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› Ecoey Smoke Detector User Manual

Ecoey GS528A

Ecoey Smoke Detector User Manual

Model: GS528A

Brand: Ecoey

1. INTRODUCTION

The Ecoey Smoke Detector is designed to provide early warning of smoke and fire, enhancing the safety of your home. This manual provides essential information for proper installation, operation, and maintenance of your smoke detector.

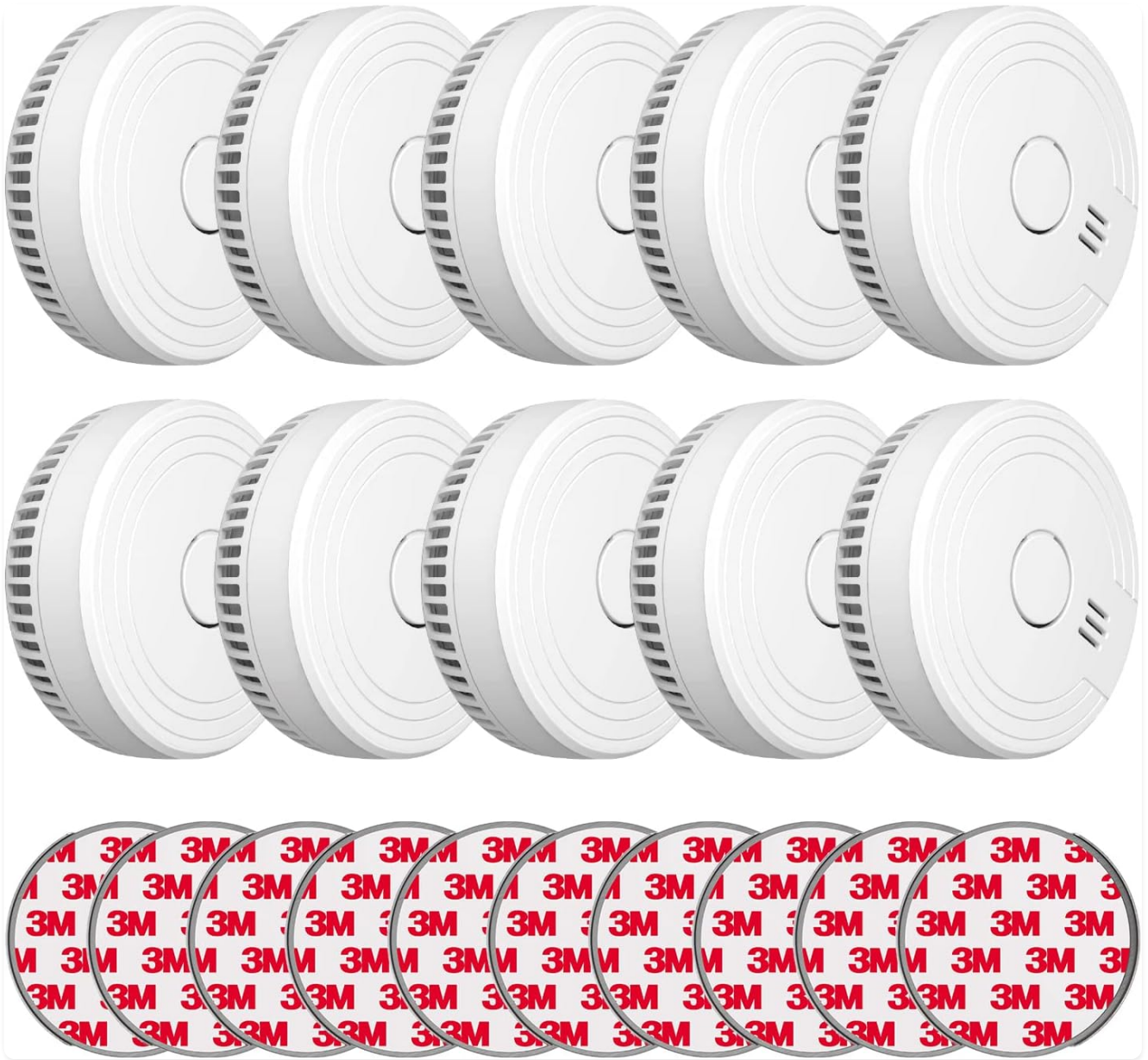


Figure 1: Ecoey Smoke Detector 10-pack with mounting accessories.

