

PNI SafeHouse HS003

Wireless motion sensor / Detector de miscare fara fir



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PRODUCT INFORMATIONS

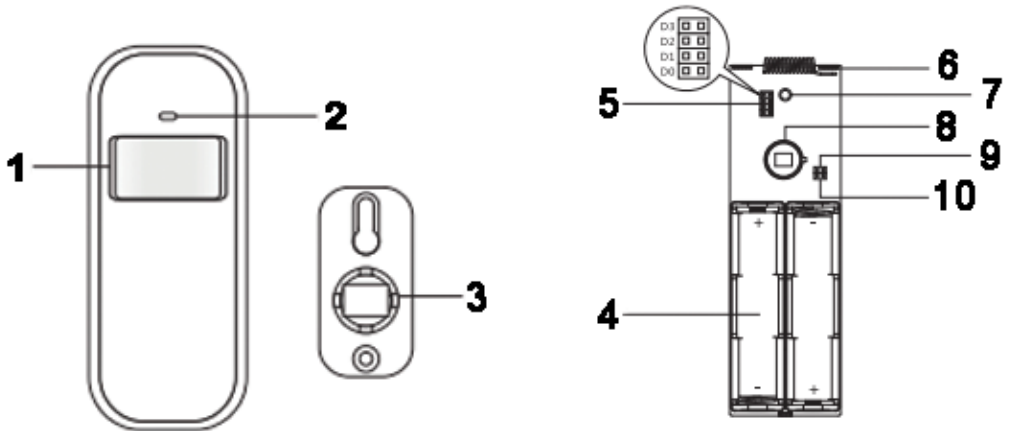
PIR sensor PNI HS005 adopts digital fuzzy logic infrared control system and Intelligent analysis algorithm. This allows it to recognise the interference signal and human movement signal to avoid false alarm. Also it has temperature compensation and air flow technology to get used to the change of the environment. The device has the features of environmental-friendly, safety and easy installation. It can send low voltage battery automatically to alarm system and alarm system to send low voltage message to users (if capable) . The product is suitable for house, villa, factory, warehouse, office building and so on.

PNI HS005 is compatible with PNI SafeHouse HS550 3G wireless alarm system.

MAIN FUNCTION PARAMETERS

1. Adopt CMOS low-power consumption microprocessor
2. Low power consumption, the battery will have a longer life
3. Built-in Millions of codes
4. Transfer digital wireless signals
5. Low voltage alert function
6. All-around automatic temperature compensation
7. Intelligent logic analysis to avoid fault alarm
8. Anti white light
9. Anti high frequency interference

PRODUCT DESCRIPTION



Nr.	Description	Nr.	Description
1	Detection window	6	Antenna
2	Led indicator	7	Led indicator
3	Installation bracket	8	Infrared sensor
4	AAA 1,5V battery	9	Mode choosing (J4)
5	Data settings (J2)	10	Led skipping choosing (J3)

LED INDICATOR LIGHT

LED flashes frequently: device is in self-checking state

LED flashes once: device is alarming

LED flashes twice: device finishes self-checking and enters working mode.

LED flashes three times: hints of battery under-voltage (you will receive low voltage alert message if your GSM alarm system connected PIR sensor)

PCB LAYOUT

Infrared sensor: Used to detect infrared signal of human body radiation, please don't touch the lens with your hand and keep it clean.

Data setting (J2): Setting appropriate data bits according to the alarm panel with user's requirement. (default is insert) Do not modify unless necessary.

LED choosing (J3), To enhance the elusive of the detector to disable LED (default is insert)

Mode choosing (J4): Insert J4 to be in test mode, without J4 sensor is in sleeping mode.

USE INSTRUCTIONS

Toggle switch to the ON position, the detector releases 2s wireless signal immediately, then enter self-checking, and then enter working mode 30s later; In working mode, can choose the corresponding detection mode by jumper J4.

