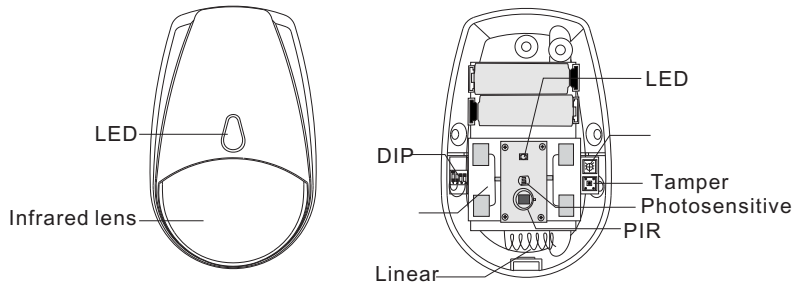




MS- 1505 Motion Detection Sensor

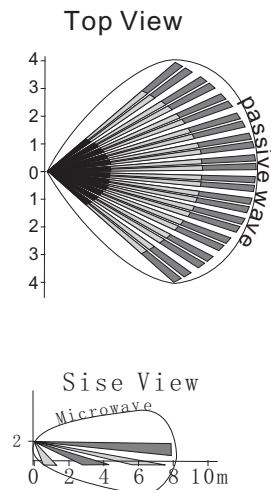
1. Introduction

The MS-1505 is a General PIR technology intruder detector designed to detect human body movement in a protected area. Digital processing ensures a immunity to false alarms and out standing stability. The MS-1505 uses a sophisticated radio communication protocol with a high level of data safety. The detector makes regular auto testing and reports its conditions regularly to the system for full supervision. Built-in tamper switch trigger an alarm if there is any attempt to tamper with the detector.



2. Specifications

- detection method:PIR
- power supply: 3 VDC
- battery life: about 1 year
- coverage: 8*8m / 90
- alarm indication:4~5s
- start up time: 20s with LED indication
- working range: max. 6 m (radius)
- white light protection:2500 lux
- working frequency: 433MHz
- environmental:-10C to +40C
- demision:110*95*49mm



3. Installation

Using the provided bracket, the MS-1505 detector can be installed on the wall or in a corner. The recommended installation height is from 2.0 to 2.4 meters above the floor. The detector covers a distance of up to 6-8 meters and it has a detection angle of 45. Do not place the detector close to any heating/cooling vents or near any other object that often changes temperature. The MS-1505 should not be placed near any item that generates a strong electromagnetic signal (transmitters, electronic regulators etc). Avoid locations that have intense air circulation.

3.1. Notice

Do not expose to heating/cooling object	Prevent direct sunlight from reaching the detector	Keep wiring away from electrical power cables	ensure the stable mounting location	avoid facing metal wall

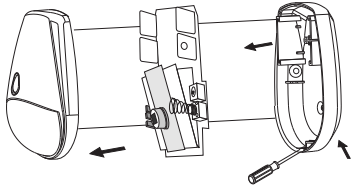
3.2 pet-immunity guidebook

the top of the detecting area is the non-pet-immunity area	prevent direct the places where the pets can climb up	the pet is smaller than 20kg	the pet is smaller than 15kg	The installation height of 2.0m to 2.4m is available pet-immunity height

3.3 Installation figure

1. Cover Removal:

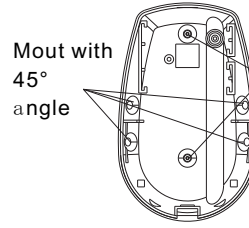
- C. Install the batteries D. study ID code and test



B. remove the front case, then (mounting with swivel bracket)

A. loosen the vertical screw

2. install the swivel bracket:



Mout with 45° angle

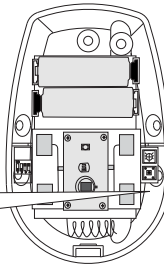
Wall mout

- A punch out the mounting knockouts on the rear case or angled side.
- B mount the rear case to the desired location.
- C place the PCB back to the original case and tighten the screw.

3.4 Enrollment of the detector to the system

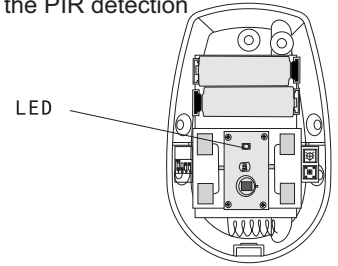
Study the installation manual of the control panel to learn how to enter the enrolling mode to enroll the detector. Install the attached batteries into the detector (polarity is marked in the detector) and leave it uncovered. The detector will generate an enrollment signal after the batteries are installed. The LED in the detector will remain on for about 30 seconds, indicating that it is in its warm up mode.

Press the tamper switch for study the ID code



3.5. LED function instructions:

It is used to indicate the PIR detection

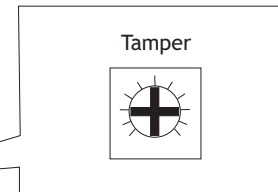
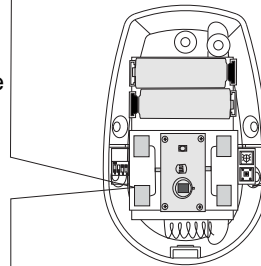


3.6 Switch function instructions

DIP1	DIP2	DIP3	DIP4	
ON	OFF	1Pulse ON	OFF	Test Mode
OFF	ON	2Pulse OFF	ON	Normal mode
OFF	OFF	3Pulse OFF	OFF	Enroll Mode

NOTE:DIP1,DIP2 can't be assigned as "ON" at the same time

NOTE:DIP3,DIP4 can't be assigned as "ON" at the same time



Normal mode: it has 30-60s dormant period after trigger detector. The device won't give alarm under dormant period.

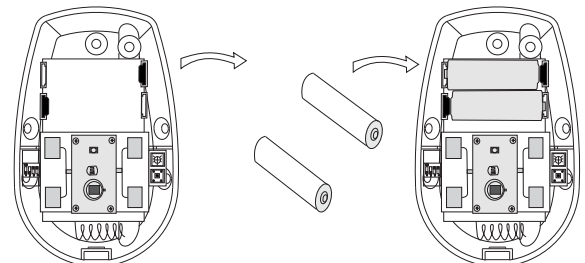
Test mode: 10-20s interval with Accuracy detection.

Enroll Mode : 60-120s time interval. The device won't give alarm under time interval

3.7 Battery testing and replacement

The detector automatically checks the condition of its batteries. If it is necessary to replace the batteries, the detector will inform the system about the low voltage batteries. In this mode the detector works as normal, but each triggering is indicated with a flash of its LED. This way is possible to recognize, that there placement of the batteries is requested. If a low battery is indicated, it should be replaced as soon as possible (in a week). Before replacing the batteries, the receiver (control panel) must be put into the mode, which allows opening of the detectors. Use only high quality batteries for replacement. After installation of the new batteries the LED will light for about 30 seconds (self-testing). Attach the detector's cover and wait until the LED goes out. From this moment the detector will be in the testing mode and each detected movement will be indicated by detector's LED. 8 minutes after the cover was closed, the detector will enter the normal mode and its LED indicator will be switched off (battery energy saving function).

Note: Dispose of batteries safely depending on the type of the batteries and local regulation. Although this product does not contain any harmful materials suggest you to return the product to the dealer or directly to the producer after usage.



Information is subject to change without notice. The actual product appearance may differ from the one shown here.