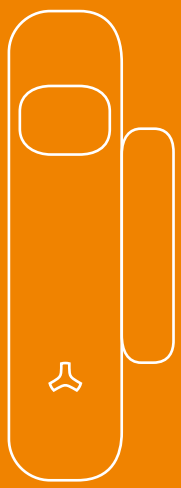
PIR Motion & Door/Window Sensor

User Manual



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It's especially designed for request-to-exit applications, combines a PIR motion detector & door/window sensor. It detects the opening or closing of a window, door, gate or roller blind and indoor human movement. Adopted advanced fuzzy logic chip and intelligent analysis distinguish signal between body movement and interference to minimize false alarms. Cover tamper detection and state & low battery indication ensures the safety.

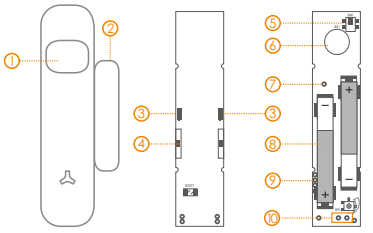
Features:

Stylish compact design, easy to install.
Up to 7m detection range with 90° field of detection.
Combines PIR & Door Sensor, double security.
Features LED light indicator for alarm/battery status.
Customized high quality lens, pet-immunity.
PIR sleeping mode for low-power consumption.
Anti-interference,FHSS technology.
Up to 12 months of battery life depending on usage.
Special RFI protection, high performance, low noise.
Tamper switch for vandal protection.

Specification:

Power Supply: DC 3V (2pcs of AAAA, LR61 Battery)
Standby Current : ≤20μA
Alarm Current : ≤39mA
Detection Range: 7m/90°
Temperature: -20°C~55°C
Humidity: ≤80% (no condensing)
Detector Dimensions(L x W x H): 21 X 90 X 18mm
Magnet Dimensions(L x W x H): 10 X 45 X 11mm

Appearance:



1. Detection Window
2. Magnet
3. LED Indicator
4. Reed Switch
5. Tamper Switch
6. Infrared Sensor
7. RF antenna
8. Battery Compartment
9. Software Upgrading Terminal Block
10. Connector for Wired Sensors (N/C)

Note! The door sensor is set in Normal Zone1 as default.
It will cause on immediate alarm if the magnet depart from the transmitter more than 2cm in arming state.

<1cm

LED Indicator:

LED flashes once every 3 seconds: Lower battery, please replace the battery (AAAA LR61)
LED flashes once every 1 second: New movement has been detected, or the tamper switch has been triggered.

Tamper Switch:

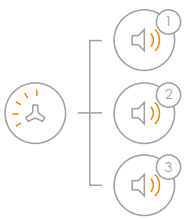
Once the case is opened, the tamper switch will be triggered.

Connecting Sensor to Control Panel:

Before pairing, please ensure the alarm system is in DISARM mode.

1. Press the enroll button of control panel , or tap on "+Add" icon on the app, the LED of control panel will turn red when it s ready for enrolling.
It will remain in enrolling mode for 20 seconds.

2. Move the magnet away from the sensor.
The sensor sends a signal to the control panel.



1 System beeps once, the LED light flashes once, the enrollment is successful.

2 If system beeps twice and the LED light flashes once, the accessories have been enrolled before.

3 If three beeps are heard and LED light flashes once, the storage is full.

(Note! Please don't press tamper switch to enroll or enroll accessory in low battery status.)

The enrolled sensors will automatically appear in the Accessories Menu in the app. You can customize the accessory name, select the zone type and also delete the accessory from the app, if required.(Note:The default zone of the PIR sensor is stay zone)

Installation & Walk Test

With the Detector powered on, the light should turn on immediately and will keep flashing while the sensor warms up, for approximately 15 seconds. It will then turn off.

Test Mode: After warm-up, walk through the coverage area and the light should turn on. This confirms that the movement is detected. The detector will recognize the movement 5 times. The interval time between each detection should be more than 2 seconds. Then it enters in sleeping mode.

