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› Ecoey Wireless Interconnected Combination Smoke and Carbon Monoxide Detector User Manual

## Ecoey A8612B-4R

# Ecoey Wireless Interconnected Combination Smoke and Carbon Monoxide Detector

Model: A8612B-4R

User Manual

## 1. INTRODUCTION

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

## 2. SAFETY INFORMATION

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### Important Safety Instructions:

- This device is intended for residential use only.
- Do not paint the detector. Paint can clog the sensing chambers and prevent the alarm from operating properly.
- Do not install in areas with high humidity, extreme temperatures, or excessive dust.
- Regularly test the alarm as instructed in this manual.
- Never ignore any alarm. Investigate the cause immediately.
- This alarm is not a substitute for proper ventilation and maintenance of fuel-burning appliances.

## 3. PACKAGE CONTENTS

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Verify that all items are present in your package:

- Ecoey Combination Smoke and Carbon Monoxide Detector(s)
- Mounting Plate(s)
- Screws and Wall Plugs
- User Manual



Image: Package contents of the Ecoey A8612B-4R detector.

## 4. PRODUCT FEATURES

- **10-Year Battery Life:** Equipped with a sealed 10-year lithium battery, eliminating the need for frequent battery replacement.
- **Dual Sensor Technology:** Features an electrochemical sensor for Carbon Monoxide (CO) and a photoelectric sensor for smoke, detecting both fast-burning and smoldering fires.

- **Wireless Interconnection:** Up to 18 alarms can be wirelessly interconnected, ensuring that when one alarm sounds, all connected alarms will sound, providing whole-home coverage.
- **Bilingual Voice Alerts:** Provides clear voice alerts in both English and French for smoke and CO detection.
- **Flame Retardant Material:** Constructed with high-temperature resistant, flame-retardant ABS material for enhanced safety.
- **Reduced False Alarms:** Unique micro-porous design and internal labyrinth dust-proof mesh help prevent false alarms from insects and dust.

