

SITERWELL GS509A

SITERWELL GS509A Smoke Detector User Manual

Model: GS509A

INTRODUCTION

This user manual provides essential information for the proper installation, operation, and maintenance of your SITERWELL GS509A Photoelectric Smoke Detector. Please read this manual thoroughly before installation and keep it in a safe place for future reference. This device is designed to detect smoke and provide an early warning of fire, enhancing the safety of your home and family.

SAFETY INFORMATION

Your SITERWELL GS509A smoke detector is professionally ETL-9th certified and meets UL-9th standards, ensuring high safety compliance. Proper installation and regular testing are crucial for effective fire safety. Always ensure the alarm is functioning correctly.

- Do not paint the smoke detector. Painting can interfere with the sensor's ability to detect smoke.
- Do not install in damp, drafty, or covered areas.
- Regularly test the alarm to ensure it is operational.
- Replace batteries promptly when a low battery warning is indicated.

Meets **UL217-9th** Standards

Meets the latest UL9 standard for enhanced safety



Intertek
5019856

Conforms to UL STD 217 9th Ed
Certified to CAN/ULC STD
S531:2019



Figure 1: SITERWELL GS509A Smoke Detector showing ETL and Intertek certifications, confirming compliance with UL217-9th standards.

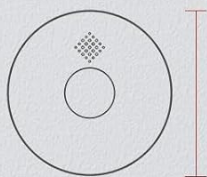
PRODUCT OVERVIEW

The SITERWELL GS509A is a photoelectric smoke detector designed for reliable fire detection. It features a compact and stylish design, making it suitable for various home environments.



Figure 2: A pack of six SITERWELL GS509A smoke detectors, along with the included magnetic mounting pads for easy installation.

Compact & Stylish Design



Diameter: 3.9in (99mm)



Thickness: 1.4in (35mm)



Figure 3: The compact design of the SITERWELL GS509A smoke detector, showing its dimensions of 3.9 inches (99mm) in diameter and 1.4 inches (35mm) in thickness.

The detector incorporates advanced dual light wave detection technology to accurately distinguish between smoke from actual fires and nuisance alarms caused by cooking or dust, maintaining consistent sensitivity. Its trumpet-type 360° no dead-angle smoke cage technology ensures faster smoke gathering and earlier detection.

Fewer nuisance alarms

Identify cooking/dust smoke for
fewer false alarms



Figure 4: The smoke detector's ability to identify cooking/dust smoke, leading to fewer false alarms in kitchen environments.

Fast Smoke Detection

Quick in detecting slow-burning fires



Figure 5: Illustration of the smoke detector's fast smoke detection capability, quickly identifying slow-burning fires.

SETUP AND INSTALLATION

The SITERWELL GS509A smoke detector offers quick and easy installation options. It is battery-operated, requiring no complex wiring.

Battery Activation:

Upon receiving your smoke detector, activate the included 9V battery. Open the battery compartment on the back of the unit and remove any protective slips or tabs to allow the battery to make contact. Close the compartment securely.

Mounting Options:

You can install the smoke detector using either the provided screws and anchors or the adhesive magnetic pads.

1. Using Screws and Anchors:

- Select a suitable location on a wall or ceiling, away from dampness or drafts.

- Use the mounting bracket as a template to mark drill holes.
- Drill holes, insert anchor plugs, and secure the mounting bracket with screws.
- Attach the smoke detector to the mounted bracket by twisting it clockwise until it locks into place.

2. Using Adhesive Magnetic Pads:

- Ensure the mounting surface is clean, dry, and smooth.
- Peel off the protective film from one side of the magnetic pad and firmly press it onto the back of the smoke detector.
- Peel off the protective film from the other side of the magnetic pad and firmly press the detector onto the desired wall or ceiling location.
- Hold for a few seconds to ensure strong adhesion.



Figure 6: Detailed illustration of the two installation methods: (A) using screws and anchor plugs for secure mounting, and (B) using the provided adhesive magnetic pads for quick and easy setup.

Testing the Alarm:

It is recommended to test your smoke detector weekly to ensure proper functionality. To test, simply press and hold the large "Test/Silence" button located on the front of the unit. The alarm will sound a loud, piercing tone (85 decibels) and the LED indicator will flash. Release the button to stop the test.