2. KEY FEATURES

- **Advanced Photoelectric Technology:** Detects smoke more accurately and is less prone to false alarms compared to ionization alarms.
- **Test Button:** Allows for easy monthly testing of the alarm's functionality.
- **Low Battery Reminder:** Provides an audible signal and LED flash when the 9V battery needs replacement.
- **Easy Installation:** Can be installed using the provided mounting bracket with screws and anchor plugs, or with magnetic adhesive pads for convenience.
- **Loud Alarm:** Emits an 85dB(A) buzzer to alert occupants effectively.
- **Compact Design:** Features a small, unobtrusive design with a diameter of 3.5 inches (89mm) and thickness of 1.3 inches (34mm).
- **Wide Detection Range:** Covers an area of 215-430 sq ft for comprehensive home protection.

Compact & Stylish Design



Figure 2: Compact design of the Ecoey Smoke Detector.

$\geq 85\text{dB(A)}$ Buzzer

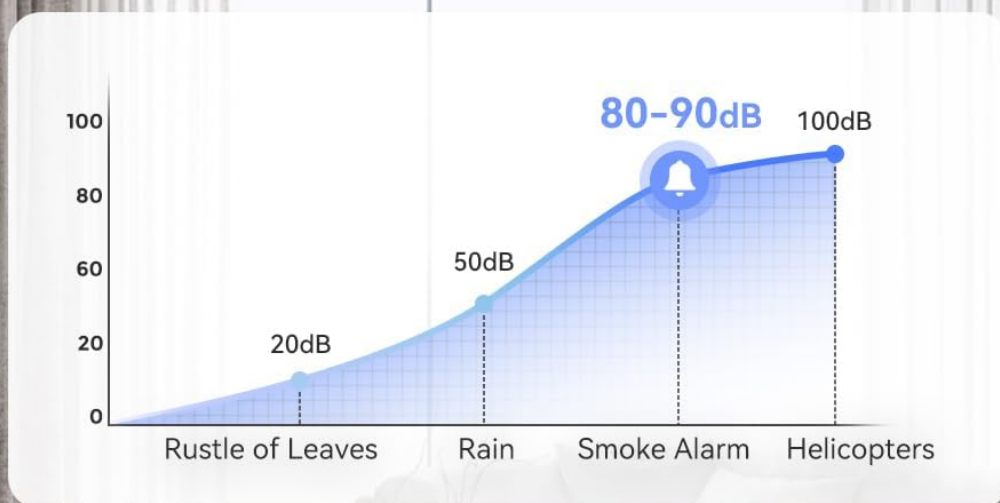


Figure 3: Illustration of the smoke detector's loud alarm and sound comparison.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Ecoey Smoke Detector Unit(s)
- 9V Battery (one per unit)

- Mounting Bracket
- Screws and Wall Plugs
- 3M Adhesive Magnetic Pads (optional installation)

4. SETUP AND INSTALLATION

Follow these steps for proper setup and installation of your Ecoey Smoke Detector:

4.1. Battery Installation

1. Remove the mounting bracket from the back of the smoke detector by twisting it counter-clockwise.
2. Locate the battery compartment.
3. Connect the 9V battery to the battery clips, ensuring correct polarity (+ to + and - to -).
4. Place the battery securely into the compartment.
5. Reattach the mounting bracket by aligning it and twisting clockwise until it locks into place.

