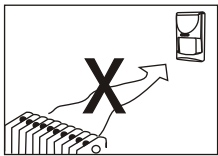


Single-tech Motion Detector

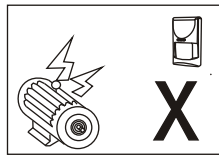
SPECIFICATIONS

Infrared sensor	<i>Dual element</i>
Power supply	<i>9--16VDC 12V typical</i>
Pet immunity	<i>Up to 20kg 40cm</i>
Detection range	<i>12*12m 110° @25°C</i>
Current drain	<i>N.C:5mA,NO:15mA 12VDC</i>
Alarm output	<i>NC/NO 30VDC 200mA</i>
Alarm period	<i>1.5-2.5sec</i>
Pulse count	<i>2/3 selectable</i>
Tamper switch	<i>NC cover open activates</i>
Walk test LED	<i>Red, can be disabled</i>
RFI immunity	<i>Ave. 20V/m(10-1000MHz)</i>
Detectable speed	<i>0.3-1.5m/sec</i>
Mounting height	<i>2.2-2.4m typical 2.3m</i>
Humidity	<i>95% RH</i>
Temperature	<i>-20°C~60°C</i>
Dimensions	<i>109mm*65mm*4mm</i>

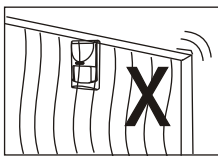
INSTALLATION HINTS



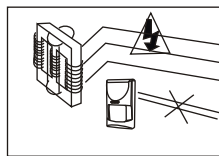
No direct facing cold /hot source



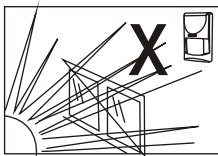
Keep away from strong interference



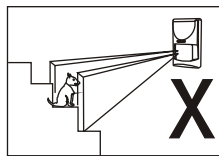
Installation base shall be stable



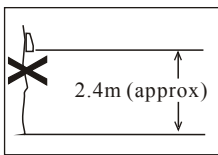
Keep away from high pressure power



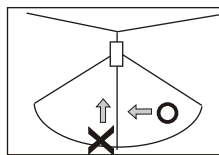
No direct sun shine



Install error



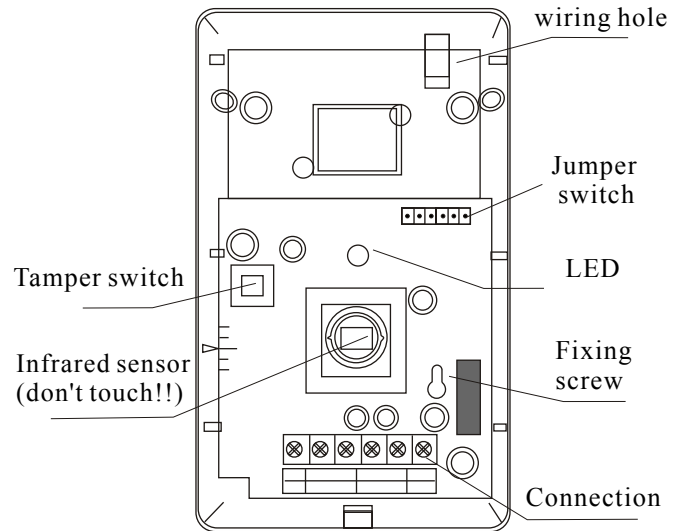
Install the detector at the recom-mended height on a rigid surface



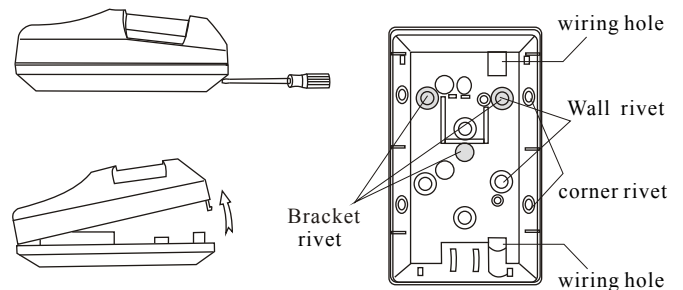
PIR detector is more sensitive to the movements"across" the detection zones than "toward" the unit

Installation instructions

DESCRIPTION



WALL FASTENING



Please insert a small slotted screwdriver to the button-wrap hole at the bottom of detector, and press the button-wrap lightly, then cover can be opened In order to get the best signal covering scale, detector should be installed on 2.1m height and vertical adjustment to position 1. Anyhow, detector can be installed to maximum 4 m height. Make sure that there are no counter work in front of the detector and it is with a wide view.

