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› LSHOME GS526A Smoke Detector User Manual

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LSHOME GS526A Smoke Detector User Manual

Model: GS526A | Brand: LSHOME

1. PRODUCT OVERVIEW

The LSHOME GS526A is a 9V battery-operated photoelectric smoke detector designed for residential fire safety. It is optimized to detect slow smoldering fires, which typically generate light smoke before bursting into flames. This device provides audible and visual warnings to alert occupants to the presence of smoke.



Image: Three LSHOME GS526A Smoke Detectors, illustrating the product's appearance.

Key features include easy installation, a test button for weekly checks, and a loud alarm with an LED warning light. The photoelectric technology ensures sensitivity to light smoke, making it an effective component of a home fire safety system.



Image: A diagram illustrating various application scenarios for the smoke detector, including housing, schools, hotels, hospitals, companies, factories, warehouses, and shopping malls.

2. SPECIFICATIONS

Feature	Detail
Model Number	GS526A
Brand	LSHOME
Power Source	9V Battery (Included: Zinc Carbon)
Sensor Type	Photoelectric
Alarm Type	Audible, Visual (Red LED)
Alarm Volume	> 85dB(A) @ 3 meters

Product Dimensions	4"D x 4"W x 1"H (approx. 10cm x 10cm x 2.5cm)
Item Weight	1 Pound (approx. 0.45 kg)
Material	Fire-Retardant PC Plastic
UPC	709450991554



Image: Exploded view diagram of the LSHOME smoke detector, detailing its internal components such as the photoelectric sensor, 9V battery, and buzzer.

3. INSTALLATION

The LSHOME GS526A smoke detector is designed for easy installation. Follow these steps for proper mounting and placement.

3.1. Choosing Installation Location

Proper placement is crucial for effective smoke detection. Install smoke detectors in every room (except bathrooms

and kitchens due to steam/cooking fumes that can cause false alarms). Consider the following guidelines:

- Install on the ceiling or high on a wall.
- Avoid placing near windows, doors, or vents where drafts might interfere with smoke reaching the detector.
- Keep away from areas with high humidity or extreme temperatures.
- Refer to local building codes and regulations for specific requirements.

