Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

SEBSON SD_GS559A

SEBSON Smoke Detector with Heat Detector

Model: SD_GS559A
Brand: SEBSON

1. Product Overview

The SEBSON GS559A is a wireless photoelectric smoke detector integrated with a heat detector, designed to enhance fire safety in residential environments. This device is certified according to DIN EN 14604, ensuring compliance with European safety standards. It detects smoke development and abnormally high room temperatures, triggering an alarm to alert occupants.

A key feature of the GS559A is its networkability, allowing up to 15 detectors of the same product line to be wirelessly linked. When one networked detector senses smoke or excessive heat, all connected alarms will sound, providing comprehensive coverage and early warning throughout your home.



Image: Front view of the SEBSON GS559A smoke detector, showing its circular design and central test button/LED indicator.

2. Safety Information

- Read all instructions carefully before installation and operation.
- Do not paint the smoke detector. Paint can clog the sensing chambers and prevent the alarm from operating correctly.
- Do not install in areas with high humidity, excessive dust, or extreme temperatures.
- Regularly test the smoke detector as instructed in this manual.
- Replace batteries immediately when the low battery warning sounds.
- Ensure the alarm sound is audible from all sleeping areas.

3. Package Contents

Verify that all items are present in the package:

- 1 x Wireless Smoke Detector GS559A
- 2 x 1.5V DC AA Batteries
- 2 x Fixing Screws
- 2 x Wall Plugs

4. Setup and Installation

4.1 Battery Installation

1. Twist the mounting bracket counter-clockwise to detach it from the detector unit.
2. Insert the two 1.5V AA batteries into the battery compartment, observing the correct polarity (+/-).
3. The detector will emit a short beep and the LED will flash, indicating successful battery installation and self-test initiation.

4.2 Mounting Location

Install smoke detectors on every level of your home, including basements and attics. For optimal protection, install detectors inside and outside sleeping areas. Avoid 'dead air' spaces near corners where ceilings meet walls.



Image: The SEBSON GS559A smoke detector installed on a white ceiling, demonstrating its discreet profile.

4.3 Physical Installation

1. Choose a suitable mounting location on the ceiling or wall.
2. Mark the positions for the two drill holes using the mounting bracket as a template.
3. Drill the holes and insert the wall plugs.
4. Secure the mounting bracket to the ceiling/wall using the provided screws.
5. Align the detector unit with the mounting bracket and twist clockwise until it clicks securely into place.



Image: Technical diagram illustrating the dimensions of the SEBSON GS559A smoke detector, with a diameter of 120mm and a height of 34mm.

4.4 Networking Multiple Detectors

The GS559A can be wirelessly linked with up to 15 other SEBSON radio warning detectors from the same product line (e.g., GS412, GS156A, GS816A, GS188). This creates a synchronized alarm system where all connected units sound an alarm if one detects a hazard.

- Refer to the specific networking instructions provided with each detector for pairing procedures.
- The radio range is approximately 100 meters in open areas and about 35 meters in enclosed rooms, depending on building structure.

5. Operating Instructions

5.1 Alarm Triggers

- **Smoke Detection:** The photoelectric sensor detects smoke particles, triggering an audible alarm (≥ 85 dB at 3 meters).
- **Heat Detection:** The integrated heat detector triggers an alarm if the ambient temperature exceeds 58°C.
- **Networked Alarm:** If one networked detector triggers an alarm, all other connected detectors will also sound an alarm.

5.2 LED Indicator and Self-Test

The detector performs an automatic self-test every 50 seconds. This is indicated by a short flash of the LED lamp, confirming the unit is operational.

5.3 Manual Test Function

Press and hold the central test button on the detector. The alarm will sound briefly, and the LED will flash, confirming the alarm's functionality. Release the button to stop the test.

5.4 Low Battery Warning

When the batteries are low, the detector will emit a regular beep and the LED will flash approximately every 50 seconds. This indicates that the batteries need to be replaced promptly.

5.5 Mute Function (Temporary Silence)

- **Low Battery Mute:** The low battery warning signal can be temporarily silenced for 10 hours by pressing the test button. The smoke detection function remains active during this period. This is useful when you need time to acquire new batteries.
- **False Alarm Mute:** In case of a nuisance alarm (e.g., from cooking fumes), pressing the test button can silence the alarm for 10 minutes. The detector will automatically reset after this period.

6. Maintenance

6.1 Battery Replacement

Replace the two AA batteries when the low battery warning sounds. Follow the battery installation steps in Section 4.1.

6.2 Cleaning

Dust and debris can accumulate on the detector, potentially affecting its performance. Clean the detector regularly (at least once a month) by gently vacuuming the vents around the unit or wiping it with a soft, damp cloth. Do not use cleaning sprays or solvents.

6.3 Regular Testing

Test the smoke detector weekly by pressing the test button to ensure it is functioning correctly. For networked systems, verify that all linked detectors sound the alarm during the test.

7. Troubleshooting

- **Alarm sounds intermittently or chirps:** This typically indicates a low battery. Replace the batteries immediately.
- **False alarms:** Ensure the detector is not installed near sources of steam (e.g., bathrooms), cooking fumes, or excessive dust. Use the mute function for temporary silencing if necessary.
- **No alarm during test:** Check battery installation and ensure batteries are fresh. If the issue persists, the unit may be faulty and require replacement.
- **Networked detectors not alarming:** Verify that all detectors are properly paired according to their individual instructions. Check the radio range and ensure no significant obstructions are blocking the signal.

8. Specifications

Feature	Specification
Model	GS559A (SD_GS559A)
Certification	DIN EN 14604
Sensor Type	Photoelectric (Smoke), Thermistor (Heat)
Thermal Sensitivity	Alarm at > 58°C
Power Supply	2 x 1.5V DC AA Batteries (included)

Alarm Volume	≥ 85 dB(A) at 3 meters
Networkability	Max. 15 radio warning detectors (same product line)
Radio Frequency	868 MHz
Radio Range	Approx. 100m (free area), Approx. 35m (enclosed rooms)
Dimensions	Ø 120 x 34 mm
Weight	120 grams

9. Warranty and Support

For warranty information or technical support, please refer to the documentation provided with your purchase or contact SEBSON customer service directly. Keep your proof of purchase for warranty claims.

Contact information can typically be found on the manufacturer's official website or on the product packaging.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B07G3FGMY4

More documents and user manuals: **https://manuals.plus/**