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## Ecoey FJ127

# Ecoey Carbon Monoxide Detector FJ127 User Manual

Model: FJ127 (GS811-A)

## 1. INTRODUCTION

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This manual provides essential information for the proper installation, operation, and maintenance of your Ecoey Carbon Monoxide (CO) Detector, model FJ127. Please read this manual thoroughly before using the device and retain it for future reference. This detector is designed to provide early warning of carbon monoxide presence, helping to protect you and your family from the dangers of CO poisoning.



Image 1: Ecoey Carbon Monoxide Detector FJ127. This image shows the compact, white rectangular device with a 'TEST SILENCE' button and LED indicators.

## 2. IMPORTANT SAFETY INFORMATION

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**WARNING: Carbon Monoxide is a colorless, odorless, and tasteless gas that can be fatal. This detector is designed to detect carbon monoxide gas from any source of combustion. It is not designed to detect smoke or fire.**

- Never ignore any alarm. Investigate the cause and take appropriate action.
- Test the detector weekly to ensure proper operation.
- Do not paint the detector. Paint can clog the openings and interfere with the sensor's ability to detect CO.
- Keep the detector away from direct sunlight, high humidity, and extreme temperatures.

## 3. PRODUCT FEATURES

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The Ecoey Carbon Monoxide Detector FJ127 incorporates several features for reliable CO detection and user

convenience:

- **Accurate Detection:** Utilizes advanced electrochemical sensors and precise software controls for instant and accurate CO detection.
- **10-Year Sensor Life:** Provides long-term protection with a 10-year sensor lifespan.
- **Replaceable Battery:** Powered by 2 replaceable 1.5V AA batteries, ensuring 24/7 protection even during power outages.
- **Humanized Alarm Sound:** Initiates a lower alarm volume (<85 dB) for approximately 10 seconds before escalating to a normal alarm volume (>85 dB) to prevent sudden startling.
- **LED Indicator:** Visual cues for operational status: Green (normal), Red (alarm), Yellow (fault).
- **Test & Silence Button:** Allows for easy testing of the alarm function and muting of false alarms.

# 10-Year CO Detector Life



*Image 2: An exploded view of the Ecoey Carbon Monoxide Detector, highlighting its internal components and the '10-Year CO Detector Life' feature.*

## 4. PACKAGE CONTENTS

Upon opening the package, verify that all components are present:

- Ecoey Carbon Monoxide Detector (FJ127)
- Installation accessories (screws, wall plugs)

- User Manual
- 2 x 1.5V AA Batteries (may be pre-installed with a pull tab)

# Home Safety Product Placement Guide



Image 3: The Ecoey Carbon Monoxide Detector, its packaging, user manual, and installation accessories laid out.

## 5. SETUP AND INSTALLATION

### 5.1 Battery Installation

1. Open the battery compartment cover on the back of the detector.

2. Insert the two 1.5V AA batteries, ensuring correct polarity (+ and -). If batteries are pre-installed, remove the protective pull tab.
3. Close the battery compartment cover securely. The detector will perform a self-test upon power-up.

## Install As Your Preference



Image 4: A close-up view of the Ecoey Carbon Monoxide Detector with its battery compartment open, showing the insertion of AA batteries.

### 5.2 Mounting the Detector

The detector can be placed on a flat surface or wall-mounted.

1. **Wall-Mounted:** Choose a suitable location (refer to Section 10). Use the provided screws and wall plugs to

secure the mounting bracket to the wall. Then, slide the detector onto the bracket until it clicks into place.

2. **Desk Placement:** Ensure the detector is placed on a stable, flat surface where it will not be easily knocked over.

# Never Scare You

## First 8 Alarm with Lighter Sound and then Reach 85dB



Image 5: Two Ecoey Carbon Monoxide Detectors, one mounted on a wall and another placed on a table, demonstrating flexible installation options.

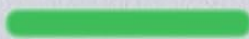
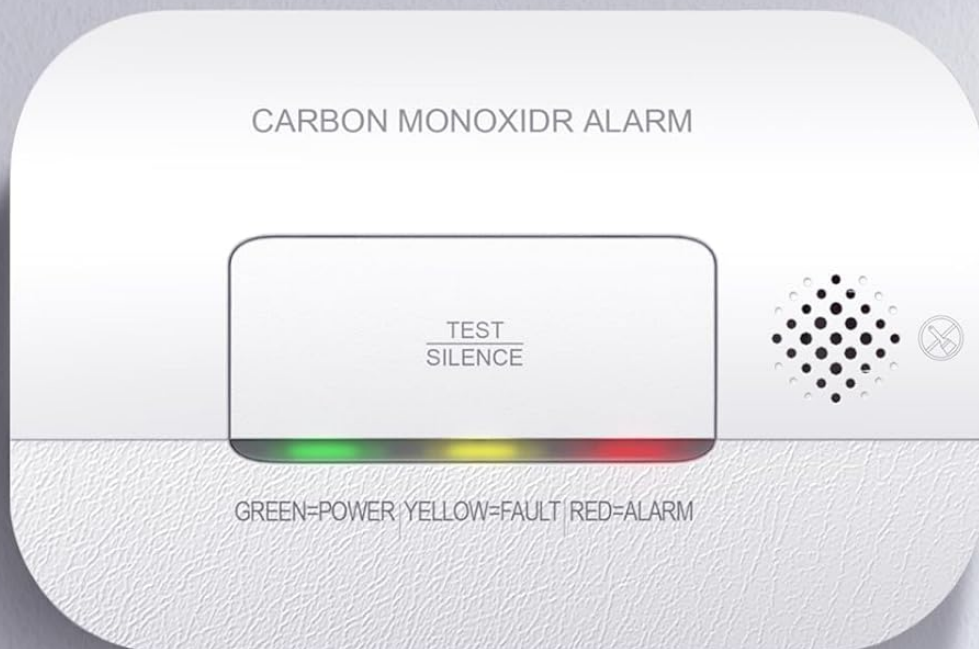
## 6. OPERATING INSTRUCTIONS