Remove the front cover, release the screws and then pull out the PCB. Break the pre-set hole, if necessary, disclose the "wall inlay pre-set hole" and tear open once "wiring hole" ; mark the point of the hole on wall and put the "wall inlay" label on the pre-set hole.

Drill 3-6mm holes and screw in the "wall inlay screws" , let its front extremity be 5/6 mm from the wall. Cross the wire from the cable hole and fasten the bottom cover onto the wall, confirm its front extremity enter the obligate site.

INSTALLATION & WIRING

Installation (DO NOT USE BRACKET)

1. Open the front cover by loosening the screw at the bottom of the unit. Remove the PCB from the unit base. Mount the base firmly on the selected position with at least 2 screws.
2. Replace the PCB at proper position (+0.5 +1). Connect the alarm cable to the corresponding terminals according to the following instructions.

TAMPER	-12V	+	ALARM		

- 12V + : 9 16V DC power supply

ALARM : Zone input of control panel (N.C/N.O)

TAMPER: 24 hours N.C. loop of control panel

3. Replace the front cover, apply power supply to the detector and conduct the walk test.

WALK TEST

The walk test should be carried out to ensure the detection coverage is adequate. Apply DC power to the detector and wait approx. 30 seconds for it to warm up and stabilize. Walk across the detection zones at normal speed. The LED will lit whenever it detects the movement. The LED display can be disabled by pulling off the jumper head the PCB pins labeled $\text{LED}^{\text{+}}$.

Verify correct operation of the detector by conducting a walk test at least once a year.

ON

OFF

PULSE COUNT

The Sensor an intelligent pulse count that reduces the possibility of false alarm caused by environmental and power line interference. The pulse count can be set to count 2 or 3 pulses by placing the jumper head on the corresponding pins. An alarm signal will only be sent when the selected pulses are generated within delay time of 20 seconds. SEC-TEC' s intelligent pulse count circuitry analyzes the width difference of pulse signal. When human motion is detected a subsequent pulse signal will over-ride the pulse count setting and generate the alarm signal without any delay.

2 Pulse

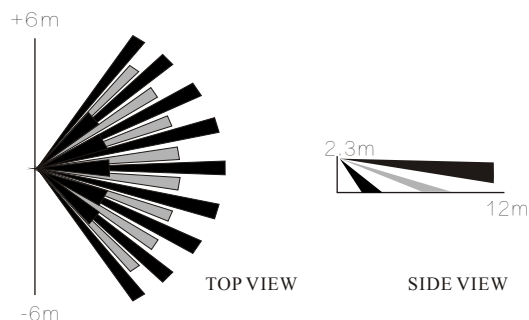
3 Pulse

ALARM OUTPUT SELECTOR

The alarm output can be changed to N.O by removing the jumper from N.C/N.O selector. N.O output can be applied to activate VCR of CCTV systems or other equipment.

N.C N.O

DETECTION PATTERN



PET IMMUNE NOTICES

To ensure the best pet immune of this detector, please read the following notices carefully.

1. This detector is immune one domestic pet up to 18kg or 60cm moving on the floor. If animal is slightly bigger or taller, sliding the PCB downward a little bit might prevent unwanted detecting.
2. If animal activity takes place above 1 meter high, the pet immunity allowance will be significantly reduced. It is therefore recommended to select a mounting location that can avoid animal moving within 1.8m of the detector.
3. This detector should be mounted on the wall or corner at 2.3m high and perpendicular to the floor.
4. **DO NOT USE** any mounting bracket with swivel adjustment.
5. The weight of animal can only be used as a reference. Other factors such as height and color of fur could also affect the level of immunity.
6. **DO NOT AIM** the detector at the stairways that animal can pass.
7. Ensure that the PCB position is placed between +0.5 +1 for optimum pet immunity.
8. It is vitally important to verify the pet immune function after the installation. If animal is detected, sliding the PCB upward or downward to avoid.

