

Ecoey A8612B-6AR

Ecoey Hardwired Smoke and Carbon Monoxide Detector

Model: A8612B-6AR

PRODUCT OVERVIEW

The Ecoey A8612B-6AR is a hardwired 2-in-1 smoke and carbon monoxide (CO) detector designed to provide comprehensive safety for your home. It features advanced sensors with a 10-year lifespan, ensuring long-lasting protection. This device is equipped with a dual sensor system, utilizing an electrochemical sensor for CO detection and the latest Labyrinth core technology for smoke detection, capable of identifying both fast-burning and smoldering fires.

A key feature is its hardwired interconnection capability, allowing up to 18 alarms to be linked. If one alarm is triggered, all interconnected units will sound, providing early warning throughout your home. A replaceable AA battery backup ensures continuous operation even during power outages. The unique flared smoke inlet design facilitates faster detection, approximately 15 seconds quicker than other models. For user convenience, the detector provides bilingual audio alerts in English and French. Constructed from flame-retardant material, the device offers enhanced safety and durability.



Figure 1: Ecoey A8612B-6AR Smoke and Carbon Monoxide Detector.

Catch Both at Once

Dual Sensor for Smoke and Carbon Monoxide

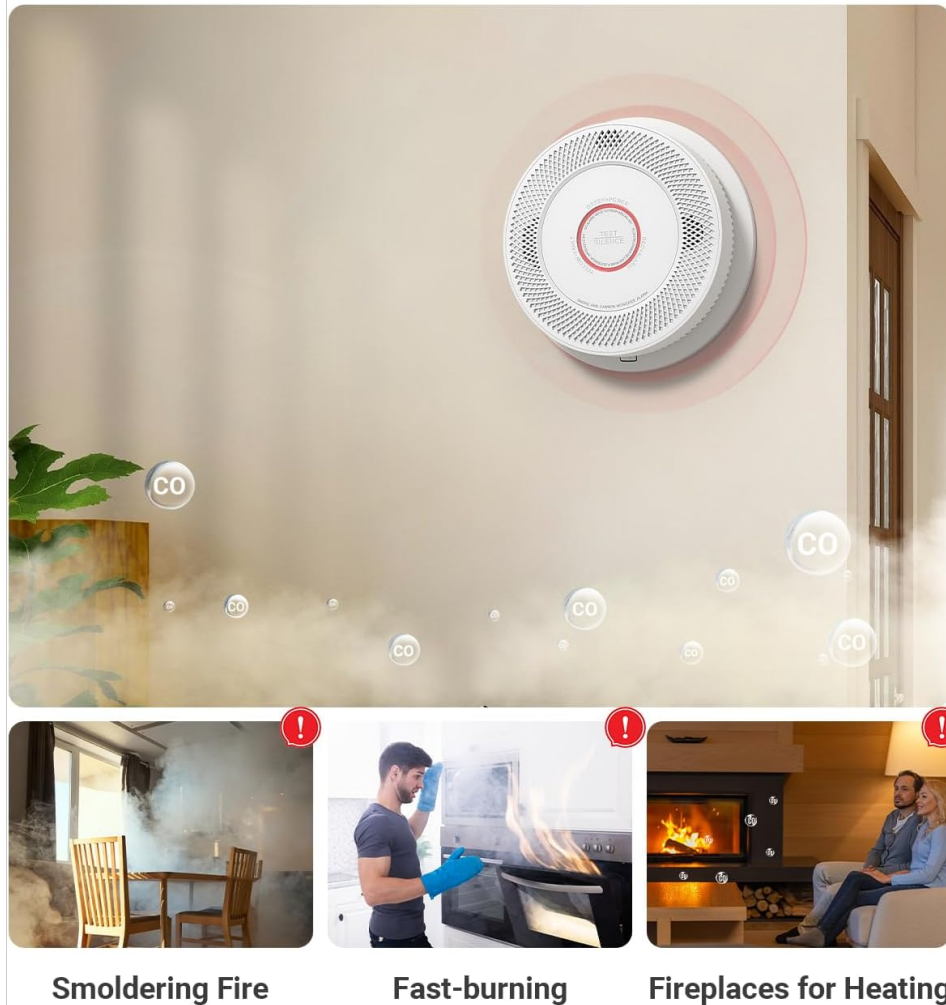


Figure 2: The dual sensor system detects smoke from smoldering and fast-burning fires, as well as carbon monoxide from sources like fireplaces.

