

PEGASO

Pet-Immune PIR Detector

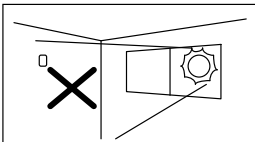
IR-550P

SPECIFICATIONS

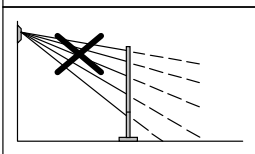
Infrared sensor.....	Dual element
Power supply.....	9 ~ 16 VDC, 12V typical
Pet immunity.....	Up to 18 kg, 60 cm
Detection range.....	12 x 12 m, 110° @ 25°C
Current drain.....	N.C:5 mA, N.O:15 mA, 12VDC
Alarm output.....	N.C/N.O 30VDC, 0.2A max.
Alarm period.....	1.5 ~ 2.5 sec.
Pulse count.....	2 / 3 selectable
Tamper switch.....	N.C cover open activates
Walk test LED.....	Red, can be disabled
RFI immunity.....	Ave. 20V/m (10~1000 MHz)
Detectable speed.....	0.3 ~ 1.5m/sec.
Mounting height.....	2.2 ~ 2.4 m, typical 2.3 m
Humidity.....	95% RH maximum
Temperature.....	-20°C ~ 60°C (-4°F ~ 140°F)
Dimensions.....	112 X 66 X 45 mm
Unit weight.....	86 grams

* Specifications are subject to change without prior notice.

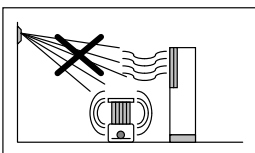
INSTALLATION HINTS



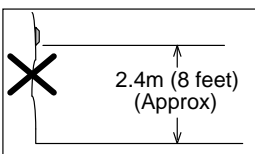
Do not install where the detector will face direct or reflected sunlight, window onto main road (avoid car headlight).



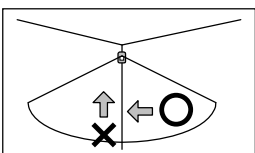
Ensure that there are no obstructions (plants, screens, furniture etc.) in the field of view, which may cause incorrect cover/operation of the detector.



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



Install the detector at the recommended height on a rigid surface.

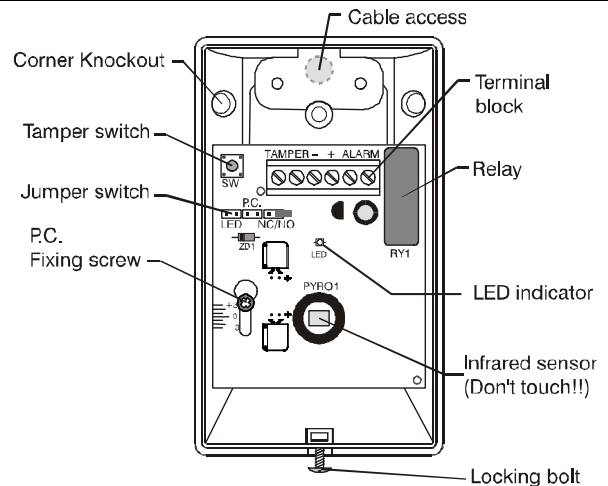


PIR detector is more sensitive to the movements "across" the detection zones than "toward" the unit.



Installation Instructions

DESCRIPTION



PET IMMUNE NOTICES

Important!!

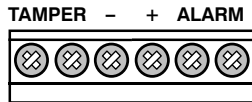
To ensure the best pet immune of this detector, please read the following notices carefully.

1. This detector is immune one domestic pet up to **18 kg** or **60 cm** 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 1.8 m of the detector.
3. This detector should be mounted on the wall or corner at 2.3 m 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.

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.



-, + : 9 ~ 16 VDC power supply

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

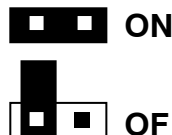
TAMPER : 24 hours N.C. loop of control panel

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

WALK TEST

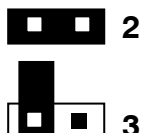
The walk test should be carried out to ensure the detection coverage is adequate. Apply DC power to the detector and wait approx. 30 seconds for it to warm up and stabilize. Walk across the detection zones at normal speed. The LED will lit whenever it detects the movement. The LED display can be disabled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

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



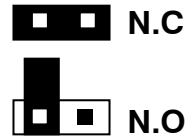
PULSE COUNT

The **PEGASO** features 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. IR-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.



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.

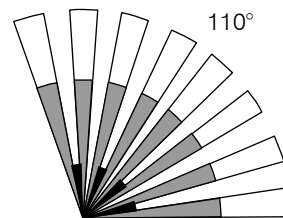


DETECTION PATTERN

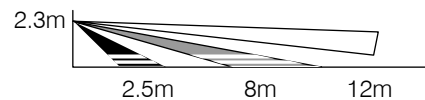
IR-550P

110°, 12 x 12m at 25°C

Top View



Side View



Taiwan Patent M242802



China Patent ZL03240302X