

Ecoey GS528A

Ecoey Photoelectric Smoke Alarm Fire Detector User Manual

Models: FJ136GB, GS528A

1. IMPORTANT SAFETY INFORMATION

Please read this manual thoroughly before installation and operation. Keep this manual for future reference.

- This smoke alarm is designed for residential use.
- Test the smoke alarm monthly to ensure proper operation.
- Do not paint the smoke alarm. Paint can clog the sensing chambers and prevent the alarm from functioning correctly.
- Keep the smoke alarm at least 3 feet (0.9 meters) away from kitchens, bathrooms, and other high airflow areas to prevent false alarms.
- Never ignore any alarm. Responding to an alarm quickly can save lives.
- If the alarm sounds, follow your family's escape plan immediately.

2. PRODUCT OVERVIEW

The Ecoey Photoelectric Smoke Alarm is a battery-operated device designed to detect smoke and alert occupants to potential fire hazards. It utilizes photoelectric technology, which is highly effective at detecting slow-smoldering fires and light smoke particles.

Key Features:

- **Photoelectric Technology:** Sensitive to light smoke and slow-smoldering fires.
- **Loud 85dB Alarm:** Provides a clear audible warning.
- **LED Indicator:** Visual indication for normal operation, alarm, and low battery.
- **Test/Silence Button:** Allows for easy testing and temporary silencing of nuisance alarms.
- **Low Battery Signal:** Alerts when battery replacement is needed.
- **Compact Design:** Small and unobtrusive for various installations.

- **Battery Operated:** Uses a 9V battery (included) for easy installation without hardwiring.



This image displays three Ecoey photoelectric smoke alarms, each with a test button and LED indicator, alongside three circular 3M adhesive mounting pads for easy installation.

3. PACKAGE CONTENTS

- Ecoey Photoelectric Smoke Alarm(s)
- 9V Battery(s)
- Mounting Bracket(s)
- Screws and Wall Plugs (or Adhesive Pads)
- User Manual

4. INSTALLATION (SETUP)

Proper placement and installation are crucial for the effective operation of your smoke alarm.

4.1 Recommended Placement:

- Install at least one smoke alarm on every level of your home, including basements.
- For optimal protection, install a smoke alarm inside every bedroom and outside each sleeping area.
- Mount on the ceiling or high on a wall (at least 4 inches from the ceiling).
- Avoid placing alarms in kitchens, bathrooms, garages, or near heating appliances, as steam, cooking fumes, or exhaust can cause false alarms. Maintain a distance of at least 3 feet (0.9 meters) from these areas.

4.2 Installation Steps:

1. **Prepare the Mounting Location:** Choose a suitable location according to the guidelines above.
2. **Install Battery:** Open the battery compartment and insert the included 9V battery, matching the polarity (+/-). The alarm may chirp briefly upon battery insertion.
3. **Safety Clip Feature:** The alarm is designed with a safety clip feature that prevents it from being mounted to the bracket without the battery properly installed. Ensure the battery is in place before attempting to mount.
4. **Mounting Options:**
 - **Using Screws and Wall Plugs:** Use the mounting bracket as a template to mark drill holes on the ceiling or wall. Drill the holes, insert wall plugs, and then secure the bracket with screws.
 - **Using Adhesive Pads (if included):** Ensure the mounting surface is clean and dry. Peel the protective backing from the adhesive pad and firmly press it onto the back of the alarm or the mounting surface. Then, attach the alarm to the surface.
5. **Attach Alarm to Bracket:** Align the alarm with the mounting bracket and twist clockwise until it locks securely into place.
6. **Test the Alarm:** Press and hold the Test/Silence button for a few seconds until the alarm sounds. This confirms the unit is functioning correctly.



An illustration demonstrating the magnetic mounting system for the Ecoey smoke alarm, showing the alarm attaching to a ceiling plate with magnets.

SAFETY CLIP FEATURE

Not allow mounting of smoke alarm without battery installed



Safety Clip Feature

An Ecoey smoke alarm with its back cover open, revealing the battery compartment and a 9V battery. The image highlights the safety clip feature that prevents the alarm from being mounted without a battery installed.

5. OPERATION

5.1 Normal Operation:

During normal operation, the red LED indicator will flash approximately once every 30-40 seconds to confirm the alarm is

powered and functioning correctly.