SETUP AND INSTALLATION

Included Components:

- Ecoey A8612B-6AR Detector
- Mounting Screws
- Installation Plates
- User Manual
- Hardwire Connector
- AA Backup Batteries (2 included)

Installation Steps:

1. **Prepare the Installation Location:** Ensure the power to the circuit where the detector will be installed is turned off at the main fuse or circuit breaker.
2. **Mount the Installation Plate:** Secure the installation plate to the ceiling or wall using the provided screws. The design is suitable for most standard hole pitches.
3. **Connect Wiring:** Connect the hardwire connector to your home's electrical wiring according to local electrical

codes. The detector is designed for easy hardwired connection.

4. **Install Batteries:** Insert the two AA backup batteries into the battery compartment. These batteries provide continuous protection during power outages.
5. **Attach Detector:** Align the detector with the installation plate and rotate clockwise to secure it in place. To un-install, rotate counter-clockwise.
6. **Restore Power:** Turn the power back on at the main fuse or circuit breaker.
7. **Test the Alarm:** Press the TEST/SILENCE button to ensure the alarm is functioning correctly. Refer to the 'Operating Instructions' section for details on testing.



Figure 3: Visual guide for hardwired installation and battery insertion.



Figure 4: All components included for installation, highlighting the ease of setup.

OPERATING INSTRUCTIONS

Normal Operation:

During normal operation, the detector's power indicator will flash green every 40 seconds, indicating that it is actively monitoring for smoke and carbon monoxide. The unique intake design allows for rapid detection of hazards.

Testing the Alarm:

It is recommended to test your smoke and carbon monoxide alarm weekly to ensure proper functionality. To test, press and hold the TEST/SILENCE button for a few seconds. The alarm will sound a test pattern, and the indicator lights will cycle through their states (green, yellow, red).

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.

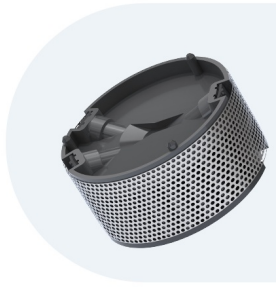


Figure 5: Understanding the Power (Green), Fault/Low Battery (Yellow), and Alarm (Red) indicators.

Bilingual Audio Alerts:

The Ecoey A8612B-6AR provides audio alerts in both English and French. For smoke detection, the alarm will announce: "Fire!" / "Incendie!". For carbon monoxide detection, it will announce: "Warning! Carbon Monoxide" / "Attention! monoxyde de carbone".

Interconnection Feature:

This detector supports hardwired interconnection with up to 18 compatible alarms. When one interconnected alarm detects a hazard, all linked alarms will sound, providing widespread notification throughout your home. To pair alarms, press the TEST button 3 times within 2 seconds. The alarms will enter a networking status for 2 minutes, confirming "Pairing success" or "Pairing failed".