Factory default: test mode

WORKING INSTRUCTION

Install battery (code sending)-----> Self-checking(30s)-----> Working mode ----->Test mode / Sleeping mode

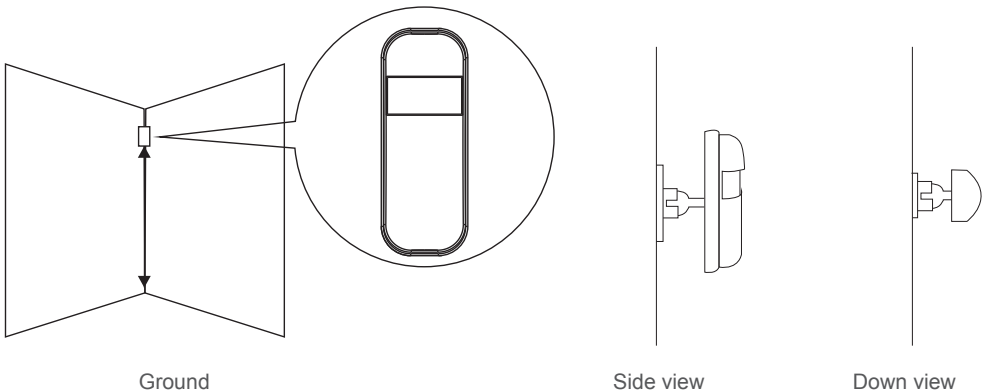
Test mode: The detector detects once every 2.5s. It will release the wireless alarm signal when detects the infrared signals from human body which can avoid the missing alarm. Meanwhile, the users check the installation height and the angle of the detector and make some adjustment if needed.

Sleeping mode: If the detector constantly detects 4-times alerts within 3 minutes, it will enter dormant state to save battery power.

It will activate itself after waiting for 3 minutes when there's no alert.

Coding operation: Make the alarm panel to be in coding state, then the detector will send wireless signal to alarm panel after installing the battery. Also please move your hand to trigger the device to alarm after self-testing, then it will send the wireless signal to alarm panel.

PRODUCT INSTALLATION

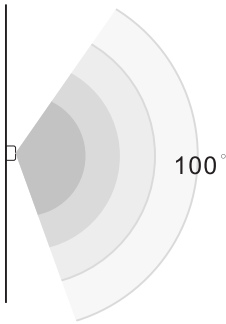


For normal operation detector must be away from places with frequently temperature changes and air flows fast. Please don't put your detector near window, air conditioner, fluorescent lamp, heating devices, fridges, oven, stove, sunshine, etc. Also do not install 2 detectors in the same zone to avoid interference and fault alarm.

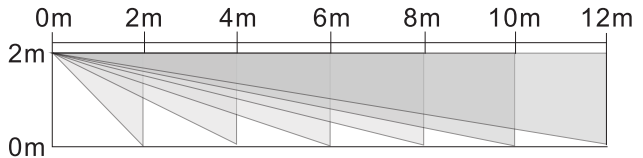
PRODUCT TESTING

- A. After installation of the battery, the device will self-check 30 seconds and then go to test mode, please walk around in the detection zone from left to right or right to left, observing the LED's flashes, and make sure the device is detecting movement and working normally.
- B. The LED indicator flashes once when detect the movement of human body.
- C. Adjust the height and the angle of the device to the best detection range.

DETECTION RANGE DIAGRAM



Look down



Side view

TECHNICAL PARAMETERS

Operating voltage: 3V / 2xAAA alkaline batteries	Detection range: 8m ~ 12m (25°C)
Working current: ≤ 25mA	Working temperature: -10°C ~ 55°C
Static current: ≤ 15mA	Installation way: Wall hanging
Emission frequency : 433 Mhz	Installation height: 1.8 ~ 2.2m
Transmitting power: ≤ 10 dB	Detection degree: 110°
Emission distance : ≥80m(in open air)	Dimensions: 105*40*26mm

TROUBLE SHOOTING

Failure	Solution
LED failed	Check battery installed well or not
	Check the power of battery run out or not
	Check jumper J3 whether inserted or not
LED flashes 3 times periodically	Low voltage, please replace the battery
Emission distance gets closer	The battery is running out
No response for detecting	Jumper cap J4 to be sleeping mode or not