5.2 Testing the Alarm:

It is recommended to test your smoke alarm at least once a month.

1. Press and hold the Test/Silence button located on the front of the alarm.
2. The alarm will sound a loud, pulsating siren, and the red LED will flash rapidly.
3. Release the button. The alarm should stop sounding.

Note: The sound is loud to ensure it can be heard in an emergency. Stand at arm's length when testing.



An image showing a hand pressing the test button on an Ecoey smoke alarm mounted on a ceiling, indicating the test mode function.

5.3 Alarm Condition:

When smoke is detected, the alarm will emit a loud 85dB siren, and the red LED will flash rapidly. This indicates a potential fire hazard. Follow your emergency escape plan immediately.

INSTALL WITH MAGNET

Smoke alarms can be mounted quickly and cleanly with this magnetic assembly system.



An Ecoey smoke alarm mounted on a ceiling, with wisps of smoke rising towards it, demonstrating its photoelectric detection capability.

5.4 Silencing Nuisance Alarms:

If a non-emergency situation (e.g., cooking fumes) triggers the alarm, you can temporarily silence it by pressing the Test/Silence button. The alarm will silence for approximately 10 minutes before resetting. If smoke is still present after the silence period, the alarm will reactivate.

6. MAINTENANCE

Regular maintenance ensures your smoke alarm remains in optimal working condition.

6.1 Monthly Testing:

Test the alarm monthly as described in Section 5.2.

6.2 Battery Replacement:

When the battery voltage is low, the alarm will emit a short "chirp" sound and the red LED will flash approximately every 30 seconds. This indicates that the battery needs to be replaced within 7 days.

1. Twist the alarm counter-clockwise to remove it from the mounting bracket.
2. Open the battery compartment.
3. Remove the old 9V battery and dispose of it properly.
4. Insert a new 9V battery, ensuring correct polarity.
5. Close the battery compartment.
6. Reattach the alarm to the mounting bracket by twisting clockwise until secure.
7. Test the alarm immediately after battery replacement.

Clean Your Alarm **Per 180 days**



An image illustrating the low battery warning of the Ecoey smoke alarm, indicated by an intermittent "chirp" and a flashing red LED.

6.3 Cleaning the Alarm:

Dust and debris can affect the alarm's sensitivity. Clean your smoke alarm every 180 days (approximately every 6 months).

1. Remove the alarm from its mounting bracket.
2. Gently wipe the exterior surface with a clean, dry cloth.
3. Use a vacuum cleaner with a soft brush attachment or a hair dryer (on cold air setting) to clean around the smoke inlet openings to remove any dust or cobwebs. Do not use water or cleaning solvents.
4. Reattach the alarm to the mounting bracket.
5. Test the alarm after cleaning.



A visual guide showing three methods for cleaning the smoke alarm every 180 days: wiping with a dry towel, vacuuming the smoke inlet, or using a hair dryer (cold air) to clean the smoke inlet.