## Trust in Your Dual Sensors Detection Partner

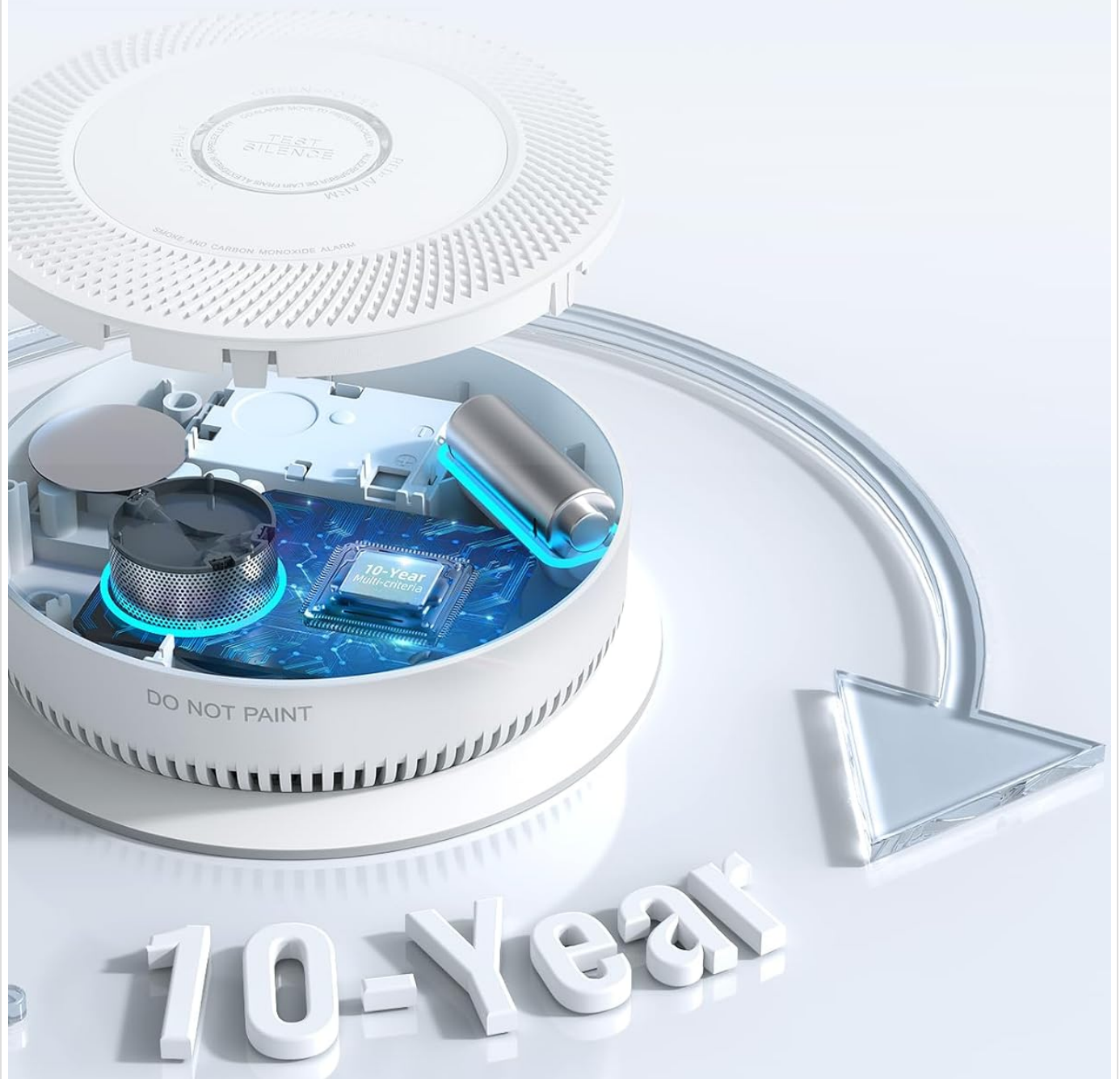


Image: Internal components highlighting the 10-year battery and dual sensors.

# Catch Both at Once

## Dual Sensor for Smoke and Carbon Monoxide



**Smoldering Fire**



**Fast-burning**



**Fireplaces for Heating**

Image: Dual sensor detection capabilities for smoke and carbon monoxide.

# No Hassle of Replacing Battery

## 10-Year Battery Built-in



Battery Powered  
and Equipped



10-Year  
Built-in Battery



Low Battery  
Voice Signal



Image: Illustration of the 10-year built-in battery.

## Reduce Annoying False Alarms

The unique **micro-porous design** on the surface, together with the internal metal labyrinth dust-proof mesh, effectively blocks the entry of small crawling insects and dust.

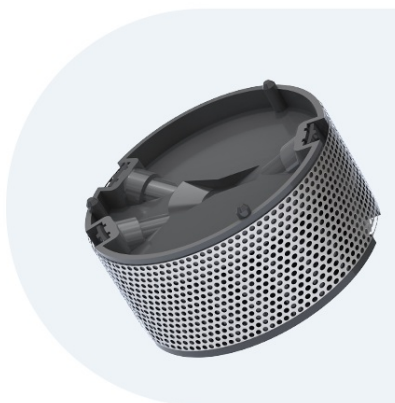


Image: Micro-porous design for reducing false alarms.

# Fire-retardant Design for Continuous Alarm under Fire

# ≥ 100°C



Image: Fire-retardant design for continuous alarm under fire conditions.

## 5. SETUP & INSTALLATION

### 5.1 Choosing a Location

For optimal protection, install smoke and CO alarms on every level of your home, including basements, and in every sleeping area. Avoid installing near windows, doors, or vents where drafts could interfere with detection. Keep away from cooking appliances and bathrooms.

### 5.2 Mounting the Detector

1. Select a suitable mounting location on the ceiling or wall.
2. Use the mounting plate as a template to mark the screw holes.

3. Drill holes and insert wall plugs if necessary.
4. Secure the mounting plate to the ceiling or wall using the provided screws.
5. Align the detector with the mounting plate and rotate it clockwise until it clicks into place. This action will activate the internal battery.