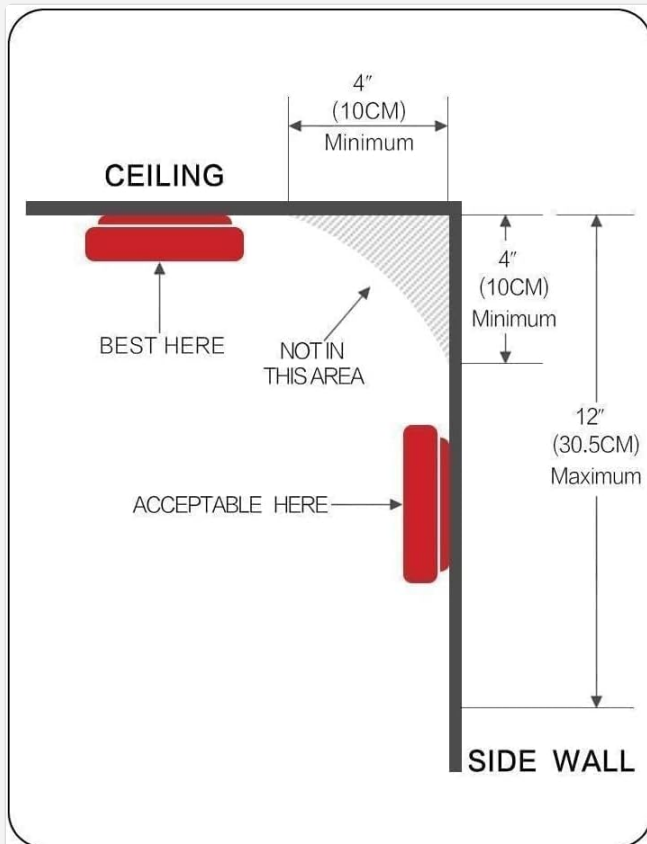


Figure1

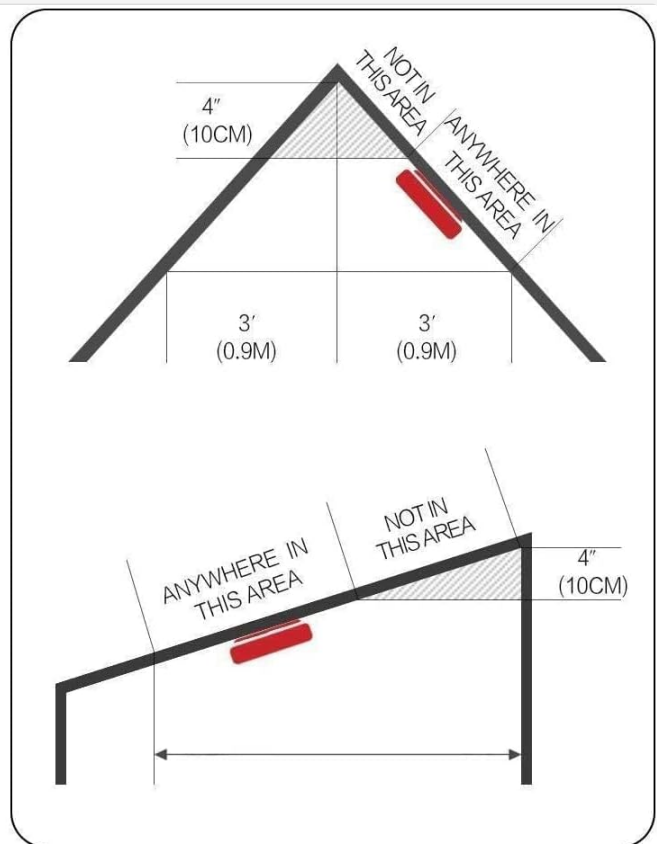


Figure2

Image: Technical diagrams (Figure 1 and Figure 2) illustrating recommended and acceptable installation locations for smoke detectors on ceilings and side walls, including minimum distance requirements from corners and peaks for optimal performance.



Image: A diagram showing a multi-story house layout with suggested placements for smoke detectors, carbon monoxide alarms, and fire extinguishers in various rooms like bedrooms, living room, and office.

3.2. Mounting Instructions

1. **Prepare the Mounting Bracket:** The smoke detector comes with a mounting bracket and screws.
2. **Install Battery:** Insert the 9V battery into the battery compartment. The safety clip feature prevents mounting the smoke alarm without the battery installed, ensuring it is always powered.
3. **Attach Bracket:** Secure the mounting bracket to your chosen ceiling or wall location using the provided screws. Ensure it is firmly attached.
4. **Mount Detector:** Align the smoke detector with the mounting bracket and twist clockwise to secure it in place.
5. **Test Installation:** After mounting, press the test button to ensure the alarm functions correctly.

4. OPERATION

The LSHOME GS526A smoke detector operates continuously once the battery is installed. It features a photoelectric sensor to detect smoke particles and provides clear warnings.

4.1. Normal Operation

Under normal conditions, the smoke detector remains in standby mode, continuously monitoring the air for smoke. The red LED indicator may flash periodically (e.g., every 32 seconds) to indicate normal operation.

4.2. Alarm Indication

When the smoke detector senses smoke or combustion particles in the air, it will activate its alarm. The alarm will sound loudly (> 85dB(A) @ 3 meters), and the red LED will flash rapidly. The alarm will continue until the air is clear of smoke or the test button is released (if pressed for testing).

