

LSHOME GS528A

LSHOME GS528A Photoelectric Smoke Detector User Manual

Model: GS528A

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your LSHOME GS528A Photoelectric Smoke Detector. Please read this manual thoroughly before installation and retain it for future reference. This device is designed to detect smoke and provide an early warning of fire, contributing to the safety of your home or property.

2. IMPORTANT SAFETY INFORMATION

- This smoke detector is designed for indoor use only.
- Do not paint the smoke detector. Paint can clog the sensing chambers and prevent the alarm from functioning correctly.
- Regularly test the smoke detector as instructed in this manual to ensure proper operation.
- Never ignore a smoke alarm. Investigate the cause of any alarm immediately.
- Clean the smoke detector regularly to prevent dust accumulation from affecting performance.
- Replace batteries promptly when the low battery warning is indicated.

3. PACKAGE CONTENTS

Your LSHOME GS528A Photoelectric Smoke Detector package typically includes:

- LSHOME GS528A Smoke Detector units (quantity as purchased, e.g., 4 units for a 4-pack)
- Mounting screws and anchors
- User Manual

Note: 9V batteries are required for operation but are not included in the package. Each detector requires one 9V battery.

4. PRODUCT OVERVIEW

The LSHOME GS528A is a 9V battery-operated photoelectric smoke detector designed for reliable fire safety. It features a sensitive photoelectric sensor, a test button, and visual/audible warnings.



Image 1: Four LSHOME GS528A smoke detectors, showing their compact, circular design with a central test button.

