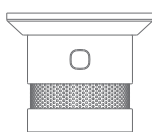


Photoelectric Smoke Alarm User Manual

M419-84Ever1.1



2531 24
2531-CPR-CSP1 1352
EN14604:2005/AC:2008

HS1SA Individual Smoke alarm
HS1SA-E Smoke alarm with Zigbee function
HS1SA-M Smoke alarm with Matter function

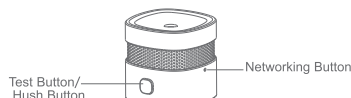
*Please read the user manual carefully before operation.
The guide picture is for reference only. Please in kind prevail.

1

01/Product Introduction

This product is a photoelectric smoke alarm. It is capable of detecting the presence of smoke real-time. Once it detects the danger of fire smoke, its red LED will flash rapidly and its buzzer will issue quick alarm sound to alert the user and user family timely. This smoke alarm can be widely used in residential building, lounge, cafe, restaurant and any other places requiring fire alarm monitoring.

02/Product Details



Smoke Alarm



Bracket

2

03/Technical Specification

- Working Voltage: DC3V(CR17335/CR123A Lithium Battery)
- Alarm Indication: Red LED
- Sound Level: ≥85dB(at 3m straight ahead)
- Connectivity: Zigbee(HS1SA-E)
Matter(HS1SA-M)
- Frequency Range: 2.4GHz-2.48GHz (HS1SA-M, HS1SA-E)
- Transmitting Power(EIRP): 5.92dBm (HS1SA-E)
8.17dBm (HS1SA-M)
- Working Temperature: -10°C ~ +50°C
- Working Humidity: ≤95%RH(no condensation)
- Dimensions: 60×60×49.2mm
- Battery Life: 10 years(HS1SA/HS1SA-E)
5 years(HS1SA-M)

3

04/Installation Instruction

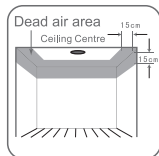
- Please put the smart gateway in the center of alarms, and shorten the distance between smart gateway and alarm devices.
- Avoid to install in places with high noise or high frequency interference, like places near metal air conditioner, heater devices, current circuit breaker control box.
- Wall building materials with metal net or metal bar may reduce the wireless transmission distance, like reinforced concrete wall.

4

05/Installation

1. Flat ceiling mounting

The preferred location to install smoke alarm is in the centre of the ceiling, because smoke, heat and combustible particles rise to ceiling and will laterally spread. Keep the smoke alarm at least 30cm away from lights or decorations, and at least 15cm away from walls and corners.

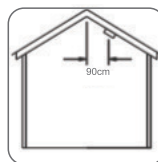


Recommended and Avoided Installation Position

5

2. Sloping ceiling mounting

If ceiling is sloping, please install the smoke alarm at horizontal distance 90cm away from the ceiling top.

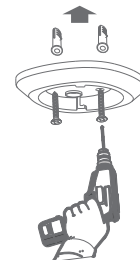


Sloping Ceiling Mounting Position

6

3. Installation Step

- Fixed the bracket on the ceiling using screws.



7

- Rotate the alarm clockwise into the bracket.



8

06/LED State and Alarm

State	LED	Sound Alarm
Normal	Red LED flashes once every 53 seconds	No
Test	Red LED flashes quickly(flash 3 times every 4 seconds)	Short quick beeps (3 beeps every 4 seconds)
Alarm	Red LED flashes quickly(flash 3 times every 4 seconds)	Short quick beeps (3 beeps every 4 seconds)
Hush	Red LED flashes once every 10 seconds	No
Low Power	Red LED flashes once every 53 seconds	Once beep every 53 seconds
Malfunction	Red LED flashes twice every 53 seconds	No

9

07/FAQ

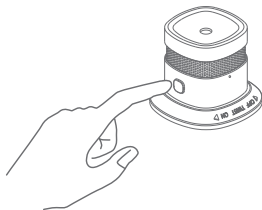
Phenomenon	Analysis	Treatment
Power on and alarm	There is large dust or vapour	Power on after cleaning dust or vapour
Power on with short beep	Low Power	Change same battery
Buzzer do not alarm or small sound	Low Power	Change same battery
Press test button but no alarm	Power connect of battery, or battery polarity inverse Low Power	Install battery and pay attention to battery polarity Change same battery
Device off line	Low Power Smart device too far away from smart hub	Change same battery 1.Add repeater, 2.Shorten distance between smart hub and smart devices, press test button or power on again.
Networking failed	Alarm device not quilt from network Gateway do not enter network state	Quilt network frist before networking Make sure gateway under networking state

10

11

08/Hush and Test

Please make sure that there is no real danger of fire when using hush function. Under known and non-fire alarm condition, please do not block or by any other form to prohibit alarming. Press the Test/Hush button to lower sensitivity and relieve alarm.