Silence Function:

The smoke detector features a 10-hour mute function to temporarily silence nuisance alarms (e.g., from cooking fumes). To activate the silence mode, press the "Test/Silence" button once when the alarm is sounding. The alarm will temporarily cease, and the LED indicator will flash every few seconds to indicate it is in silence mode. After approximately 10 hours, the alarm will automatically reset to normal operation. If the smoke condition persists, the alarm will reactivate.



Figure 7: A user demonstrating the one-touch mute function, which can silence the alarm for up to 10 hours, useful for temporary nuisance alarms.

MAINTENANCE

Battery Replacement:

The SITERWELL GS509A uses a replaceable 9V battery. When the battery is low, the detector will emit a short "chirp" sound approximately once every 30-60 seconds. This indicates that the battery needs to be replaced immediately.

1. Twist the smoke detector counter-clockwise to remove it from its mounting bracket.
2. Open the battery compartment cover on the back of the unit.
3. Remove the old 9V battery and dispose of it properly.
4. Insert a new 9V battery, ensuring correct polarity (+ to + and - to -).
5. Close the battery compartment cover.
6. Reattach the smoke detector to its mounting bracket by twisting clockwise.
7. Test the alarm immediately after replacing the battery.



Figure 8: View of the SITERWELL GS509A smoke detector with its battery compartment open, illustrating the replaceable 9V battery and indicating low battery warning capability.

Cleaning the Detector:

Clean your smoke detector at least once a month to remove dust and debris. Use a soft brush or a vacuum cleaner with a soft brush attachment to gently clean the exterior and the openings around the alarm. Do not use water, cleaners, or solvents, as these can damage the unit.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Alarm chirps periodically.	Low battery.	Replace the 9V battery immediately.
Alarm sounds frequently without apparent smoke.	Nuisance alarm (cooking fumes, steam, dust), or detector is too close to a source of combustion.	Press the "Test/Silence" button to activate mute mode. Relocate the detector if false alarms persist due to placement. Clean the detector.
Alarm does not sound during test.	Dead or improperly installed battery, or unit malfunction.	Check battery installation and replace if necessary. If still not working, replace the unit.
LED indicator not flashing.	No power or unit malfunction.	Ensure battery is correctly installed and active. If issue persists, replace the unit.

SPECIFICATIONS

- **Model:** GS509A
- **Brand:** SITERWELL
- **Power Source:** 9V Replaceable Battery (included)
- **Sensor Type:** Photoelectric
- **Alarm Loudness:** 85 dB at 3 meters (10 feet)
- **Product Dimensions:** 3.92" (W) x 3.92" (H) x 1.37" (D)
- **Item Weight:** 9.6 ounces
- **Operating Temperature:** 40°F (4.4°C) to 100°F (37.8°C)
- **Upper Temperature Rating:** 122 Degrees Fahrenheit
- **Material:** Plastic
- **Certifications:** UL217-9th Listed, ETL Certified
- **Included Components:** Smoke detector, 9V battery, magnetic pads, screws and anchor plugs

WARRANTY AND SUPPORT

SITERWELL products are designed for reliability and performance. For specific warranty details and support, please refer to the warranty card included with your product packaging or visit the official SITERWELL website. If you encounter any issues or have questions regarding your smoke detector, please contact SITERWELL customer support.

Manufacturer: SITERWELL ELECTRONICS CO.,LIMITED

Online Store: [Visit the SITERWELL Store on Amazon](#)

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

Answered questions about this manual

Why is my Siterwell GS509A smoke detector beeping even after I replaced the battery and cleaned it?

If your Siterwell GS509A continues to beep after you have replaced the battery and ensured there is no dust, please consider the following possibilities based on the manual's troubleshooting guide: Defective Battery: Even new batteries...

[Read full answer](#)

The Siterwell GS509A units I received do not have a visible LED light indicator. Is testing the unit the only way to know if it is operating correctly, and is installation near an AC vent correct?

According to the Siterwell GS509A manual, the unit does have an LED indicator, though it may not be immediately obvious when the unit is in standby. Here is how to address your concerns: LED Indicator:...

[Read full answer](#)