Replaceable 9V Battery

Low-Power consumption with DC 9V battery



Replaceable



Low-power

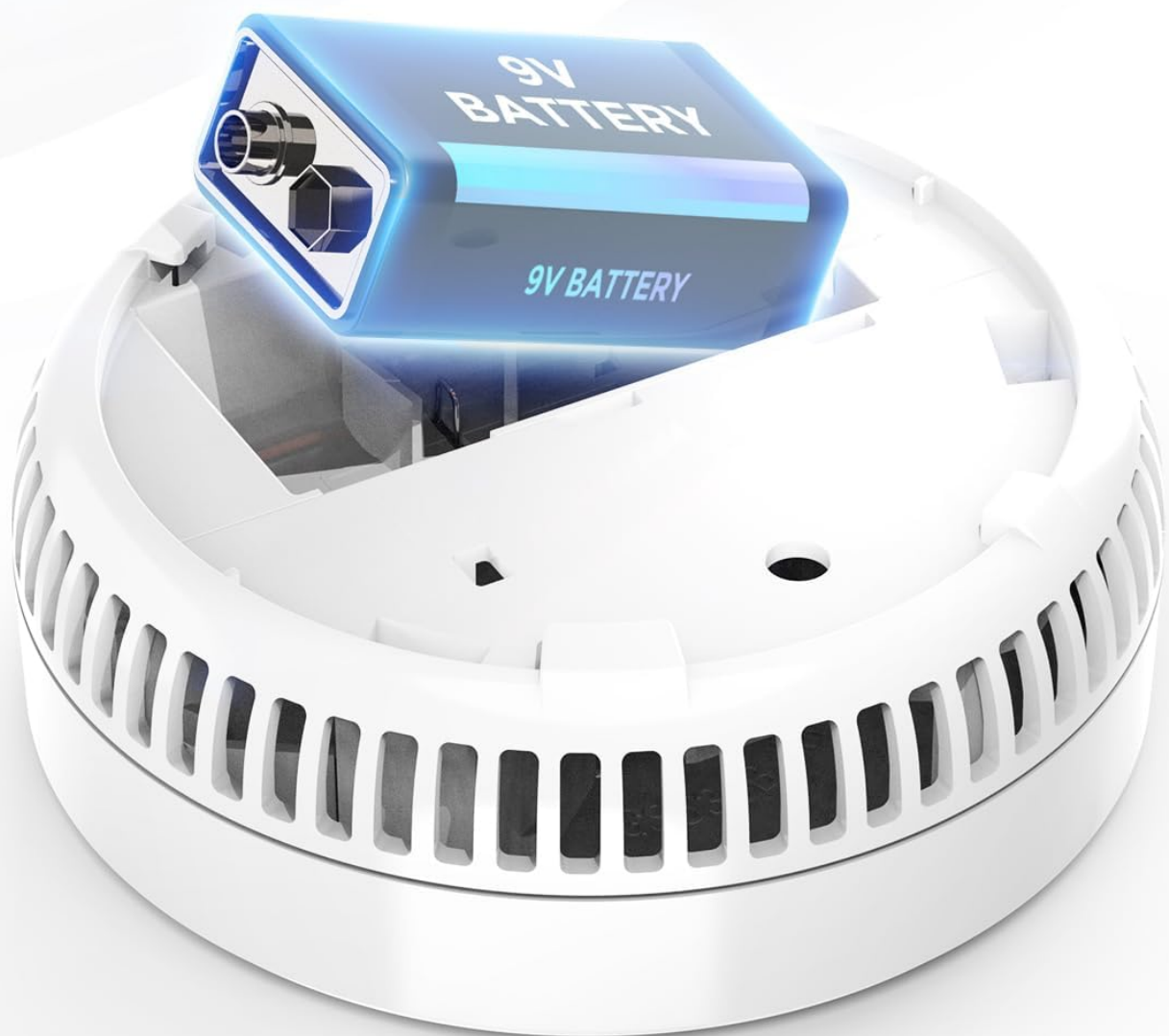


Figure 4: Battery installation process.

4.2. Choosing an Installation Location

For optimal protection, install smoke detectors in the following areas:

- Inside each bedroom.
- Outside each sleeping area, such as in a hallway.
- On every level of your home, including the basement.

- In living rooms, offices, and other common areas.

Avoid installing in:

- Kitchens or bathrooms, where steam or cooking fumes can cause false alarms.
- Near windows, doors, or vents where drafts might interfere with detection.
- Areas with extremely high or low temperatures.



Recommended Installation Areas

Figure 5: Recommended installation areas for smoke detectors.

Recommended Installation Areas



✓ Living Room



✓ Corridor



✓ Bedroom



✗ Bathroom



✗ Kitchen

Figure 6: Visual guide for optimal smoke detector placement.