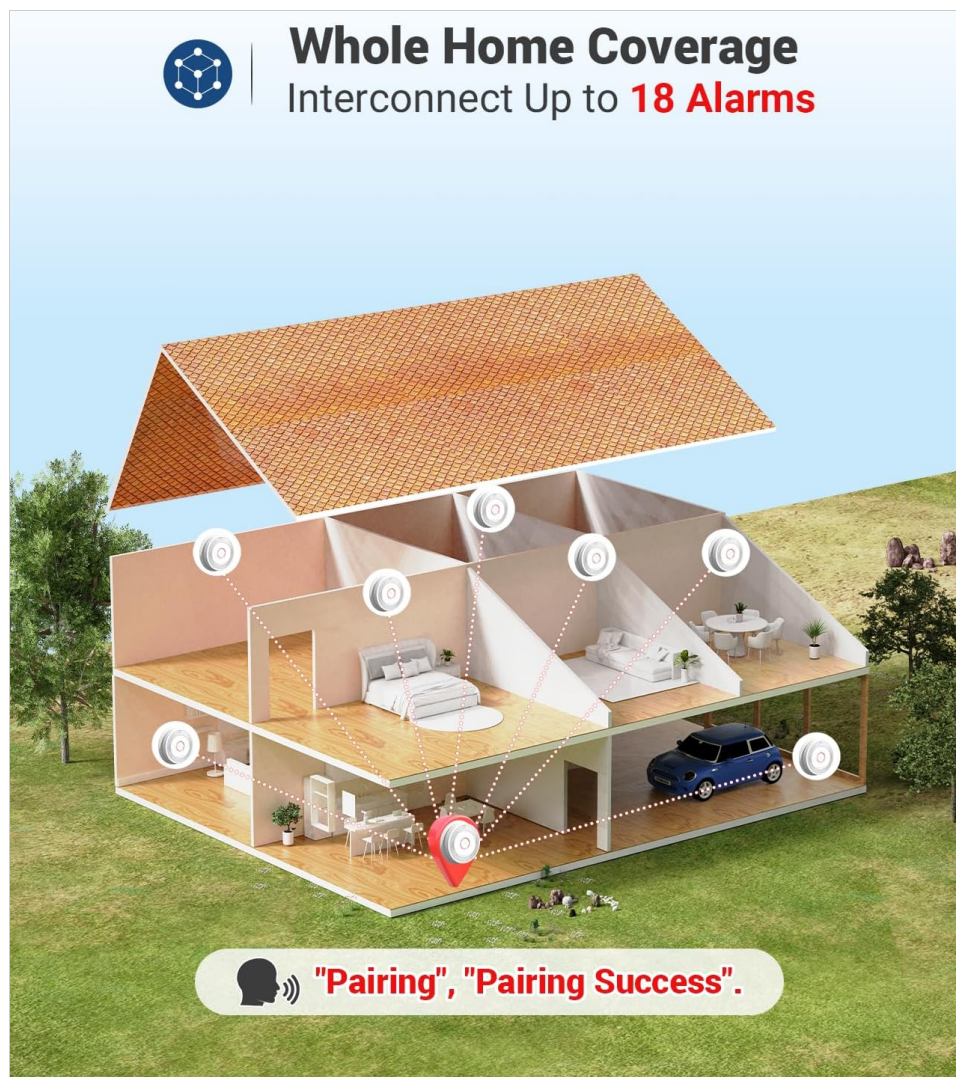


Figure 6: Illustrates how multiple interconnected alarms provide whole home coverage.



Figure 7: Steps to interconnect multiple Ecoey alarms for synchronized alerts.

Alarm Memory:

The detector stores a history of past alarms. If an alarm has been triggered previously, it will announce "Fire alarm before, The total number of historical alarms is X" (where X is the number of historical alarms) when the TEST/SILENCE button is pressed.



Figure 8: The alarm memory feature provides a record of past activations.

MAINTENANCE

Regular maintenance ensures the optimal performance and longevity of your Ecoey detector.

Battery Replacement:

The detector uses replaceable AA batteries for backup power. When the low voltage warning sounds, press the silence button for 10 hours of temporary silence, and replace the batteries as soon as possible. Always use fresh, high-quality AA alkaline batteries.

Cleaning:

Dust and debris can accumulate on the detector, potentially affecting its performance. Gently vacuum the detector's vents and surface monthly using a soft brush attachment. Do not paint the detector, as this can block the sensor openings.

End of Life:

The Ecoey A8612B-6AR has a 10-year alarm life. After 10 years from the date of manufacture, the unit will indicate its end-of-life, and it should be replaced immediately to ensure continued protection.

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.



Figure 9: The one-click silence feature provides 10 hours of silence for low battery alerts, allowing time for replacement.

TROUBLESHOOTING

False Alarms:

If the alarm sounds without an apparent fire or CO hazard, it may be a false alarm. Press the TEST/SILENCE button for 5 seconds to silence the alarm. Ensure there are no sources of smoke (e.g., cooking fumes, steam) or CO (e.g., gas appliances) nearby that could trigger the alarm. The unique micro-porous design and internal metal labyrinth dust-proof mesh help reduce annoying false alarms caused by small crawling insects and dust.



Figure 10: The detector's design minimizes false alarms from environmental factors.

Red Flashing Light During Normal Operation:

Some units may initially blink red every 40 seconds due to residual alarm memory from factory testing. This is a normal phenomenon. To clear the memory, quickly press the TEST/HUSH button 3 times. Alternatively, the detector will reset its historical memory function automatically after 72 hours of continuous operation.

Alarm Not Responding to Test:

If the alarm does not sound when the TEST/SILENCE button is pressed, ensure the unit is properly installed, power is supplied, and batteries are correctly inserted. If the issue persists, the unit may need to be replaced.

SPECIFICATIONS

Feature	Detail
Brand	Ecoey
Model Number	A8612B-6AR
Style	10-Year Hardwired
Power Source	Corded Electric with AA Battery Backup
Color	White
Product Dimensions	1.5"D x 5.52"W x 5.52"H
Alarm Type	Audible
Operating Humidity	10~95% RH non-condensing
Upper Temperature Rating	37.8 Degrees Celsius
Sensor Type	Electrochemical (CO), Labyrinth Core (Smoke)
Material	ABS (Flame Retardant)
Item Weight	15.8 ounces
Interconnection	Up to 18 units
Audio Alerts	English and French



Figure 11: The detector features a fire-retardant ABS body, designed to withstand temperatures above 100°C.

WARRANTY AND SUPPORT

The Ecoey A8612B-6AR detector comes with a standard return policy allowing for refund or replacement within 30 days of purchase. For any product inquiries, technical support, or warranty claims, please contact Ecoey customer service directly. You can also visit the official Ecoey Store on Amazon for more information and support resources.

[Visit the Ecoey Store](#)

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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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