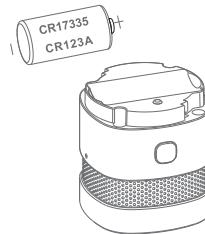


12

Press and hold the Test/Hush button for 3 seconds, as above picture shows, until alarm state (see state table).
Testing is recommended to be done at least once a month. Do not use flame for testing. Once the alarm is sure to please pay attention.

13

09/Battery Replacement



Please replace battery correctly, following the battery positive and negative electrode. Attention to environmental protection and dispose used battery properly.

14

10/Maintenance

1. Clean the smoke alarm device at least once a month by gently brushing the outside with a soft household brush. Remember to test the smoke alarm after cleaning. Do not use water, cleaners, or solvents to clean the device, as they may cause damage.
2. High temperature, high humidity or other poor condition may shorten battery life span.
3. Please change the battery timely when receiving low power indication, press test button if alarm device make sound and flash alarm means change battery success.
4. Remember to test the smoke alarm once it's installed. Make sure the alarm device is installed in suitable conditions, and takes measure for dust proof, damp proof and corrosion proof etc.

15

5. Do not dismantle the alarm device privately if any problems of alarm devices happens, please power off and contact local agent.
6. Please change to a new smoke alarm after real fire alarm happens.

16

11/Warning

1. Do not install alarm devices in places with high temperature, high humidity, heavy oil fume, and keep nearby environment clean.
2. Avoid install in places near from heavy oil paint, diluent or other colloid suspended solids, in case of any influence for normal detecting of alarm devices.
3. This product is household usage smart smoke alarm, which can make sound and flash alarm when fire happens, but can not put out a fire.

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EU DECLARATION OF CONFORMITY

Shenzhen Heiman Technology Co., Ltd. hereby declares that the device type HS1SA-E, HS1SA-M complies with directives 2014/53/EU, 2011/65/EU, (EU)2015/863, 2014/30/EU, 305/2011/EU. The device type HS1SA complies with directives 2011/65/EU, (EU) 2015/863, 2014/30/EU, 305/2011/EU. The full text of the EU declaration of conformity is available at the following internet address:
<https://www.heimantech.com/product/?type=detail&id=3>

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Announcement

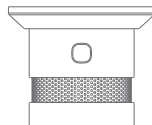
- * The pictures shown are for reference only.
- * If the user manual and the actual operations are inconsistent, the final interpretation is reserved to the manufacturer.

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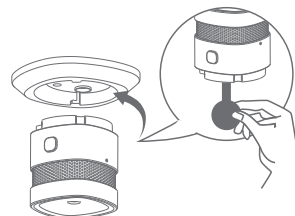
Network Configuration Manual

M414-28Ever1.0



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

01/ Networking

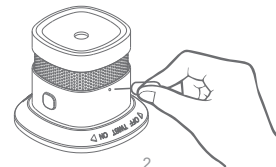


Rotate the alarm anticlockwise to move it out of the bracket, and then remove the battery insulating film to power on the alarm.

1

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 networking button for 5 seconds till the green LED indicator flashes quickly, indicating the device has entered networking status.



2

3. 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.
4. If networking inclusion is successful, the green LED indicator will be on for 3 seconds and then goes off. If networking inclusion fails, the green LED indicator will flash slowly about 3 seconds(twice/second).

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

3

! 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 fails, please move the device closer to the gateway and try again.

*Please add the device to the gateway first, and then install it to the proper installation position.

4

02/ LED Status

LED	Status
Green LED	1.Rapidly flash during networking (5 times/second). 2.Keep on for around 3 seconds if network success. 3.Flash slowly if network failed(twice/second) 6 times.
	1.APP operation, network failed, flash slowly 6 times. 2.long press networking button for 5 seconds, red LED on around 2 seconds, then flash slowly for 6 times, disconnect success.

5

03/ Wireless Connection Test

After the alarm is added to network, press test button to test the wireless connection. When an alarm condition is activated, an alarm message will be transmitted to user APP immediately. If there is no alarm condition, the alarm will report remaining battery power to user APP periodically.

04/ Product OTA update

For the alarm with networking function, OTA update is available. Open APP on mobile phone and operate according to APP update prompt until OTA update is completed.

(*Make sure the device is working normally and the battery is not in low power status before updating).