space tronik

USER MANUAL

SMOKE DETECTOR

SA-DS03B

Contents

Thanks for choosing SA-DS03B household standalone photoelectric smoke alarm. In order to ensure your personal and system safety and realize the best product performance, please read this manual carefully and completely before installing, using or repairing this device, and the Warnings and Notes in this manual should be paid special attention to.

1. Product Description

The SA-DS03B household standalone photoelectric smoke alarm (alarm) detects fire by sensing smoke. When smoke in the room reaches a certain concentration, the alarm will send out sound and light warning alarm. This alarm is applicable for residential houses. Standard implemented: EN 14604:2005 +AC:2008
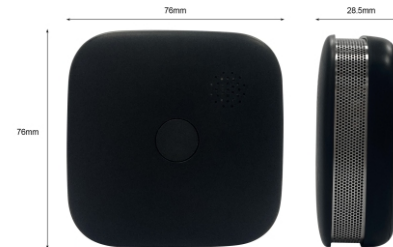
2. Products Features

- Single light source detection, free from false alarm due to dusts, insects and moisture.
- Professional maze design, quick sense of fire.
- Low power consumption, ultra-long standby time, 10-year service life.
- Fire-retardant plastic case with glossy surface treatment.
- Dismantle-free cover design for cleaning.
- Blind twist design +3M double-sided glue quick installation.

3. Technical Parameters

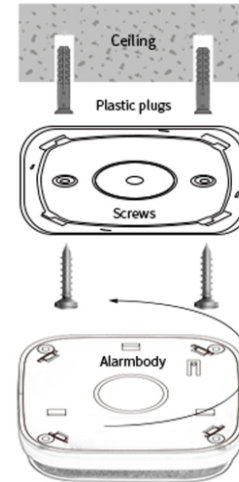| Model	SA-DS03B
Operating Voltage	DC 3V (CR123A)
Battery Capacity	1600 mAh (Built-in, Non-replaceable)
Average Quiescent Current	＜9 uA
Alarming Mode	Sound + light
Alarming Sound Level	≥85 dB (at 3 m)
Operating Humidity	≤95% RH (non-condensation)
Battery Life	10 years (typical value)
Operating Temperature	-10 °C - +55 °C
Installation	Ceiling-mounted (screwing or 3M gum)
Size (L*W*H)	76 mm * 76 mm * 28.5 mm
Standard	EN 14604:2005＋AC:2008

4. Product Size and Installation
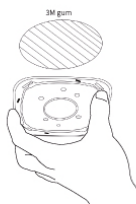
4.1 Product Size

76mm   28.5mm

76mm

4.2 Installation method

- Place the mounting plate on the desired installation location and mark where the holes should be drilled.
- Drill two holes with a diameter of 4 millimetres. (The distance between them is 42 millimetres).
- Push the plastic plugs into the holes.
- Insert the screws into the mounting plate, and tighten them firmly into the plugs.
- Fasten the smoke alarm on the mounting plate by twisting clockwise.
- Fasten the smoke alarm when the holes on the mounting plate and smoke alarm are aligned.
- Press the test button to check whether the smoke alarm operation normally, the smoke alarm is abnormal and can not be used if no sound.
- Plastic plugs size: M4 * 20
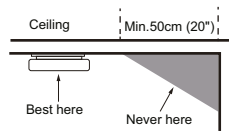- Screw size: M2.6 * 16

1. 3M gum to fix the mounting plate onto the ceiling.

2. Mount the alarm onto the mounting plate.

3. Twist clockwise the alarm to lock the alarm onto the mounting plate.

Ceiling | Min.50cm (20")

Best here | Never here

Notes

- The smoke alarm should be installed in the middle of the room ceiling;
- The smoke alarm should only be installed indoor and at least one alarm in each room;
- The smoke alarm should be at least 150cm away from lights, exhaust fan, air conditioner and air inlet/outlet;
- Do not install the alarm in bathroom or those places with water drops;
- Do not install the alarm in areas with non-fire smoke.

5. Indicator States Instruction

5.1 Normal Operating State
Under normal operating state, the red indicator flashes one time per 40 seconds.

5.2 Alarming State
When smoke concentration reaches alarming point, the red indicator flashes consecutively and the alarm sends out beeping alarm.

5.3 Testing State
Short-pressing the test button, the red indicator will flash consecutively, the alarm will send out three beeping sound twice, a period later, it will automatically stop.

5.4 Low Power Failure State
Under low power failure state, the red indicator flash once per 40 seconds, at the same time, the alarm will beep once.

5.5 Device Failure State
The red indicator flashes twice per 40 seconds, and the alarm beeps twice per 40 seconds.

5.6 Hush State
When the alarm is at alarming state, users can short-press the test button to make the alarm enter hush state, then the alarm will not send out sound alarm, 9 minutes later, if the smoke concentration is still above the alarming point, the alarm will start to send out sound and light alarm again.

Notes: The hush state will not mitigate the fire risk. When any alarm is initiated, please do check your house for any potential fire risk.

6. Troubleshooting

Failure	Possible Reason(s)	Measure(s)
Alarm immediately upon power on	A lot of smoke indoor	Power on the device again after smoke removed
Alarm immediately upon power on	Internal circuit damaged	Return the device for repair
The red indicator flash once meanwhile beep once per 40 seconds after powered on	Low battery voltage	Return the device for repair
The red indicator flashes twice meanwhile beep twice per 40 seconds after powered on	Internal circuit damaged	Return the device for repair
No alarm when testing	Low battery voltage	Replace the device
No alarm when testing	Internal circuit damaged	Return the device for repair
No sound or low sound of buzzer	Buzzer misplaced	Return the device for repair

7. Care and maintenance
1. After the alarm is installed and put into use, press the test button to test the detector every week.
2. Clear smoke alarms: clean the smoke alarms at least once a year to keep them clean from the accumulated dust.

Caution:
Please do not smear your smoke alarm with paint, coating etc, which may obstruct the smoke inlet to affect the alarm work normally.

Do not use solvents or detergents to clean your smoke alarm. The solvents or detergents permeate the alarm may lead to sensor mishaps or circuit damage, can clean with cotton cloth or sponge.

8. Contact Us
Thanks for choosing our smoke alarm. This smoke alarm is under our company warranty. For any quality issue or device failure, please contact us. We are dedicated in providing excellent service and quick response!

Hereby Spacetronik Sp. z o.o. declares under its sole responsibility that the product SA-DS03B is in conformity with following directives: EMC (2014/30/UE), RoHS (2011/65/UE + 2015/863/UE). Full document (declaration of conformity) is available for download from the website www.spacetronik.eu.
The WEEE symbol (the crossed-out wheeled bin) using indicates that this product is not home waste. Appropriate waste management aids in avoiding consequences which are harmful for people and environment and result from dangerous materials used in the device, as well as improper storage and processing. Segregated household waste collection aids recycle materials and components of which the device was made. In order to get detailed information about recycling this product please contact your retailer or a local authority.

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