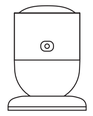
版本	变更内容	日期	变更者
1	/	/	/
2			

320 mm

Installation Guide



SenseGuard Presense Core 24G

Zigbee Human Presence Sensor

SenseGuard Presence Core 24G is a human presence sensor based on **24 GHz radar technology**.
The device continuously emits radio waves into the detection area. When a person is present, body movement, breathing, or heartbeat causes changes in the reflected signal frequency, allowing the sensor to detect human presence.
The sensor has a **detection range of up to 4 m** and a **detection angle of 120°**.
However, other moving objects—such as fans or washing machines—as well as pure metal objects that block or strongly reflect radio waves, can also cause changes in the reflected signal. These changes may be mistakenly identified as human presence. Such objects are referred to as **interference sources**.
This guide introduces **common interference sources in daily environments** and explains how to **properly install the presence sensor** to achieve more accurate and reliable detection.

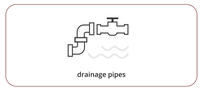
Step One: Choose a Suitable Installation Location

Common Interference Sources:

1. Moving objects: operating fans, air conditioners, washing machines, swaying curtains or plants, drainage pipes etc.

2. Metal objects: large metal surfaces, mirrors with metallic coatings etc.

Before finalizing the installation location, **adjust the position of the sensor or the interference sources if necessary.**
The farther an interference source is from the sensor, the less impact it has on detection.
Whenever possible, **keep interference sources outside the detection area.**
For interference sources that remain within the detection area, the device can reduce false detection through Detection Area Setting (Step Two) and Detection Calibration (Step Four).



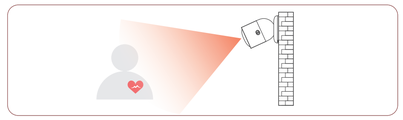
Note: Interference sources with non-fixed positions, such as pets and robot vacuums, cannot be excluded.

Step Two: Block Interference Zones

On the device settings page, use **Detection Area Setting feature** to block detection zones that contain interference sources. Each zone can be enabled or disabled individually.

Step Three: Mount the Device

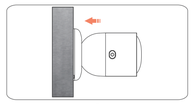
Install the device at a **height of 1–2 meters.**
For optimal performance, aim the sensor **directly toward the human chest area.**

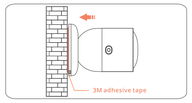


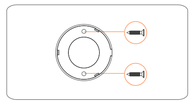
146 mm

Installation Method

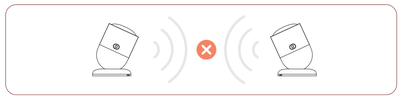
① Desktop placement.
② Attach the base magnetically to a metal surface.
③ Attach the base using 3M adhesive.
④ Secure the base with screws.



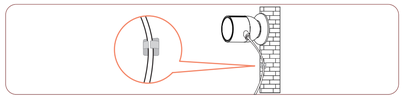




Note: Keep multiple sensors apart and avoid facing them toward each other.



Note: After mounting the sensor, use the included cable clips to secure the power cable and prevent it from moving.



Step Four: Eliminate Interference in Unblocked Zones

This feature is mainly used to **reduce interference from appliances that operate continuously in a fixed location**, such as fans, air conditioners, or washing machines.
Leave the detection area and make sure the appliance you want to exclude remains powered on and operating.
Enable **Detection Calibration feature** on the device setting page. The device will automatically self-learn the movement pattern of the interference source and exclude it from detection.

Notes:

- If the sensor position or the position of any interference source changes, please reconfigure Detection Area Setting and Detection Calibration as required.
- Some settings (Detection Area Setting and Detection Calibration) may not be available on certain third-party Zigbee gateways. For third-party users, please download the eWeLink App, scan the QR code on the device, and follow the in-app instructions to connect and configure.
- Interference sources with non-fixed positions, such as pets or robot vacuum cleaners, cannot be blocked or excluded.

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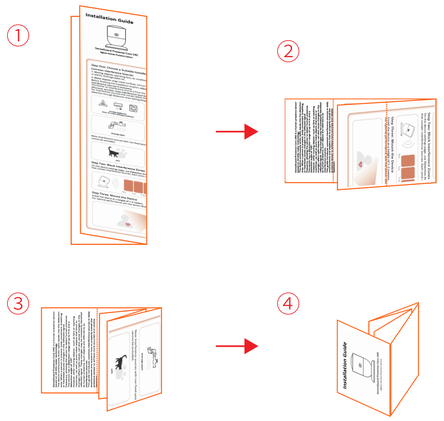
折叠方式



技术要求：
1. 尺寸:展开尺寸146*320mm
   对折后尺寸73*320mm，折叠最终尺寸73*64mm,
2. 材质:105g铜版纸
3. 颜色:四色印刷 双面印刷
4. 工艺:十字折5折
5. 环保要求：所有材料及工艺需满足欧盟WEEE和RoHS指令要求

原材料			PC，松诺白色		指定公差等级				制图日期	李梓旋 2026/02/04	物料编码：	单位	比例	图框
测试项	测试要求		测试项	测试要求	尺寸 等级	A	B	C			00.00.07.0507	MM	1:1	/
☑ RoHS检测	第三方认证报告（有效期一年）	☐	低温存储(-40℃)		0<L≤3	±0.05	±0.10	±0.15				投影视角		
☐ 球压试验(125℃/70℃)		☐	冷热冲击(-40~70℃)		3<L≤6	±0.10	±0.15	±0.20						
☐ 灼热丝试验(850℃/650℃)		☐	百格测试		6<L≤16	±0.15	±0.25	±0.35	审核日期			图号	第1/1页	
☐ UV老化测试(72H/48H)		☐	RCA试验(100圈/150圈..)		16<L≤30	±0.20	±0.30	±0.45				版本	V1.0	
☐ 冰醋酸测试(3min/5min)		☐	铅笔硬度测试(3H/4H..)		30<L≤120	±0.25	±0.35	±0.50			物料名称：			
☐ 盐雾试验(24/36/48H..)		☐	酒精耐摩擦测试		120<L≤315	±0.30	±0.50	±0.80			使用前说明 SNZB-06P24			
☐ 高温存储(70℃)		☐	镭雕/丝印附着力测试		0<L≤10	±1°	50<L≤120	±0.5°	批准日期					
☐		☐			10<L≤50	±0.3°	120<L≤400	±0.15°						

FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.