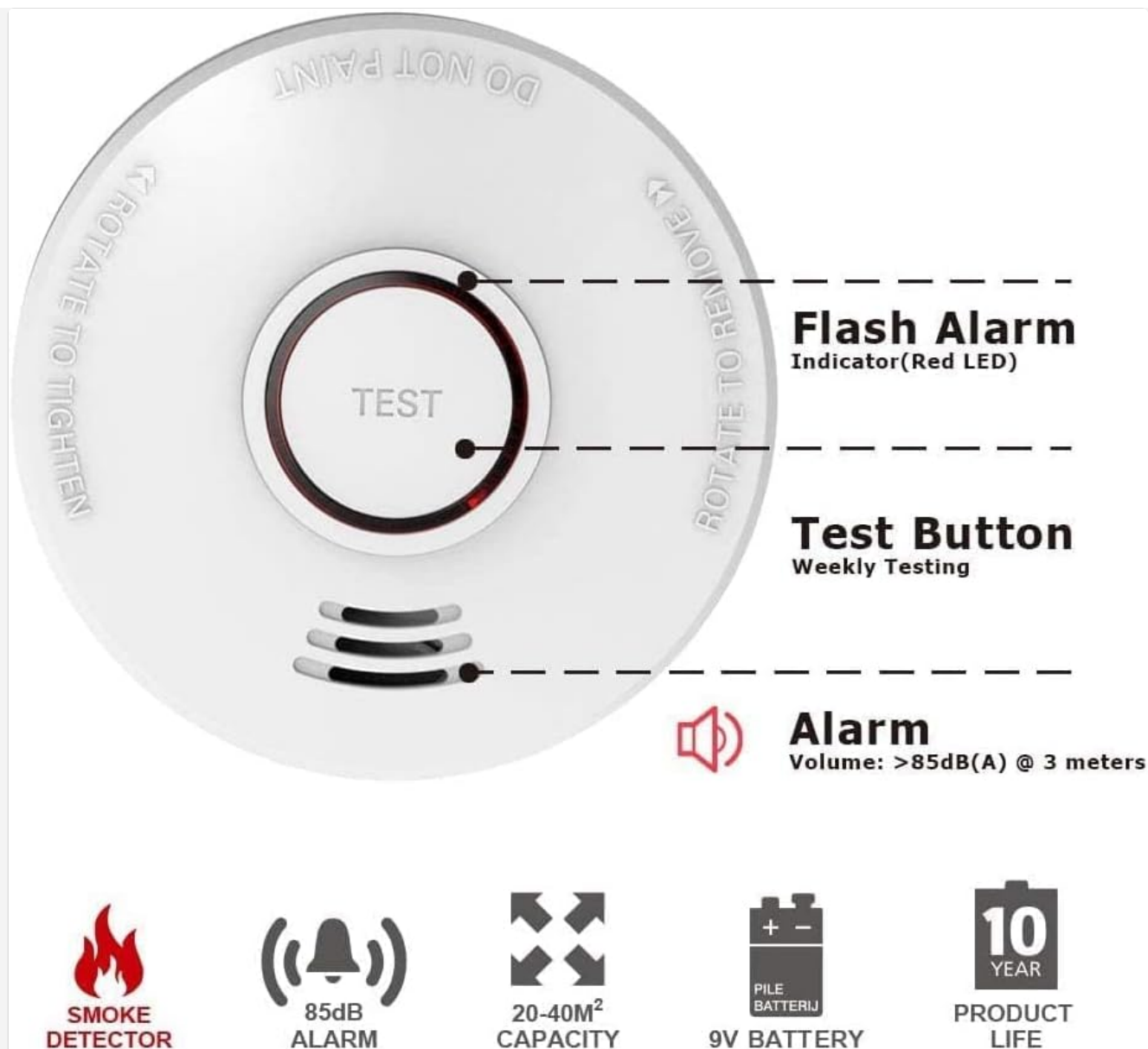


Image: A close-up diagram of the smoke detector, pointing out the Flash Alarm (Red LED), the central Test Button, and the location of the Alarm speaker, indicating a volume of over 85dB at 3 meters.

4.3. Test Button Function

The test button is located in the center of the smoke detector. Press and hold this button for approximately 5 seconds to perform a functional test. The alarm should sound, and the LED should flash, confirming the unit is working correctly. Release the button to stop the test.

5. MAINTENANCE

Regular maintenance ensures the continued reliability and effectiveness of your smoke detector.

5.1. Weekly Testing

It is recommended to test your smoke alarm weekly by pressing the test button for 5 seconds. This verifies that the alarm circuitry, battery, and horn are functioning.

5.2. Battery Replacement

The smoke detector will indicate a low battery condition by emitting a "chirp" sound approximately every 32 seconds, accompanied by a rapid flash of the red LED. When this occurs, replace the 9V battery immediately. To replace the

battery, remove the detector from its mounting bracket, open the battery compartment, replace the old battery with a new 9V battery, and re-mount the detector.

5.3. Cleaning

Clean the smoke detector every 6 months to prevent dust accumulation from clogging the sensor and causing false alarms or reduced sensitivity. Use a soft brush or a vacuum cleaner with a soft brush attachment to gently clean the exterior and around the sensor openings. Do not paint the smoke detector.

6. TROUBLESHOOTING

If your smoke detector is not functioning as expected, refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Alarm chirps every 32 seconds	Low battery	Replace the 9V battery immediately.
Alarm sounds without smoke present (false alarm)	Dust accumulation, high humidity, cooking fumes, steam, or insect infestation.	Clean the detector as described in the Maintenance section. Relocate the detector if it's too close to kitchens, bathrooms, or dusty areas. Check for insects.
Alarm does not sound during test	Dead or improperly installed battery, faulty unit.	Ensure the 9V battery is correctly installed and fully charged. Replace the battery. If the problem persists, the unit may be faulty and require replacement.
Red LED not flashing periodically	No power, faulty LED.	Check battery installation and charge. If the battery is new and correctly installed, the unit may be faulty.

If you experience persistent issues not covered here, please contact LSHOME customer support.

7. WARRANTY AND SUPPORT

LSHOME provides a 10-year warranty for this smoke detector. If you encounter any problems with your product, please contact LSHOME customer support. We are committed to responding to your inquiries within 24 hours. For support, please refer to the contact information provided with your product packaging or visit the official LSHOME website.

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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