INFORMATII DESPRE PRODUS

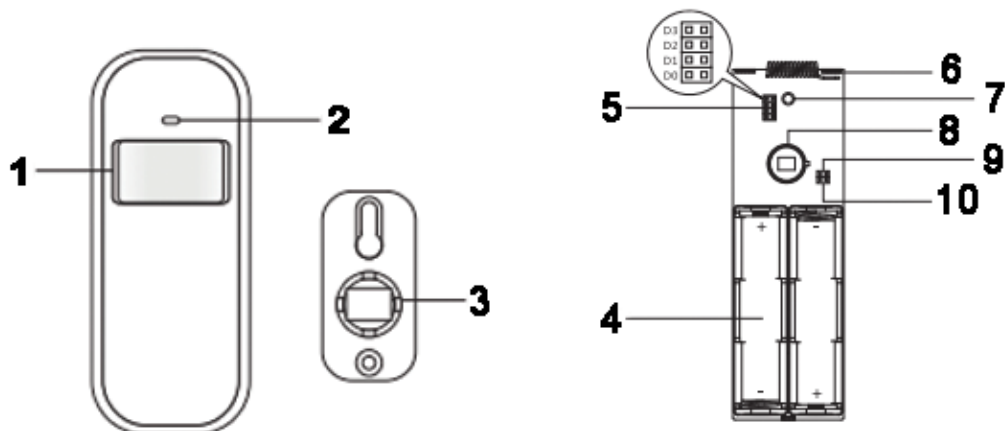
Senzorul PIR fara fir PNI HS005 are implementat un sistem de control infrarosu cu logica digitala si un algoritm de analiza inteligenta. Acest lucru ii permite sa recunoasca si sa diferentieze un semnal de interferenta de semnalul de miscare umana pentru a evita alarme false. De asemenea, are tehnologie de compensare a temperaturii si o carcasa ce permite un flux de aer pentru a se obisnui cu schimbarea ambientala. Dispozitivul are caracteristici de siguranta ambientala si de instalare usoara. Senzorul trimite un semnal in caz de baterie scazuta la sistemul de alarma si sistemul de alarma poate trimite o alerta utilizatorilor (daca functia este disponibila). Produsul este potrivit pentru montaj rezidential: case, vile, depozite, cladiri de birouri si asa mai departe.

Senzorul PIR fara fir PNI HS005 este compatibil cu sistemul de alarma PNI SafeHouse HS550 3G wireless.

FUNCTII PRINCIPALE

1. Microprocesor CMOS cu consum redus de energie
2. Consumul redus de energie, prelungeste durata de viata a bateriei
3. Milioane de coduri de comunicare
4. Transmite semnale wireless digitale
5. Functia de alerta la baterie scazuta
6. Compensarea automata a temperaturii
7. Analiza logica inteligenta pentru evitarea alarmelor false
8. Protectie la lumina alba
9. Protectie la interferente de inalta frecventa

DESCRIERE PRODUS



Nr.	Descriere	Nr.	Descriere
1	Fereastra detectie	6	Antena
2	Led indicator	7	Led indicator
3	Suport de montaj	8	Senzor infrarosu
4	Baterii AAA 1,5V	9	Mod de lucru (J4)
5	Setari date (J2)	10	Dezactivare led (J3)

ILUMINARE LED INDICATOR

LED-ul clipeste frecvent: dispozitivul este in stare de auto-verificare

LED-ul clipeste o data: dispozitivul a detectat miscare/alarmare

LED-ul clipeste de doua ori: dispozitivul termina auto-verificarea si intra in modul de lucru.

LED-ul clipeste de trei ori: indica baterie scazuta (veti primi un mesaj de avertizare de baterie scazuta daca sistemul dvs. de alarma are aceasta functie).

DESCRIERE PLACA SENZOR

Senzor infrarosu: utilizat pentru a detecta semnalul infrarosu al radiatiei corpului uman, va rugam sa nu atingeti obiectivul cu mana si sa il pastrati curat.

Setarea datelor (Jumper 2): Setarea adresei de transmisie date corespunzatoare in functie de panoul de alarma, cu cerintele utilizatorului. (implicat este inserat) Nu modificati decat daca este necesar.

Selectarea LED-ului (Jumper 3), Pentru a mari capacitatea detectorului de camuflare, puteti dezactiva LED-ul (implicat este inserat).

Alegerea modului de lucru (Jumper 4): Introduceti J4 pentru modul de Test, scoateti J4 pentru modul "Sleeping".

INSTRUCTIUNI DE UTILIZARE

Porniti senzorul trecand butonul pe pozitia ON, detectorul emite imediat semnalul wireless timp de 2 secunde, apoi intra in modul de autoverificare timp de 30 de secunde, dupa care intra in modul de functionare. In modul de functionare, puteti alege modul de detectare corespunzator cu jumperul J4.

