

A

B

C

D

E

F

G

尺寸：275\*110mm，折后尺寸为55\*55mm，  
材质：80g书纸，正反面，单色印刷

注：包材需符合RoHS,REACH认证要求

A

B

C

D

E

F

G

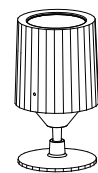
275mm

110mm

55mm

Smart Motion Sensor  
User Manual

M317-1Rev1.1



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

01/Product Introduction

This smart motion sensor, equipped with automatic valve adjustment technology and automatic temperature compensation technology, so the sensor stability is greatly enhanced, which can effectively prevent the sensor from false alarm and sensor sensitivity reduction caused by temperature changes.

It based on the Thread wireless communication protocol, featured by high security and intelligent linkage characteristics. Once the sensor detects someone moving, it will send a real time alarm message will be sent to user APP through the cloud server.

1

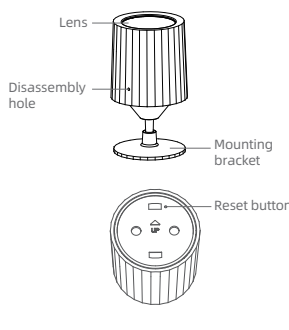
02/illustrations

Lens

Disassembly hole

Mounting bracket

Reset button



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03/Technical parameters

Working voltage	DC 3V (CR2)
Wireless protocol	Thread, BLE
Wireless distance	≤70m(In the open area indoors)
Installation mode	Wall mounting / ceiling mounting
Detection angel	110°      360°
Mounting height	1.5m      2.8m
Detection distance	≤7m(25°C)
Illuminance detection range	0~1200lux
Working temperature	-10°C ~ +55°C
Working humidity	≤95%(no condensation)
Dimensions	Φ42xH43mm(mounting bracket not included)


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04/Networking

1. Please make sure you have a Matter-compatible app and a Matter-compatible Thread Border Router.

2. Unplug the battery insulation sheet to power up the device. The green LED indicator will flash quickly (5 times/second), indicating the device has entered networking status.

Notes: If green LED indicator does not flash, try to press reset button for 5s till the green LED indicator flashes quickly, indicating the device has entered networking status.



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05/Visual indication

LED	Status
	In warm-up status, flashes for 30 seconds.
Red LED	Flashes for 1 second if someone moving is detected.
	Flashes quickly (5 times/second) during network inclusion status.
	Keeps on for 3 seconds and then goes off when networking is done.
Green LED	Flashes slowly for 3 seconds (twice/second) and then goes off if network inclusion fails.

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06/working status instructions

**Warm-up status:** after powered on, the sensor will enter warm-up status for 30 seconds, red LED flashes once per second.

**Test status:** the sensor will enter test status for about 20 minutes after warm-up period ends. In test status, when someone moving is detected, red LED will be on for about 1 second, and meanwhile "someone is moving" is reported to user APP. If it detects continuous human movement, red LED is on once/5 seconds, only if the sensor determines that no one is moving and it last for 1 minute, "No one moves" will be reported to user APP.

**Power saving status:** the sensor will enter power saving mode at the end of the test mode. Power saving mode is also the sensor's long-term working mode. In power saving mode, when someone moving is detected, red LED will be on for about 1 second, and meanwhile "someone is moving" is reported to user APP.

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07/Installation

- Installation locations to avoid:  
It's forbidden to install the sensor where there is direct exposure to sunshine, under rotatable objects, near the air-conditioner or heat source, pets may touch or outdoors.
- Installation surface should be solid without vibration.
- Recommended installation locations:  
Install the sensor where intruder may pass by.



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08/ Detection area

Wall mounting



10

Ceiling mounting



10

09/Installation instructions

Method 1:

Attach the sensor to user chosen installation place by double-sided adhesive tape.

Notes: for wall mounting, pay attention to the "a" icon on the bottom cover is upward.



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Method 2:

Attach the mounting bracket to the user chosen installation place by double-sided adhesive tape.



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Notes:

a.For wall mounting, "a" icon on the mounting bracket should be upward. Align "a" icon on the bottom cover and "a" icon on the mounting bracket to lock them in place.

b.For ceiling mounting, align "b" icon on the bottom cover and "b" icon on the mounting bracket to lock them in place.

△Attention:

1.Make sure the installation surface is smooth, flat, stable, dry and clean.

2.After installation, check if the sensor is installed firmly on the installation surface regularly.

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10/Battery replacement

- Press the disassembly hole by the pin key, remove the bottom cover from the sensor body.



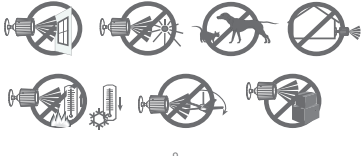
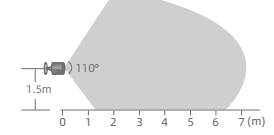
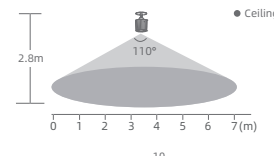
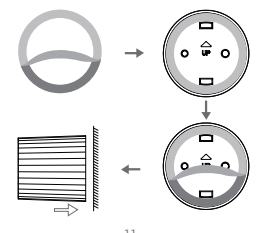
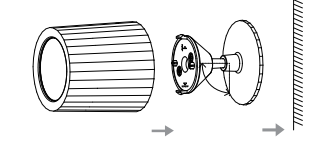
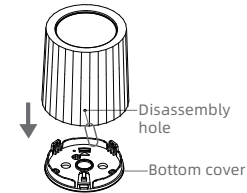
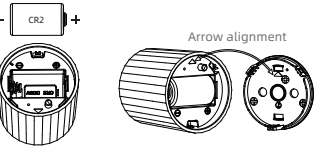
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11/Statement


- 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, please refer to the actual operations and the final interpretation is reserved to the manufacturer herein.



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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： M1-M中性英文说明书(Matter)		文件编号：	
未注明尺寸公差参照下表 线性公差： < = 2 > 2~25 > 25~75 > 75~100 > 100  角度公差：	<div>±0.03</div> <div>±0.05</div> <div>±0.08</div> <div>±0.10</div> <div>±0.15</div> <div>±0.5°</div>	型    号：		日        期： 2023-09-19	
		物料编号： 601012506		制    图： 梁世平	
		版        本： Ver1.1		审    核：	
		材        质：		核    准：	
		单        位：     mm	图        幅：     1/1		比    例：     1:1