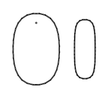
266mm

46mm

Smart Door Sensor User Manual

M420-164Ever1.1



* Please read the user manual carefully before operation
The guide picture is for reference only, please in kind prevail.

1

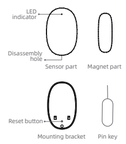
01 /Product Introduction

The smart door sensor adopts ultra-low power wireless networking technology, with high security, high stability, high sensitivity, high stability and other characteristics.

The door or window switch state is sensed by the proximity and separation of the sensor and the magnet. When the gateway is in the armed state, once the magnet is separated from the sensor, alarm signals will be send to the mobile phone APP through the smart gateway.

2

02 /Illustrations



3

03 /Technical Parameters

Working Voltage:DC3V(1xCR2032)
Detection Distance: > 20mm
Wireless: 2.4GHz
Wireless Network Distance:≤100m(open area)
Working Temperature: -10℃ ~ +55℃
Working Humidity:≤95%(no condensation)
Sensor Dimensions:25.1x38.3x12.5 mm
Magnet Dimensions:11.4×31.85×12.5mm

4

04 /Functional Diagram



5

05 /Networking

• Open the APP and enter into gateway, then tap "+" to add door sensor according to the instructions.



6

• Long press the reset button with the pin key for 5 seconds to activate it, and the sensor will enter networking state automatically.

⚠ The device must be activated first before normal working.



7

• Network inclusion: After activation, the sensor will enter networking state automatically: green LED flashes quickly(5 times/second). When green LED keeps on for 3 seconds and goes off, APP will prompt network inclusion is done.
If network inclusion fails, green LED will flash slowly (2 times /second) for 3 seconds and go off, APP will prompt network inclusion fails. If the device can not be added into the network successfully within 60 seconds, networking will stop and green LED go off.

• **Note**: Press the reset button again during networking state will stop the networking process. Green LED will flashslowly for 3 seconds (2 times/second) and go off.

8

ℹ Tips
Due to the APP upgrade and update, this guideline may be slightly different from the actual operation, please follow the instructions in the APP.
* If networking failed, please move the device closer to the gateway and try again.

06 /LED Status Description

LED	Status
Green	1. Quick flash (5 times/second) during networking process; 2. Light up for about 3 seconds if networking is successful. 3. Slow flash for about 3 seconds (2 times/second) if networking fails.
Red	Flash once when alarming.

9

07 /Installation

• Take out the double-sided adhesive tape, tear off the protective film on one side and stick it on the back of the mounting bracket.



• The installation distance between the magnet part and sensor part is less than 15mm. (The magnet part can be installed either on the left or right side of the sensor.)

10

• Tear off the double-sided adhesive film, and attach the sensor bracket and magnet to the desired area.(As shown in the figure, the sensor should be installed in a fixed position such as a door frame, and the magnet can be installed in a moveable position such as a door panel.)

11



⚠ Attention:
1.Make sure the installation surface is smooth, flat, stable, dry and clean.
2.After installation, regularly check whether the product is attached firmly to the installation surface

12

08 /Battery Replacement

• Insert the pin key into the disassembly hole, and press inwardly, move the bracket outwardly to remove it out of the sensor.
• Pay attention to the battery polarity when replace to a new battery.
• Dispose of the used battery in an environment friendly way.

13

09 /Statement

• The information in the user manual is for reference only and does not constitute any form of commitment.

• Without the written permission of the manufacturer, any individual or organization shall not extract or copy part or all of the contents of this user manual, and shall not spread it in any form.

• As the technology is constantly updated, the manufacturer reserves the right to modify the user manual without prior notice. If the user manual and the actual operations is inconsistent, the final interpretation is reserved to the manufacturer herein.

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 inte rference received, including interference that may cause undesired operation.

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 interferenceto 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.

Radiation Exposure Statement

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

尺寸：266*46mm,折叠后尺寸为38*46mm,
材质：80g书纸
印刷：单色印刷

更新说明:调整设备加网，产品安装，电池更换内容描述顺序
更新产品结构图和调整排版，联网方式改为Wireless: 2.4GHz　2023-3-27

Heiman海曼 深圳市海曼科技股份有限公司
Shenzhen Heiman Technology Co.,Ltd.

视角：	名　称：D1-EFR中性英文说明书		
未注尺寸公差参照下表 线性公差： <=2 ±0.03 > 2~25 ±0.05 > 25~75 ±0.08 > 75~100 ±0.10 > 100 ±0.15 角度公差 ±0.5°	型　号：		日　期：2023-03-27
	物料编号：601012472		制　图：梁世平
	版　本：Ver1.1		审　核：
	子件料号：		准　核：
	单　位：mm	图　幅：1/1	比　例：1：1