## Easy Installation

Eliminates Repetitive Drilling,  
Suitable for Most Hole Pitches

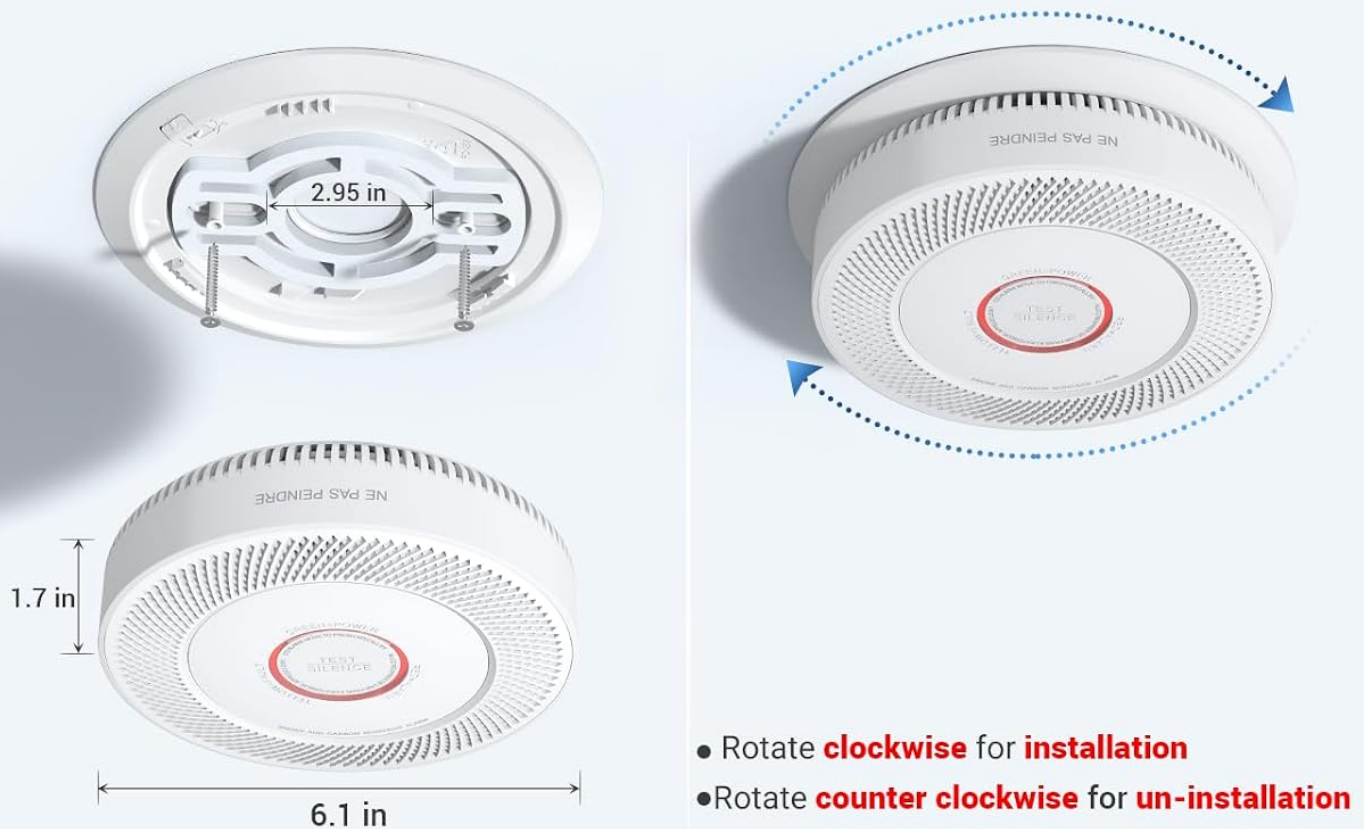


Image: Easy installation steps and dimensions.