### 6.1 LED Indicator Meanings

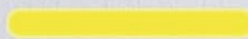
The LED indicator provides visual status updates:

- **Green LED:** Indicates normal operation. The detector is powered on and functioning correctly.
- **Yellow LED:** Indicates a fault or low battery. Refer to the troubleshooting section.
- **Red LED:** Indicates a CO alarm state. Carbon monoxide has been detected.

# Understand Your CO Alarm



Power



Fault



Alarm

*Image 6: A close-up of the Ecoey Carbon Monoxide Detector showing the green, yellow, and red LED indicators with their corresponding labels: Power, Fault, and Alarm.*

## 6.2 Test / Silence Button

Press the 'TEST SILENCE' button to:

- **Test the Alarm:** Press and hold the button briefly to activate the alarm sound and check the LED indicators. This confirms the detector is working.
- **Silence the Alarm:** During a CO alarm, pressing this button will temporarily silence the audible alarm for a short period, allowing you to investigate the source. The LED will continue to flash red.

### 6.3 Humanized Alarm Sound

To prevent sudden startling, the alarm will initially sound at a lower volume (<85 dB) for approximately 10 seconds before reaching its full volume (>85 dB) during a CO detection event.

# Replace Batteries Instead of A New Alarm



Battery Powered  
and Equipped



3-Year  
Replaceable Battery



Low Battery Signal



Image 7: A person standing near the Ecoey Carbon Monoxide Detector, illustrating the 'Never Scare You' feature with a lighter initial alarm sound.

## 7. MAINTENANCE

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### 7.1 Weekly Testing

It is crucial to test your CO detector weekly. Press the 'TEST SILENCE' button until the alarm sounds. If the alarm does not sound, refer to the troubleshooting section.

### 7.2 Battery Replacement

When the yellow LED flashes and/or the detector emits a chirp, it indicates a low battery. Replace both 1.5V AA batteries promptly. Refer to Section 5.1 for battery installation instructions.

### 7.3 Cleaning

Clean the detector regularly to prevent dust and debris from accumulating in the sensor openings. Use a soft, damp cloth to wipe the exterior. Do not use cleaning agents or solvents.

## 8. TROUBLESHOOTING

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Indicator	Problem	Solution
Red LED flashing, alarm sounding	Carbon Monoxide detected	Immediately move to fresh air. Call emergency services if symptoms of CO poisoning are present. Ventilate the area. Do not re-enter until the CO source is identified and resolved.
Yellow LED flashing, chirping sound	Low battery	Replace both 1.5V AA batteries immediately.
Yellow LED flashing, no chirping	Faulty sensor or internal error	Press the Test/Silence button. If the fault persists, replace the detector.
No LED activity, no response to test button	No power or complete failure	Check battery installation. Replace batteries. If still unresponsive, replace the detector.

## 9. SPECIFICATIONS

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Specification	Detail
Brand	Ecoey
Model Number	GS811-A (FJ127)
Sensor Type	Electrochemical
Power Source	2 x 1.5V AA Batteries
Alarm Volume	>85 dB (at 3 meters)
Operating Humidity	10-95% RH
Operating Temperature	0°C to 50°C (32°F to 122°F)
Product Dimensions	1.46"D x 4.73"W x 3.18"H
Item Weight	12.3 ounces
Installation Method	Wall-Mounted



Image 8: The Ecoey Carbon Monoxide Detector next to a metallic cube, illustrating its compact design and providing dimensions (4.7in W x 3.2in H x 1.5in D).

## 10. RECOMMENDED PLACEMENT

Proper placement of your CO detector is crucial for effective protection. Follow these guidelines:

- Install at least one CO detector on each level of your home, including the basement.
- Place a detector near or in each sleeping area.

- Consider placing a detector near attached garages or rooms with fuel-burning appliances.
- Mount the detector on a wall, at least 5 feet (1.5 meters) from the floor, or on a ceiling.
- Avoid placing detectors in dead air spaces, such as at the peak of a vaulted ceiling or in corners.
- Keep detectors away from direct sunlight, vents, fans, doors, windows, and areas with high humidity (e.g., bathrooms).



*Image 9: A cross-section diagram of a multi-story house indicating optimal locations for Carbon Monoxide Alarms (CO) on each floor and near bedrooms.*

# Compact Design



Image 10: A visual guide showing recommended placement for various home safety products, including CO alarms, in different rooms like bedrooms, kitchens, and garages.