7. TROUBLESHOOTING

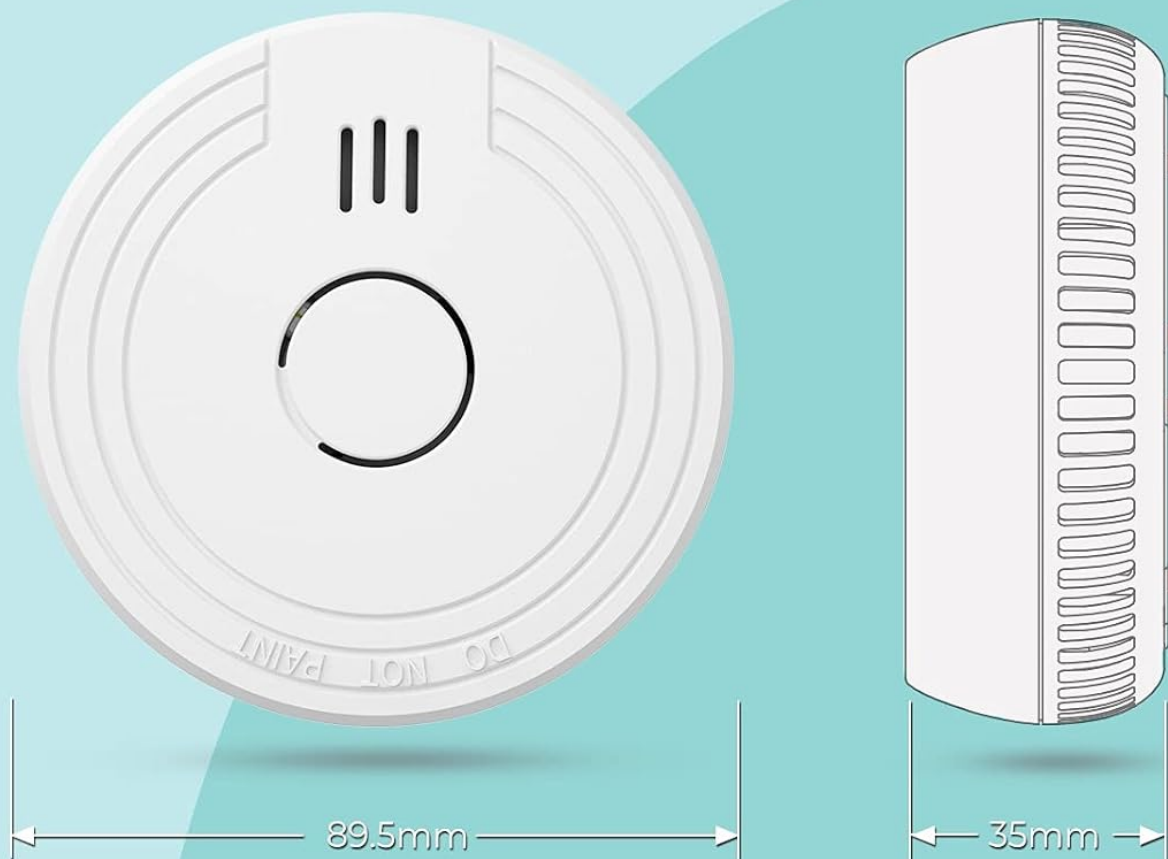
Problem	Possible Cause	Solution
Alarm chirps every 30 seconds, red LED flashes.	Low battery.	Replace the 9V battery immediately (within 7 days). Refer to Section 6.2.
Alarm sounds continuously without visible smoke.	Nuisance alarm (steam, cooking fumes, dust). Faulty unit.	Press the Test/Silence button to temporarily silence. Ventilate the area. If the alarm persists after ventilation, clean the alarm (Section 6.3). If the issue continues, the unit may be faulty and require replacement.
Alarm does not sound during test.	No battery or incorrect battery installation. Dead battery. Faulty unit.	Ensure battery is installed correctly. Replace battery if dead. If still no response, the unit may be faulty and require replacement.
Red LED does not flash during normal operation.	No battery or incorrect battery installation. Dead battery. Faulty unit.	Ensure battery is installed correctly. Replace battery if dead. If still no response, the unit may be faulty and require replacement.

8. SPECIFICATIONS

- **Model:** GS528A (also known as FJ136GB)
- **Sensor Type:** Photoelectric
- **Power Source:** 1 x 9V Battery (included)
- **Alarm Loudness:** 85dB at 3 meters (10 feet)
- **Operating Temperature:** 40°F (4.4°C) to 100°F (37.8°C)
- **Operating Humidity:** 10% to 95% RH (non-condensing)

- **Dimensions:** Diameter 89.5mm (3.52 in), Height 35mm (1.38 in)
- **Battery Cell Type:** Zinc Carbon
- **UPC:** 788484240975
- **Manufacturer:** SITERWELL ELECTRONICS CO.,LIMITED

COMPACT DESIGN



**BATTERY
OPERATED**



**ALARM
85dB**



**20-40m²
216-431sq.ft**

A diagram showing the compact design of the Ecoey smoke alarm, with its dimensions clearly marked: 89.5mm (3.52 inches) in diameter and 35mm (1.38 inches) in height.

9. CONTACT AND SUPPORT

For technical assistance, warranty information, or any questions regarding your Ecoey smoke alarm, please contact the manufacturer or seller directly.

Manufacturer: SITERWELL ELECTRONICS CO.,LIMITED

Please refer to your purchase documentation for specific contact details or visit the official Ecoey 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