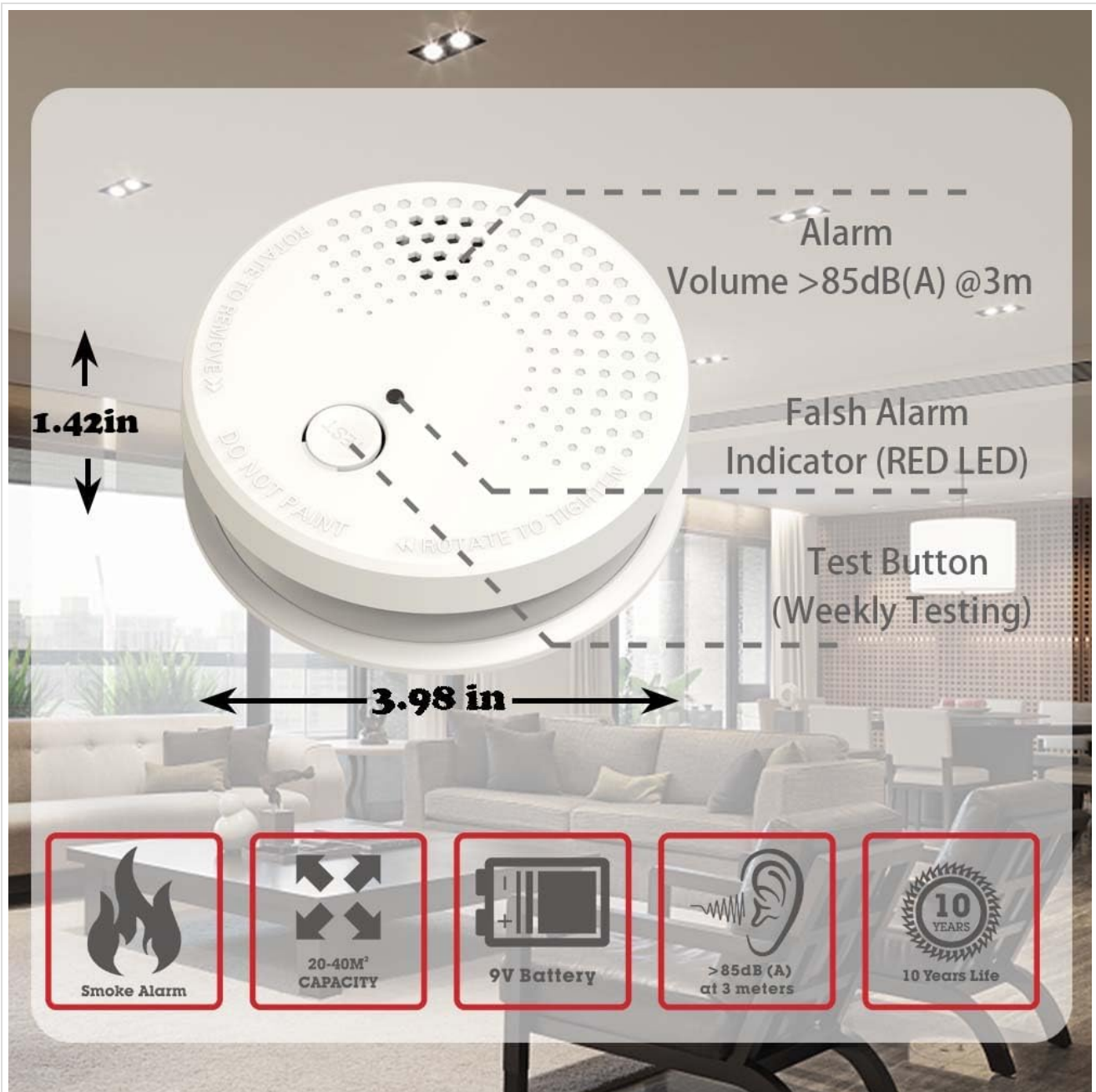


Image 2: Diagram illustrating the dimensions (1.42 inches height, 3.98 inches diameter) and key features of the smoke detector, including alarm volume ($>85\text{dB}$ at 3m), red LED indicator, and test button.

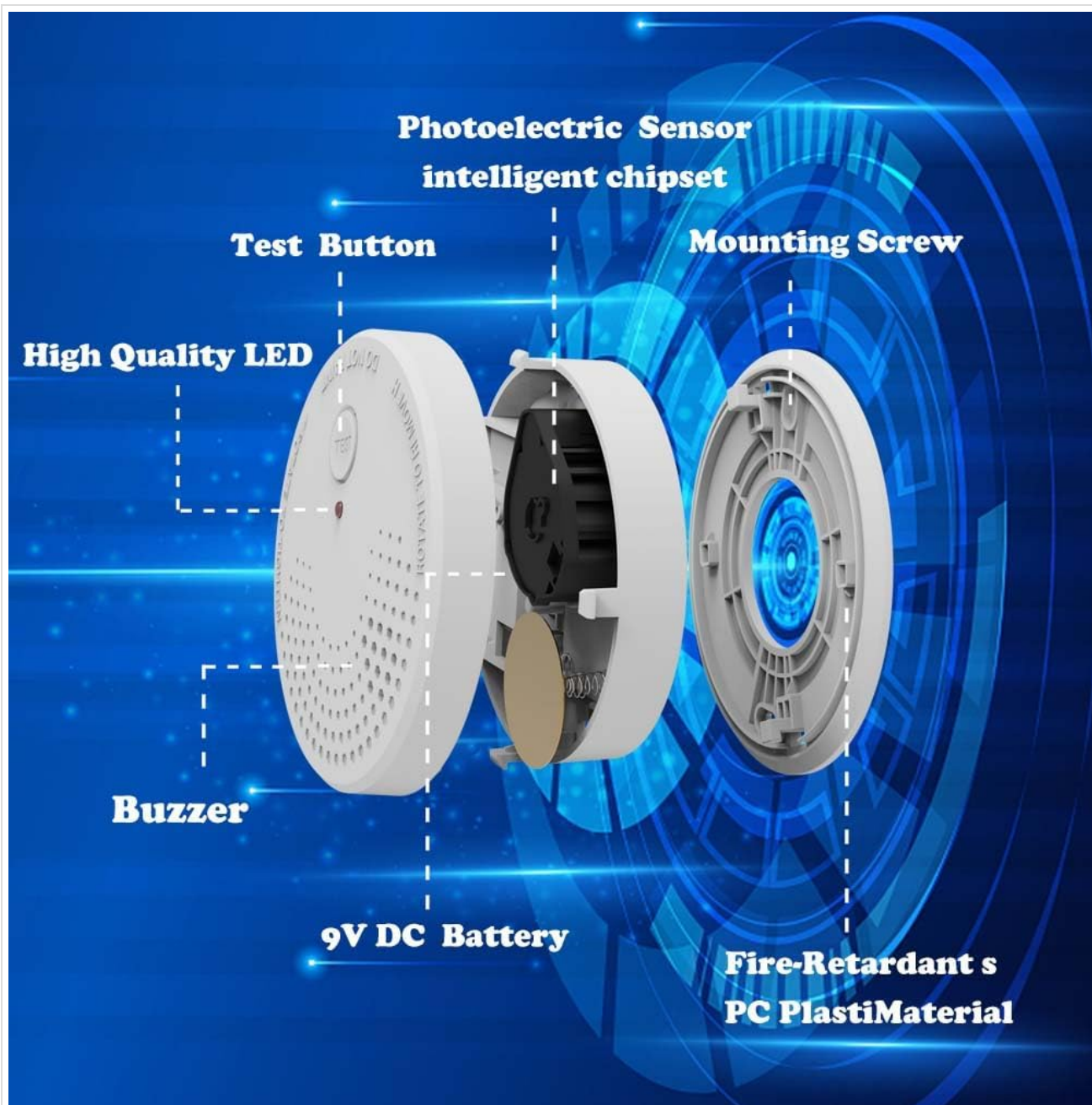


Image 3: Exploded view showing internal components: Photoelectric Sensor, Test Button, High Quality LED, Buzzer, 9V DC Battery compartment, Mounting Screw, and Fire-Retardant PC Plastic Material.

