240mm

60mm

60mm

120mm

Heiman

D1-M
Smart Door Sensor
User Manual

M414-26Ever1.0



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

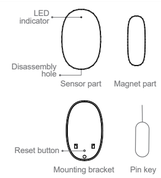
1

01 / Product Introduction

The smart door sensor based on the Thread wireless communication protocol, with high security, high stability, high sensitivity and other characteristics, which can detect the opening and closing status of objects such as doors, windows, drawers, closets, etc.
The smart door sensor can perform multiple intelligent scenarios in conjunction with the Matter-compatible Hubs or other devices based on the automatic condition of detecting the changes in the opening and closing status of doors and windows.

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02 / Illustrations



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03 / Technical Parameters

Working Voltage: DC 3V(1xCR2032)
Detection Distance: ＞20mm
Wireless Protocols: Thread, BLE
Wireless Network Distance: ≤100m(open area)
Working Temperature: -10℃ ~ +55℃
Working Humidity: ≤95%(no condensation)
Sensor Dimensions: 25.1×38.3×12.5mm
Magnet Dimensions: 11.4×31.85×12.5mm

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04 / Functional Diagram

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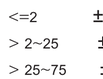
05 / Networking

- Please make sure you have a Matter-compatible app and a Matter-compatible Thread Border Router.
- Insert and press the pin key into the disassemble button and push the sensor out of the mounting bracket.

- Once the battery is installed into the device, green LED indicator will flash quickly(5 times/second), indicating the device has entered networking status.

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Notes: if green LED indicator does notflash, try to press reset button for 5s till the green LED indicator flashes quickly, indicating the device has entered networking status.



- Open the Matter-compatible app and click the corresponding 'Add device' button, Then scan the Matter QR setup code in the manual or on the product to add the device to the app.
- If networking inclusion is successful, the green LED indicator will be on for 3s and then goes off.
If networking inclusion fails, the green LED indicator will flash slowly about 3s (twice/second).

Note: Press reset button again during networking status will stop networking process and green LED will flash slowly for 3s (twice/second) and go off.

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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.

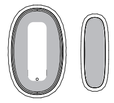
06 / LED Status Description

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

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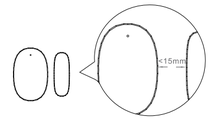
07 / Installation

- 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.



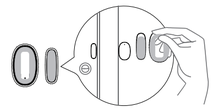
- The installation distance between the magnet part and sensor part is less than 15mm. (The magnet part can be installeither on the left or right side of the sensor.)

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- 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.)

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⚠ 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.

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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.



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Statement

*The illustrations shown are for reference only, and do not amount to any form of commitment. Please refer to the actual product;
*Given the continuous technological advancements, if the user manual and the actual operations are inconsistent, the final interpretation is reserved to the manufacturer.

FCC Statement

1. 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.
(2)This device must accept any interference received, including interference that may cause undesired operation.
2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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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.

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The device has been evaluated to meet general RF exposure requirement, This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

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PDF文档仅供参考，未转曲文档

尺寸：240*12mm,折叠后尺寸为60*60mm,
材质：80g书纸
印刷：单色印刷

包材需符合ROHS,REACH要求

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-M海曼英文说明书		
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：2023-09-18	
	物料编号：601012526	制　图：梁世平	
	版　本：Ver1.0	审　核：	
	子件料号：	准　核：	
	单　位：mm	图　幅：1/1	比　例：1：1