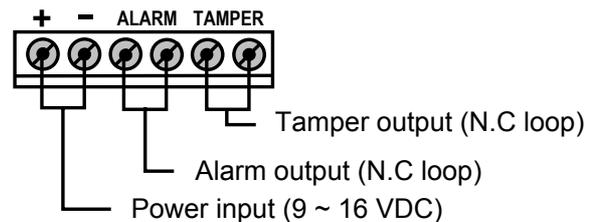


Locate the detector at least 1 meter away from any illumination to avoid possible interference to microwave sensor.

INSTALLATION & WIRING

1. Open the front cover by loosening the locking bolt at the bottom of the case.
2. Remove the printed circuit board from the base of the unit, by bending the P.C.B clips gently upwards (handle printed circuit board with care).
3. Punch out the required knockouts and mount the unit base to the wall, corner or bracket.
4. Lead the cable through the access hole and then refit the printed circuit board.
5. Connect the wires to the respective terminals according to the wiring instructions.
6. Replace the front cover after completing the wiring and carry out a through walk test.

Wiring

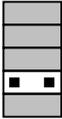


TAMPER terminals to be connected to a 24 hours N.C supervisory loop of control panel.

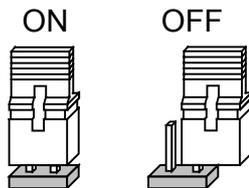
Avoid running alarm wiring close to mains cables !!!

JUMPER SWITCH SETTING

ALM
MW
PIR
SWB
SWA



(Factory set)



ALM - Alarm LED Indication

ALM jumper	ON	OFF
Red LED	ON	OFF

MW - Microwave LED Indication

MW. jumper	ON	OFF
Green LED	ON	OFF

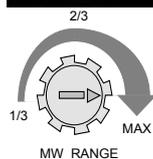
PIR - PIR LED Indication

PIR jumper	ON	OFF
Yellow LED	ON	OFF

SWA, SWB - Pulse count selection

Pulse Count	1	2	3
SWA jumper	ON	OFF	OFF
SWB jumper	OFF	ON	OFF

WALK TEST & ADJUSTMENT



It is necessary to carry out a thorough walk test of the detector to ensure that the correct coverage is being achieved and no over spill of the microwave is occurring. Also to ensure that both PIR & microwave are working to the same detection area.

The PIR range sensitivity is not adjustable. Accurate setting of the microwave is achieved by careful adjustment of the microwave range controller on the front of the PCB, next to the PIR detector, the range is increased by turning the pre-set in clockwise direction. When you are satisfied with your setting, all of the LEDs may be disable from jumper switch (please retain for future walk testing).

Regular walk testing must be carried out, as part of your routine maintenance visits or at least once a year.)

MOTION SIGNAL DISCRETION

The MSD (Motion Signal Discretion) circuit recognizes the difference between motion and non-motion signals. Alarm output is only generated when motion is detected by infrared & microwave sensor and analyzed by the MSD circuit. MSD circuit ensures supreme reliability even when environmental conditions are severe.

SPECIFICATIONS

MW Frequency 10.687 GHz
 Detection range SLDT : 10 x10 m at 25°C
 Infrared sensor..... Low noise, dual element
 Microwave sensor..... Micro strip antenna type
 MW output power..... 6 mW E.I.R.P. peak
 Power supply 9 ~ 16 VDC (12 VDC nominal)
 Current drain..... 20mA at 12 VDC
 Alarm period 2 ± 0.5 sec.
 Alarm output N.C 30 VDC, 0.2A max.
 Alarm output LED Red, can be disabled
 MW sensor LED..... Green, can be disabled
 PIR sensor LED Yellow, can be disabled
 Pulse count..... 1, 2, 3 selectable
 Tamper protection..... N.C cover open activates
 RFI immunity..... Ave. 20V/m (10~1000 MHz)
 Mounting height 2.0~2.4m (wall/corner mounted)
 Temperature -10°C ~ 55°C (14°F ~ 131°F)
 Detection zones 68 zones
 Humidity 95% RH max.
 Dimensions 125 x 68 x 42mm
 Unit weight 110 grams



SECURITY LIGHTING

TECHNICAL HELP-LINE

0906 – 302 0999

This is a Premium Rate Line. Calls are charged at 50p per minute.

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