4.3. Mounting the Detector

You have two options for mounting:

1. Using Screws and Wall Plugs:

- Mark the desired installation spot on the ceiling or wall.
- Drill two holes at the marked spots.
- Insert the wall plugs into the drilled holes.
- Align the mounting bracket with the holes and secure it with the provided screws.

- Attach the smoke detector to the mounted bracket by twisting clockwise until it clicks into place.

2. Using 3M Adhesive Magnetic Pads (Optional):

- Ensure the mounting surface is clean, dry, and smooth.
- Peel off the protective film from one side of the magnetic pad and firmly attach it to the back of the smoke detector.
- Peel off the protective film from the other side of the magnetic pad.
- Press the smoke detector firmly onto the desired installation spot on the ceiling or wall for at least 30 seconds.

Easy to Install

Use the provided
magnetic pads



Install with the provided
screws and anchor plugs



Figure 7: Easy installation options: magnetic pads or screws.

Your browser does not support the video tag.

Video 1: Product Display and Installation Guide for Ecoey Smoke Detector FJ136. This video demonstrates unboxing, battery insertion, testing the alarm, and attaching the magnetic adhesive pad for installation.

5. OPERATING INSTRUCTIONS

5.1. Normal Operation

Once installed with a fresh battery, the smoke detector is continuously monitoring for smoke. A small red LED indicator light will flash periodically (e.g., every 30-40 seconds) to confirm it is operating correctly.

5.2. Testing the Alarm

It is crucial to test your smoke detector monthly to ensure it is functioning properly. To test:

1. Press and hold the large test button located on the center of the detector.
2. The red LED will flash rapidly, and the alarm will sound a loud, pulsating siren.
3. Release the button. The alarm should stop.

If the alarm does not sound during testing, refer to the Troubleshooting section.

5.3. Alarm Indication

When smoke is detected, the alarm will sound a loud, continuous siren, and the red LED will flash rapidly. Take immediate action according to your fire escape plan.

5.4. Low Battery Warning

When the 9V battery voltage is low, the detector will emit an intermittent "chirp" sound (e.g., once every 30-40 seconds) and the red LED will flash. This indicates that the battery needs to be replaced immediately.

6. MAINTENANCE

6.1. Monthly Testing

Test your smoke detector at least once a month using the test button to confirm proper operation.

6.2. Battery Replacement

Replace the 9V battery annually, or immediately when the low battery warning sounds. Refer to Section 4.1 for battery installation steps.

6.3. Cleaning Your Smoke Detector

Dust and debris can accumulate on the smoke detector and affect its performance. Clean your detector at least once a year:

- Gently vacuum the exterior of the detector using a soft brush attachment.
- Do not paint the detector, as this can block the smoke entry points and interfere with proper operation.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Alarm does not sound during test.	Dead or improperly installed battery.	Replace battery or ensure it is correctly installed.
Alarm chirps intermittently.	Low battery.	Replace the 9V battery immediately.

Problem	Possible Cause	Solution
False alarms (alarm sounds without smoke).	Dust or debris in the sensor chamber; high humidity or steam; cooking fumes.	Clean the detector (see Maintenance); relocate detector away from kitchens/bathrooms or areas with high humidity.
Alarm does not sound when smoke is present.	Detector is faulty; improper placement; battery is dead.	Test the alarm (see Operating Instructions); ensure proper placement (see Setup); replace battery. If issues persist, replace the unit.

8. SPECIFICATIONS

- **Model:** GS528A
- **Sensor Type:** Photoelectric
- **Power Source:** 9V Battery (included)
- **Alarm Sound Level:** ≥85dB(A) at 3 meters
- **Dimensions:** Approximately 3.5 inches (89mm) diameter, 1.3 inches (34mm) thickness
- **Detection Area:** 215-430 sq ft
- **UPC:** 788484240999

9. WARRANTY AND SUPPORT

Ecoey products are designed for reliability and performance. For warranty information, technical support, or any inquiries regarding your smoke detector, please contact Ecoey customer support through the retailer's platform or the official Ecoey website.

For more information, visit the [Ecoey Store on Amazon](#).

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