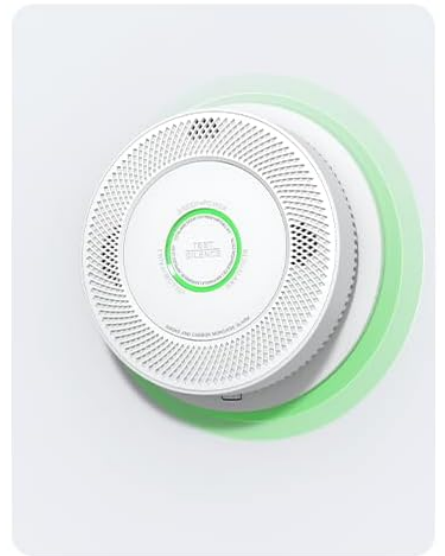
### 5.3 Interconnecting Alarms

To enable whole-home coverage, you can wirelessly interconnect up to 18 Ecoey A8612B-4R alarms. Follow these steps

to pair your detectors:

1. Choose one detector as the primary unit.
2. Press the TEST/SILENCE button on the primary unit **three times within two seconds**. The unit will announce "Pairing" (and "Appariement" in French).
3. Within 2 minutes, take another detector you wish to interconnect and press its TEST/SILENCE button **three times within two seconds**. It will also announce "Pairing".
4. Once successfully paired, the units will announce "Pairing Success" (and "Succès de l'appariement").
5. Repeat for all additional units you wish to interconnect.
6. Test the interconnection by pressing the TEST/SILENCE button on any one alarm. All interconnected alarms should sound.

# Interconnect All Your Devices



Press **3** times in **2 mins**  **"Pairing", "Appariement"**  Networking lasts for **2 mins**

Image: Interconnection process for multiple detectors.



# Whole Home Coverage

Interconnect Up to **18 Alarms**



Image: Whole home coverage with interconnected alarms.

## 6. OPERATING INSTRUCTIONS

### 6.1 Test/Silence Button

The large central button on the detector serves two functions:

- **Test Function:** Press and hold the button for a few seconds to test the alarm's functionality. The alarm will sound, and the LED indicator will flash.
- **Silence Function:** In case of a non-emergency alarm (e.g., cooking fumes), press the button to temporarily silence the alarm for approximately 10 minutes. The alarm will automatically reset after this period. If the hazard persists, the alarm will reactivate.

## One-click Silence Feature

When the battery gets low and release the low battery alert, press the silence button to get **10 hours** of silence and replace your detector as soon as possible.



Image: One-click silence feature for low voltage warnings.

## 6.2 Alarm Patterns and Voice Alerts

The detector provides distinct alerts for smoke and carbon monoxide:

- **Smoke Alarm:** Three long beeps followed by a voice alert: "Fire!" (and "Incendie!"). This pattern repeats.
- **CO Alarm:** Four quick beeps followed by a voice alert: "Warning! Carbon Monoxide" (and "Attention! monoxyde de carbone"). This pattern repeats.

## 6.3 LED Indicators

The LED indicator provides visual status of the detector:

- **Green Light:** Indicates normal operation. Flashes periodically.
- **Yellow Light:** Indicates a fault or low battery warning.
- **Red Light:** Indicates an alarm condition (smoke or CO detected).



Image: LED indicator status guide.

## 6.4 Alarm Memory

The detector stores a record of past alarms. To check the alarm history, press the TEST/SILENCE button. The unit will announce "Fire alarm before, The total number of historical alarms is X" (where X is the number of past alarms).