5. SETUP AND INSTALLATION

5.1 Choosing a Location

Install smoke detectors in all sleeping areas and on every level of your home, including the basement. For best protection, install a detector in every room (except the bathroom and kitchen). Avoid placing detectors near windows, doors, or areas with high airflow, as this can interfere with smoke detection. Keep detectors away from cooking appliances and humid areas.

Home Safety Product Placement Guide



Image 4: Illustration of recommended placement for smoke and fire alarms throughout a multi-story home, indicating ideal locations in bedrooms, living areas, and hallways.

5.2 Battery Installation

1. Twist the smoke detector counter-clockwise to detach it from the mounting bracket.
2. Open the battery compartment.
3. Connect a new 9V battery to the battery clip, ensuring correct polarity (+ to + and - to -).
4. Place the battery into the compartment and close the cover.

5.3 Mounting the Detector

1. Once the battery is installed, align the mounting bracket with the desired location on the ceiling or wall.
2. Mark the positions for the screw holes.
3. Drill pilot holes and insert the plastic anchors (if mounting into drywall or plaster).
4. Secure the mounting bracket using the provided screws.
5. Attach the smoke detector to the mounting bracket by aligning the grooves and twisting clockwise until it locks securely into place.

5.4 Initial Test

After installation, press and hold the 'TEST' button located on the center of the detector for approximately 5 seconds. The alarm should sound loudly (85dB) and the red LED should flash rapidly. This confirms the unit is functioning correctly. If the alarm does not sound, refer to the Troubleshooting section.

6. OPERATING INSTRUCTIONS

6.1 Normal Operation

During normal operation, the red LED indicator will flash approximately once every 32 seconds, indicating that the detector is powered and monitoring for smoke.

6.2 Alarm Condition

If the smoke detector detects smoke or combustion particles, it will emit a loud, piercing alarm sound (85dB) and the red LED will flash rapidly. This indicates a potential fire hazard. Immediately investigate the source of the alarm. If a fire is present, follow your emergency evacuation plan.

6.3 Low Battery Warning

When the 9V battery is low, the smoke detector will emit a short 'chirp' sound approximately every 32 seconds, and the red LED will flash simultaneously. This indicates that the battery needs to be replaced immediately.

6.4 Test Button Function

The 'TEST' button is used to verify the detector's electronic circuitry, alarm, and battery function. Press and hold the button for 5 seconds to perform a test. The alarm will sound if the unit is working correctly.

7. MAINTENANCE

7.1 Weekly Testing

Test your smoke detector weekly by pressing and holding the 'TEST' button for 5 seconds. Ensure the alarm sounds. If it does not, replace the battery or refer to the Troubleshooting section.

7.2 Battery Replacement

Replace the 9V battery immediately when the low battery 'chirp' warning sounds. Follow the battery installation steps in Section 5.2.

7.3 Cleaning

Clean your smoke detector at least every 6 months. Gently vacuum the exterior of the detector using a soft brush attachment to remove any dust or debris. Do not use water, cleaners, or solvents, as these can damage the unit. Cleaning helps prevent false alarms and ensures proper smoke detection.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Alarm does not sound during test.	Dead or improperly installed battery.	Replace the 9V battery, ensuring correct polarity.
Detector 'chirps' every 32 seconds.	Low battery.	Replace the 9V battery immediately.
False alarms (alarm sounds without smoke).	Dust or debris in the sensing chamber; high humidity; cooking fumes; steam.	Clean the detector as per Section 7.3. Relocate the detector if it's consistently triggered by non-fire sources like cooking or steam. Ensure proper ventilation.
Red LED not flashing during normal operation.	No power or unit malfunction.	Check battery installation. Replace battery. If problem persists, contact support.

9. SPECIFICATIONS

- **Model:** GS528A
- **Sensor Type:** Photoelectric
- **Power Source:** 9V Battery (not included)
- **Alarm Volume:** >85dB at 3 meters
- **Operating Temperature:** 40°F (4.4°C) to 100°F (37.8°C)
- **Operating Humidity:** 10% to 95% RH (non-condensing)
- **Material:** Flame-retardant ABS (V0 Level)
- **Product Dimensions:** 4"D x 4"W x 1.2"H (approximately 10.16 cm D x 10.16 cm W x 3.05 cm H)
- **Item Weight:** 4.8 ounces (approximately 0.14 kg)
- **UPC:** 739722973582

10. WARRANTY AND SUPPORT

LSHOME provides a 10-year manufacturer's warranty for this product. If you encounter any issues or have questions regarding your LSHOME GS528A Photoelectric Smoke Detector, please contact our customer support. We are committed to responding to your inquiries within 24 hours.

For warranty claims or technical assistance, please refer to the contact information provided on the product packaging or the official LSHOME website.

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