Setari din fabrica: modul de Test

INSTRUCTIUNI DE PUNERE IN FUNCTIUNE

Instalare baterii(emite/trimite semnal wireless)-----> Autoverificare(30s)-----> Mod de functionare -----> Mod Test / Mod "Sleeping"

Mod de Test: Senzorul detecteaza miscare o data la fiecare 2,5 secunde. Acesta va transmite semnalul de alarma wireless atunci cand detecteaza semnalele infrarosu ale corpului uman. Intre timp, se verifica inaltimea de instalare si unghiul detectorului facand ajustarile necesare.

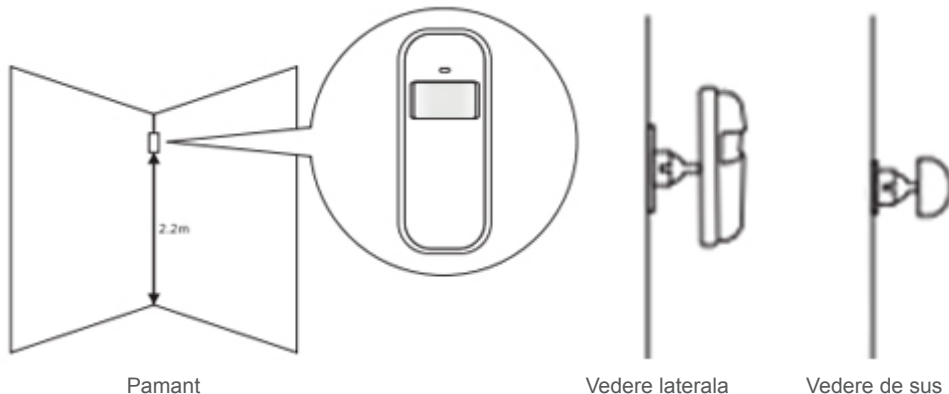
Modul "Sleeping": daca senzorul detecteaza in mod continuu miscare de 4 ori in 3 minute, acesta va intra in starea inactiva pentru a economisi energia acumulatorului.

Se va activa dupa ce asteapta 3 minute fara nici o alerta / miscare detectata.

Operatia de imperechere: Asigurati-va ca sistemul de alarma este in modul de imperechere/invatare senzori, dupa care instalati bateriile in senzor sau declansati senzorul pentru a trimite un semnal wireless la sistem.

De asemenea, puteti misca mana in fata senzorului pentru a testa functionalitatea si imperecherea cu sistemul de alarma.

INSTALARE PRODUS

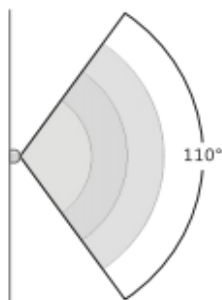


Pentru functionarea normala, detectorul trebuie sa fie departe de locuri cu schimbari frecvente de temperatura si fluxuri de aer rapid. Va rugam sa nu puneti detectorul in apropierea ferestrei, aparatului de aer conditionat, lampii fluorescente, a aparatelor de incalzire, a frigiderelor, a cuptorului, a aragazului, in lumina directa a soarelui etc. De asemenea, nu instalati 2 detectori in aceeasi zona pentru a evita interferentele si alarma de eroare.

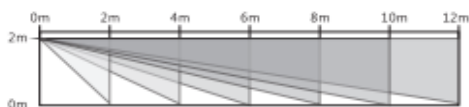
TESTARE PRODUS

- A. Dupa instalarea bateriei, dispozitivul se va auto-verifica 30 de secunde si apoi va trece in modul de testare. Mergeti in zona de detectare de la stanga la dreapta sau de la dreapta la stanga, urmarind declansarea LED-ului si asigurati-va ca detecteaza miscarea si functioneaza normal.
- B. Indicatorul LED clipeste o data cand detecteaza miscarea corpului uman.
- C. Reglati inaltimea si unghiul dispozitivului in functie de necesitati.

