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› Ecoey Smoke & Carbon Monoxide Detector Alarm User Manual

Ecoey GS508C

Ecoey Smoke & Carbon Monoxide Detector Alarm

Model: GS508C | Brand: Ecoey

INTRODUCTION

This user manual provides essential information for the proper installation, operation, and maintenance of your Ecoey Smoke & Carbon Monoxide Detector Alarm. This device is designed to provide early warning of both smoke and carbon monoxide presence, enhancing the safety of your home. Please read this manual thoroughly before installation and keep it for future reference.



Image: Two Ecoey Smoke and Carbon Monoxide Detectors, showcasing their compact, white design with a central test/silence button.

KEY FEATURES

- **10-Year Battery Life:** Equipped with a built-in 3V lithium battery designed to last for 10 years, eliminating the need for frequent battery replacements and reducing environmental waste.
- **2-in-1 Dual Sensor Function:** Features both a photoelectric smoke sensor for detecting fast and slow-burning fires and an electrochemical CO sensor for carbon monoxide, operating independently for comprehensive protection.
- **Test & Silence Function:** Easily test the alarm's functionality or silence false alarms by pressing the central button. The silence function lasts for 10 minutes.
- **High-Tech Intelligent Chipset:** An integrated intelligent chipset ensures reliable detection. LED indicators change from green (normal) to red (emergency) for clear status indication.
- **Easy Installation:** Designed for quick and simple installation on ceilings or walls, with included screws and bracket. No hardwiring required.

2-in-1 CO & SMOKE

Less False Positives

High Precision



Image: A close-up of the Ecoey detector highlighting its 2-in-1 CO and Smoke detection capability, emphasizing less false positives and high precision.

SETUP AND INSTALLATION

1. **Unpack the Device:** Carefully remove the smoke and CO detector from its packaging.
2. **Test Before Installation:** Before mounting, press the "TEST/SILENCE" button to ensure the alarm sounds. This confirms the unit is functioning correctly. The alarm is very loud.

3. **Select Location:** Choose a suitable location on a ceiling or wall. Refer to the "Home Safety Product Placement Guide" section for optimal placement.
4. **Mount the Bracket:** Use the provided screws and bracket to securely mount the base to the chosen surface.
5. **Attach the Detector:** Align the detector with the mounted bracket and twist clockwise to secure it. You will hear a chirp indicating it's properly attached and powered on.



Image: Diagram illustrating the simple twist-on installation method for the Ecoey detector onto its mounting bracket.

OPERATING INSTRUCTIONS

LED Indicators:

- **Green LED (Power Indicator):** Blinks periodically to indicate normal operation and sufficient battery power.
- **Yellow LED (Fault Indicator):** Illuminates to indicate a fault or low battery warning, signaling that the unit may need attention or replacement.
- **Red LED (Alarm Indicator):** Flashes rapidly during a smoke or carbon monoxide alarm event.



Image: Visual representation of the Ecoey detector's indicator lights: Green for Power, Yellow for Fault, and Red for Alarm, with smoke and CO symbols.

Test/Silence Button:

Press the large central "TEST/SILENCE" button to:

- **Test Functionality:** A short press will activate the alarm sound to confirm it's working. The alarm tone is over 85 dB at 3 meters.
- **Silence Alarm:** If a non-emergency alarm occurs (e.g., from cooking smoke), press and hold the button to temporarily silence the alarm for 10 minutes. The alarm will automatically reset after this period if the condition clears.

CO Alarm Sensitivity:

The CO sensor is calibrated to specific carbon monoxide concentration levels and exposure times:

- **30 PPM:** No alarm before 120 minutes.
- **50 PPM:** Alarms between 60 and 90 minutes.
- **100 PPM:** Alarms between 10 and 40 minutes.
- **300 PPM:** Alarm in less than 3 minutes.

CO Alarm Sensitivity Setting



- 30PPM** without alarm before 120 minutes
- 50PPM** alarms between 60 and 90 minutes
- 100PPM** alarms between 10 and 40 minutes
- 300PPM** alarm in less than 3 minutes

Image: A visual guide to the CO alarm sensitivity settings, showing the PPM levels and corresponding alarm activation times.

MAINTENANCE

- **Battery Life:** The built-in lithium battery provides approximately 10 years of continuous operation. The device will indicate a low battery warning when replacement is needed.
- **Cleaning:** Regularly clean the detector to prevent dust and debris buildup, which can affect performance. Use a soft, damp cloth to wipe the exterior. Do not paint the unit.
- **Testing:** Test the alarm weekly by pressing the "TEST/SILENCE" button to ensure proper functionality.



10 Yrs Battery Life

LED Sensitive Prompt



Image: An illustration emphasizing the 10-year battery life of the Ecoey detector, with hands protecting a small house model, symbolizing home safety.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Alarm sounds frequently without apparent reason.	Dust buildup, cooking fumes, high humidity, or proximity to steam/smoke sources.	Clean the detector. Relocate the detector away from cooking areas or bathrooms. Use the silence function if it's a false alarm.
Yellow LED flashes or chirps periodically.	Low battery warning or a fault in the unit.	The battery is non-replaceable. If the unit is chirping due to low battery after 10 years, replace the entire unit. If it's a fault, contact customer support.
Alarm does not sound during test.	Unit not properly activated or faulty.	Ensure the unit is correctly twisted onto its base. If still no response, the unit may be faulty and needs replacement.

SPECIFICATIONS

Attribute	Detail
Brand	Ecoey
Model Number	GS508C (FJ183-A)
Power Source	Battery Powered (Built-in 3V Lithium Battery)
Sensor Type	Photoelectric (Smoke), Electrochemical (CO)
Alarm Volume	>85 dB at 3 meters
Product Dimensions	1.55"D x 5.28"W x 5.28"H (approx. 39.4mm D x 134mm W)
Item Weight	15.5 ounces
Color	White
Service Life	10 Years

PRODUCT SIZE



**BATTERY
OPERATED**



**ALARM
85dB**



**20-40m²
216-431sq.ft**

Image: Diagram showing the product dimensions (diameter and thickness) of the Ecoey detector, along with icons for battery operation, 85dB alarm, and recommended coverage area.

HOME SAFETY PRODUCT PLACEMENT GUIDE

Proper placement of smoke and carbon monoxide detectors is crucial for effective home safety. Follow these general guidelines:

- Install smoke alarms on every level of your home, including the basement.

- Place smoke alarms inside every bedroom and outside each sleeping area.
- Install carbon monoxide alarms on every level of your home, especially near sleeping areas and living spaces.
- Avoid placing detectors near windows, doors, or vents where drafts could interfere with their operation.
- Keep detectors away from cooking appliances, fireplaces, and fuel-burning appliances to prevent false alarms.

Home Safety Product Placement Guide



**Smoke &
Fire Alarm**

CO

**Carbon
Monoxide
Alarm**



**Fire
Extinguisher**

Image: An illustrative diagram showing recommended placement of smoke and CO alarms within a multi-story home, including bedrooms, living areas, and garage.

WARRANTY AND SUPPORT

Ecoey products are designed for reliability and performance. For specific warranty details and customer support, please refer to the warranty card included with your product or visit the official Ecoey website. You can also contact Ecoey-direct, the seller, for assistance.

For further information or technical assistance, please visit the [Ecoey Store on Amazon](#).

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