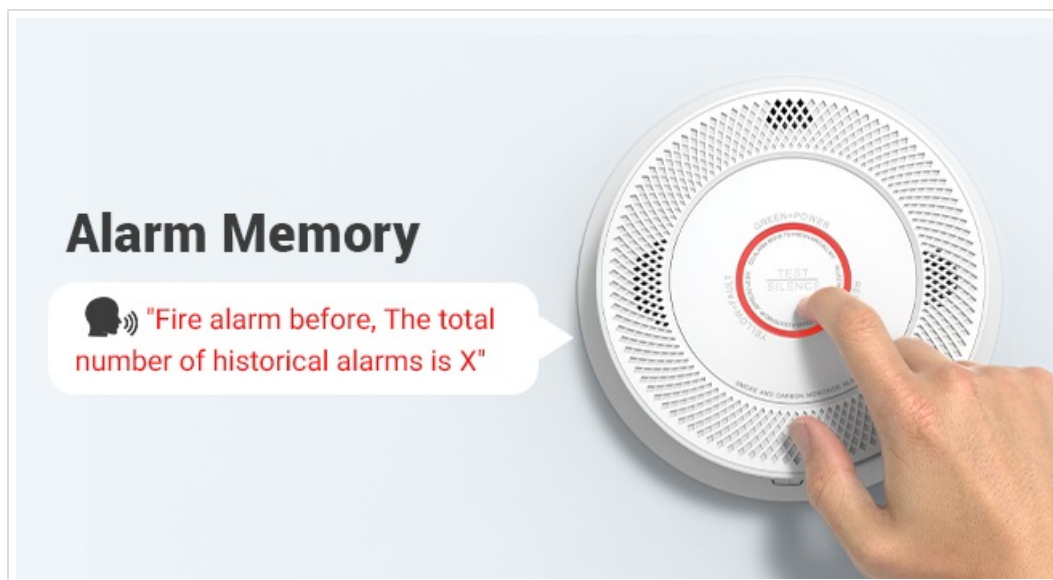


Image: Alarm memory feature and voice alert.

## 7. MAINTENANCE

Regular maintenance ensures your detector functions correctly:

- **Weekly Testing:** Press the TEST/SILENCE button weekly to ensure the alarm is functioning. All interconnected alarms should sound.
- **Monthly Cleaning:** Gently vacuum the detector's cover and vents using a soft brush attachment to remove dust and debris. Do not use cleaning solvents or sprays.
- **Battery Replacement:** The detector has a sealed 10-year battery and does not require replacement. When the battery reaches the end of its life, the unit will chirp periodically, indicating it's time to replace the entire detector.

## 8. TROUBLESHOOTING

| Problem                                  | Possible Cause                                    | Solution                                                                                                                                           |
|------------------------------------------|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Alarm chirps periodically (yellow light) | Low battery or fault condition.                   | Press the silence button for 10 hours of silence. Replace the detector immediately as the battery is at end-of-life.                               |
| Alarm sounds without apparent smoke/CO   | False alarm due to cooking fumes, steam, or dust. | Press the TEST/SILENCE button to silence the alarm. Ventilate the area. Clean the detector if dust is suspected.                                   |
| Alarm does not sound during test         | Detector not properly activated or faulty.        | Ensure the detector is fully rotated onto the mounting plate until it clicks. If still unresponsive, the unit may be faulty and needs replacement. |
| Interconnection fails                    | Incorrect pairing procedure or too many units.    | Review Section 5.3 and repeat the pairing process carefully. Ensure no more than 18 units are interconnected.                                      |

## 9. SPECIFICATIONS

| Attribute | Specification |
|-----------|---------------|
|-----------|---------------|

| Attribute             | Specification                               |
|-----------------------|---------------------------------------------|
| Model Number          | A8612B-4R                                   |
| Power Source          | Sealed 10-Year Lithium Battery (included)   |
| Sensor Type           | Photoelectric (Smoke), Electrochemical (CO) |
| Alarm Volume          | Audible                                     |
| Product Dimensions    | 1.5"D x 5.52"W x 5.52"H                     |
| Operating Humidity    | 10% ~ 95% RH non-condensing                 |
| Operating Temperature | Up to 37.8°C (100°F)                        |
| Material              | ABS                                         |
| Interconnection       | Wireless, up to 18 units                    |

## 10. WARRANTY AND SUPPORT

Ecoey products are designed for reliability and performance. For warranty information or technical support, please refer to the contact details provided with your purchase documentation or visit the official Ecoey website. Keep your purchase receipt as proof of purchase for warranty claims.

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Anonymous

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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

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