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SEBSON GS536GC

SEBSON GS536GC Photoelectric Smoke Detector User Manual

Model: GS536GC | Brand: SEBSON

INTRODUCTION

The SEBSON GS536GC photoelectric smoke detector is designed to provide early warning of dangerous smoke development. This device is certified according to DIN EN 14604 standards, ensuring reliable performance. Upon detecting smoke, the alarm emits a loud sound to alert occupants. The detector also features a self-test function and a low battery warning system for continuous safety monitoring.

PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- 6 x SEBSON GS536GC Smoke Detectors
- 6 x 9V DC Block Batteries (Alkaline)
- 12 x Mounting Screws

SAFETY INFORMATION

Please read and understand all safety instructions before installation and use. Failure to do so may result in improper operation and potential hazards.

- **Do Not Paint:** Never paint the smoke detector. Paint can clog the sensing chambers and prevent the unit from operating correctly.
- **Regular Testing:** Test the smoke detector weekly to ensure it is functioning properly.
- **Battery Replacement:** Replace the battery immediately when the low battery warning sounds. Although the included battery has a 5-year life, individual battery performance may vary.
- **Placement:** Install smoke detectors in all sleeping areas and on every level of your home, including the basement.
- **Maintenance:** Keep the detector clean and free from dust.
- **Disposal:** Dispose of used batteries and the smoke detector according to local regulations.

SETUP AND INSTALLATION

Proper installation is crucial for the effective operation of your smoke detector.

1. Choosing an Installation Location

Install smoke detectors on the ceiling in the center of the room, or at least 50 cm (20 inches) from any wall. Avoid installing in:

- Kitchens, bathrooms, or garages where cooking fumes, steam, or exhaust can cause false alarms.
- Near ventilation openings, air conditioners, or fans, as air currents can prevent smoke from reaching the detector.
- Areas with high humidity or extreme temperatures (outside 0°C to +37°C).



Image: A SEBSON GS536GC smoke detector mounted on a white ceiling, demonstrating a typical installation location.

2. Battery Installation

1. Remove the mounting bracket from the smoke detector by twisting it counter-clockwise.
2. Insert the provided 9V DC block battery into the battery compartment, ensuring correct polarity (+/-).
3. The detector will emit a short beep to indicate successful battery installation.

3. Mounting the Detector

You can mount the detector using the included screws or an appropriate adhesive (not included).

1. Screw Mounting:

- Mark two drill holes on the ceiling using the mounting bracket as a template.
- Drill the holes and insert wall plugs if necessary.
- Attach the mounting bracket to the ceiling using the provided screws.
- Align the smoke detector with the mounting bracket and twist clockwise until it locks securely in place.

2. Adhesive Mounting (Optional, not recommended for all surfaces):

- Ensure the ceiling surface is clean, dry, and smooth.
- Apply a suitable adhesive (e.g., double-sided adhesive pad, not included) to the back of the mounting bracket.
- Press the bracket firmly onto the desired ceiling location for at least 30 seconds.
- Align the smoke detector with the mounting bracket and twist clockwise until it locks securely in place.



Image: Technical drawing illustrating the dimensions of the smoke detector (90mm diameter, 31mm height).

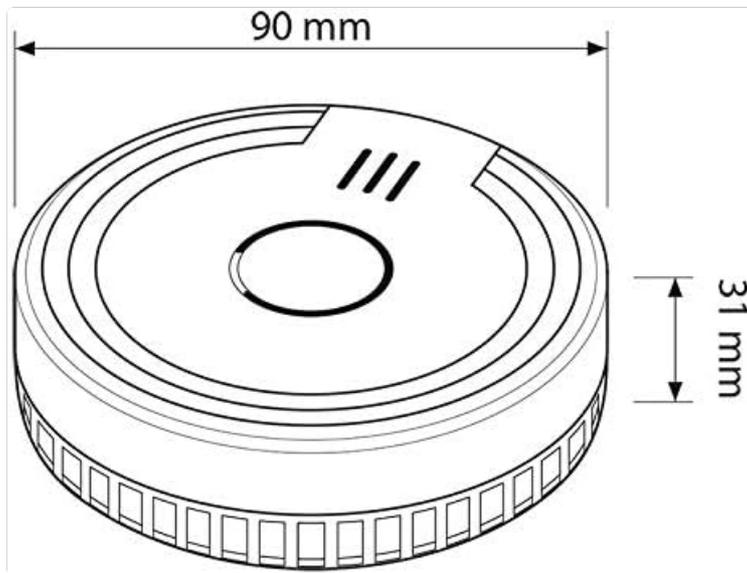


Image: Another technical drawing providing an isometric view of the smoke detector with its dimensions.

OPERATING INSTRUCTIONS

Normal Operation

Once installed with a fresh battery, the smoke detector will enter normal operating mode. A short flash of the LED indicator every 32 seconds confirms that the unit is powered on and performing its self-test function.



Image: Front view of the smoke detector, highlighting the test button and LED indicator area.

Testing the Detector

To manually test the smoke detector, press and hold the central test button for approximately 5 seconds. The alarm will sound loudly, and the LED will flash rapidly. Release the button to stop the alarm. This test verifies the battery, alarm, and sensing circuitry are working correctly.

Alarm Signal

When smoke is detected, the alarm will emit a loud, continuous sound (≥ 85 dB at 3 meters) and the LED will flash rapidly. In case of an alarm, evacuate the premises immediately and contact emergency services.

Low Battery Warning

When the battery is low, the detector will emit a short chirp approximately every 30-40 seconds, accompanied by a brief LED flash. This indicates that the battery needs to be replaced immediately.

MAINTENANCE

Regular maintenance ensures the continued reliability of your smoke detector.

- **Weekly Testing:** Press the test button weekly to confirm the alarm is functioning.
- **Monthly Cleaning:** Gently vacuum the exterior of the smoke detector with a soft brush attachment to remove dust and cobwebs. Do not use cleaning agents or solvents.
- **Battery Replacement:** Replace the 9V alkaline battery when the low battery warning sounds. Although the battery has a 5-year life, it is replaceable. Always use a fresh, high-quality 9V alkaline battery.



Image: Side view of the smoke detector, illustrating the air intake vents that should be kept clear of dust.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Detector chirps every 30-40 seconds.	Low battery.	Replace the 9V alkaline battery immediately.
Alarm sounds without visible smoke.	Dust or insects in the sensing chamber, high humidity, or proximity to cooking fumes/steam.	Clean the detector with a vacuum cleaner. Relocate the detector if it's too close to sources of steam or fumes.
Detector does not sound during test.	Dead or improperly installed battery, or faulty unit.	Check battery installation and replace if necessary. If the problem persists, the unit may be faulty and needs replacement.
LED does not flash every 32 seconds.	No power or faulty unit.	Check battery installation and replace if necessary. Ensure the battery is fresh. If still no flash, replace the unit.

SPECIFICATIONS

Feature	Detail
Model	GS536GC
Sensor Type	Photoelectric
Certification	DIN EN 14604
Power Source	9V DC Block Battery (Alkaline)
Battery Life	Up to 5 years (replaceable)
Alarm Volume	≥ 85 dB (A) at 3 meters
Smoke Sensitivity	0.085-0.1377 dB/m
Operating Temperature	0°C to +37°C
Dimensions (Diameter x Height)	90 mm x 31 mm
Color	White
Item Weight (per unit)	Approx. 160g

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the manufacturer's official website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

Manufacturer: SEBSON