Sleeping Mode: In this mode, the sensor detects motion constantly, but will only trigger the alarm on the first two detections. After 3 minutes, the sensor will reset ready to trigger the alarm. The mode helps save considerable amounts of energy when the house or apartment is inhabited and people are constantly moving around.

Walk Test:

1. After warm-up, PIR enters into working state.
2. Walk across detection area and watch the LED indicator to make sure it flashes once when detecting the movement and sends signal to the alarm panel.

Door/Window Working Mode:

The Door/Window Sensor can be installed on doors, windows and any other objects that open and close. The sensor transmits signal to control panel when the magnet mounted near the sensor is moved away. The tamper protection ensures that sabotage attempts to move the sensor will result in an alarm activation.

Installation:

1.The sensor should be installed in entry or exit which intruder can easily enter.

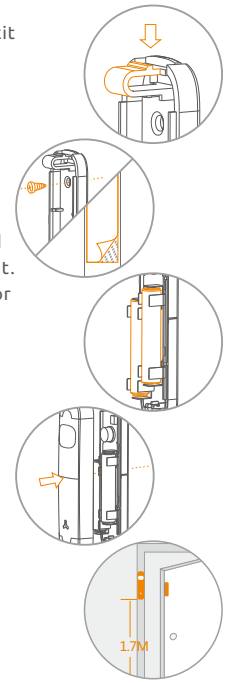
2.Sensors can be installed on door or window that open and close.
Make sure the installed position have been already cleaned.

3.Remove the paper strip of the double-sided tape on the back of transmitter and magnet. Carefully mount the transmitter on the door frame and the magnet on the door.

4.Or you can fix the rear base on the place by using the screws for both transmitter and magnet.

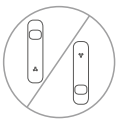
5.Magnet can be placed on both left or right side of transmitter.

6. The sensor is more sensitive to cross-movement than to direct movement. The performance of the detector is optimal when detection direction is across the walking direction of intruders.

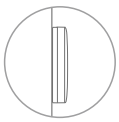


Detection Mode & Area:

Front View



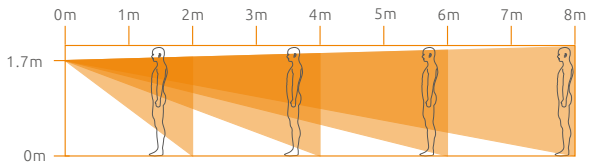
Side View



Top View

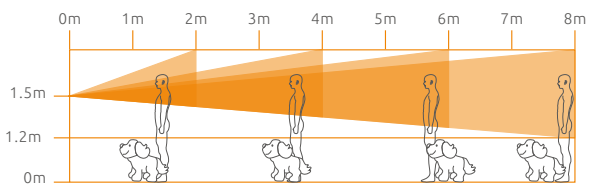
Normal Mode:

It's recommended to mount it at the height of 1.7m from the ground. Detection range is 90 degree, with 8 meters range.



Pet-immunity Mode:

It's recommended to mount it at the height of 1.5m from the ground and put the lens upside down for pet immunity. Detection range is 90 degree, with 8 meters range. Height limit for animal is 1.2 meters.



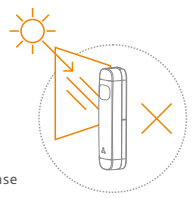
Connect the Wired Output Interface:

There are two terminal blocks can connect any N.C output wired sensor.

Notice:

1. Avoid mounting the detector close to places where heat changes fast or air stream flows frequently.
(ie. Air conditioner, tube light, oven, waver, refrigerator etc.)

2. Avoid it facing to window which can be easily interfered by complicated environment.
(ie. sunlight, crowds, or flowing cars etc.)



3. If two detectors are installed in the same detection scope, please adjust the location to avoid interference and false alarm.

4. Place the transmitter in the desired location, mount the magnet no more than 1cm away from the transmitter.

5. Avoid mounting sensors in areas with a large quantity of metal and electric wiring.

6. The product can reduce the possibility of accident, but the user is advised to take all necessary precautions for the safety and the protection of the property.