DIAGRAMA ZONA DE DETECTARE



Vedere de sus



Vedere laterala

CARACTERISTICI TEHNICE

Alimentare: 3V / 2 baterii xAAA alcaline	Raza detectie: 8m ~ 12m (25°C)
Consum urent: ≤ 25mA	Temperatura functionare: -10°C ~ 55°C
Consum curent static: ≤ 15mA	Mod instalare: Pe perete
Frecventa comunicare : 433 Mhz	Inaltime instalare: 1.8 ~ 2.2m
Putere de emisie: ≤ 10 dB	Unghi detectie: 110°
Distanta de comunicare : ≤80m(camp deschis)	Dimensiuni: 105*40*26mm

DEPANARE PROBLEME

Problema	Solutie
LED stins	Verificati prezenta bateriilor
	Verificati tensiunea din baterii
	Verificati Jumper 3 daca este introdus sau nu
LED-ul clipeste periodic de 3 ori	Baterie scazuta, inlocuiti
Distanta de detectie este scazuta	Baterie scazuta, inlocuiti
Nici o reactie la miscare	Verificati J4 - pozitie mod "Sleeping"

BG:**Опростена декларация за съответствие на ЕС**

SC ONLINESHOP SRL декларира, че **Съхранение PIR PNI SafeHouse HS003** ела спазва директивата EMC 2014/30/EU и RED 2014/53/UE. Пълният текст на ЕС декларацията за съответствие е достъпен на следния интернет адрес:

<https://www.mypni.eu/products/6473/download/certifications>

EN:**EU Simplified Declaration of Conformity**

SC ONLINESHOP SRL declares that **Movement sensor PIR PNI SafeHouse HS003** complies with the Directive EMC 2014/30/EU and RED 2014/53/UE. The full text of the EU declaration of conformity is available at the following Internet address:

<https://www.mypni.eu/products/6473/download/certifications>

DE:**Vereinfachte EU- Konformitätserklärung**

SC ONLINESHOP SRL erklärt, dass das **Bewegungssensor PIR PNI SafeHouse HS003** der Richtlinie EMC 2014/30/EU entspricht und RED 2014/53 / EU-Richtlinie. Sie finden den ganzen Text der EU-Konformitätserklärung an der folgenden Internetadresse:

<https://www.mypni.eu/products/6473/download/certifications>

ES:**Declaración UE de conformidad simplificada**

SC ONLINESHOP SRL declara que el **Sensor de movimiento PIR PNI SafeHouse HS003** cumple con la Directiva EMC 2014/30/EU y la Directiva RED 2014/53/EU. El texto completo de la declaración de conformidad de la UE está disponible en la siguiente dirección de Internet:

<https://www.mypni.eu/products/6473/download/certifications>

FR**Déclaration de conformité simplifiée de l'UE**

SC ONLINESHOP SRL déclare que **Capteur de mouvement PIR PNI SafeHouse HS003** est conforme à la directive EMC 2014/30/EU et RED 2014/53/UE. Le texte complet de la déclaration de conformité UE est disponible à l'adresse Internet suivante:

<https://www.mypni.eu/products/6473/download/certifications>

HU:**Egyszerűsített EU Megfelelési Közlemény**

SC ONLINESHOP SRL kijelenti azt, hogy a **Mozgásérzékelő PIR PNI Biztonsági ház HS003** megfelel az EMC 2014/30/EU és RED 2014/53/UE irányelvnek. Az EU-megfelelésségi nyilatkozat teljes szövege a következő internetes címen érhető el:

<https://www.mypni.eu/products/6473/download/certifications>

IT:**Dichiarazione UE di conformità semplificata**

SC ONLINESHOP SRL dichiara che il **Sensore di movimento PIR PNI SafeHouse HS003** è conforme alla direttiva EMC 2014/30/UE e alla direttiva RED 2014/53/UE. Il testo completo della dichiarazione di conformità europea è disponibile al seguente indirizzo Internet:

<https://www.mypni.eu/products/6473/download/certifications>

PL:**Uproszczona deklaracja zgodności UE**

SC ONLINESHOP SRL oświadcza, że **Czujnik ruchu PIR PNI SafeHouse HS003** jest zgodny z dyrektywą EMC 2014/30/EU i RED 2014/53/UE. Pełny tekst deklaracji zgodności UE dostępny jest pod następującym adresem internetowym:

<https://www.mypni.eu/products/6473/download/certifications>

RO:**Declaratie UE de conformitate simplificata**

SC ONLINESHOP SRL declara ca **Senzor de miscare PIR PNI SafeHouse HS003** este in conformitate cu Directiva EMC 2014/30/EU si Directiva RED 2014/53/UE. Textul integral al declaratiei UE de conformitate este disponibil la urmatoarea adresa de internet:

<https://www.mypni.eu/products/6473/download/certifications>