



Manuals.plus /

› Kesymo /

› Kesyo YHW-542COM-R Upgraded Dual Sensor Smoke and Carbon Monoxide Detector Instruction Manual

## Kesymo YHW-542COM-R

# Kesyo YHW-542COM-R Upgraded Dual Sensor Smoke and Carbon Monoxide Detector Instruction Manual

Model: YHW-542COM-R | Brand: Kesymo

## 1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Kesyo YHW-542COM-R Upgraded Dual Sensor Smoke and Carbon Monoxide Detector. This device is designed to provide early warning of both smoke and carbon monoxide (CO) presence, enhancing the safety of your home environment. Please read this manual thoroughly before installation and retain it for future reference.

## 2. IMPORTANT SAFETY INFORMATION

This detector is certified to the latest UL217 and UL2034 standards by an ILAC ISO 17025/NRTL-accredited laboratory, ensuring trusted protection. It is crucial to understand that this device is an alarm and not a substitute for proper fire prevention or carbon monoxide detection practices. Regular testing and maintenance are essential for optimal performance.

- **Do not paint the detector.** Paint can clog the sensing chambers and prevent the alarm from operating correctly.
- **Do not block the vents.** Ensure the detector's vents are clear of dust, debris, or obstructions.
- **Test regularly.** Perform a test of the detector at least once a week to ensure proper function.
- **Replace after 10 years.** The sensors have a 10-year lifespan. Replace the entire unit after 10 years from the manufacturing date.

## 3. PACKAGE CONTENTS

Verify that all items are present and in good condition:

- Kesyo YHW-542COM-R Dual Sensor Smoke and Carbon Monoxide Detector (1 unit)
- Mounting Bracket
- Screws and Wall Anchors (for installation)



Image 1: Contents of the Kesyl YHW-542COM-R package, including the detector, mounting hardware, and manual.

## 4. SETUP AND INSTALLATION

The Kesyl YHW-542COM-R detector is designed for hassle-free installation with its built-in 10-year lithium battery, eliminating the need for wiring or frequent battery changes.

### 4.1 Recommended Installation Locations

- Install at least one detector on every level of your home, including basements and attics.
- Place detectors inside and outside sleeping areas.
- For optimal smoke detection, install on the ceiling in the center of the room.
- For optimal carbon monoxide detection, install at chest height or higher, but not directly on the ceiling.
- Ensure the detector is at least 10 feet (3 meters) away from fuel-burning appliances to minimize false alarms.

### 4.2 Locations to Avoid

- Do not install in kitchens, garages, or bathrooms where steam, cooking fumes, or exhaust can cause false alarms.
- Avoid areas with high humidity or extreme temperatures.
- Keep away from direct sunlight or areas with strong air currents (e.g., near vents, fans, or open windows).

### 4.3 Installation Steps

1. **Activate the Detector:** Locate the ON/OFF switch on the back of the detector. Slide the switch to the "ON" position. The LCD display will activate, and the LED indicator will flash, indicating the unit is powered on and performing a self-test.
2. **Prepare Mounting Location:** Choose a suitable location based on the recommendations above. Use the mounting bracket as a template to mark the screw holes on the wall or ceiling.
3. **Drill Holes:** Drill two holes at the marked positions. If installing into drywall, insert the provided wall anchors.
4. **Attach Mounting Bracket:** Secure the mounting bracket to the wall or ceiling using the provided screws.
5. **Mount the Detector:** Align the detector with the mounting bracket and twist it clockwise until it locks securely into place.



Image 2: Visual guide for mounting the detector. First, install the hanging panel on the wall or ceiling, then rotate the detector to merge it securely.



## PERFECT FOR DIFFERENT LIVING PLACES



Image 3: Examples of suitable installation locations in different living spaces, including living rooms, bedrooms, kitchens, and garages.

### 4.4 Interlinking Multiple Detectors (If Applicable)

If you have multiple Kesyl YHW-542COM-R detectors that support interlinking, follow these steps to connect them wirelessly:

1. **Initiate Pairing on First Unit:** On one detector (the primary unit), press the test button 5 times rapidly. The LED will flash green, indicating it is in pairing mode.
2. **Pair Secondary Units:** On each additional detector (secondary units), press the test button 3 times rapidly. The LED will flash green, indicating successful pairing with the primary unit.
3. **Confirm Pairing:** Once all units are paired, test each detector. When one alarm is triggered, all interlinked alarms should sound simultaneously.

Your browser does not support the video tag.

Video 1: This video demonstrates the process of interlinking multiple Kesyl smoke and carbon monoxide detectors for synchronized alarming. It shows how to put the primary unit into pairing mode and then connect secondary units.

## 5. OPERATING INSTRUCTIONS

### 5.1 Power On and Self-Test

Upon activation (sliding the ON/OFF switch to "ON"), the detector will perform a self-test. The LCD display will show a countdown, and the LED indicator will cycle through colors (green, blue, red) accompanied by audible beeps. This indicates the unit is functioning correctly.

## 5.2 LCD Display and LED Indicators

- **LCD Display:** Shows real-time carbon monoxide (CO) levels in parts per million (PPM) and battery status.
- **Green LED:** Flashes every 40 seconds during normal operation, indicating the unit is active and monitoring.
- **Blue LED:** Flashes during smoke detection, accompanied by a loud alarm.
- **Red LED:** Flashes during carbon monoxide detection, accompanied by a loud alarm.
- **Yellow LED:** Indicates a malfunction or low battery.



Image 4: The detector features an easy-to-read LCD display for CO levels and distinct LED indicators for smoke (blue) and CO (red) alerts.

## 5.3 Testing the Detector

Regularly test your detector to ensure it is working properly. Press and hold the "TEST" button located on the side of the unit for a few seconds. The alarm will sound loudly (85dB), and the LED indicators will flash. Release the button to stop the test. It is recommended to test the unit weekly.

Your browser does not support the video tag.

Video 2: This video demonstrates how to test the smoke and carbon monoxide detector, showing the audible alarm and flashing LED lights.

## 5.4 Alarm Silence Feature

In case of a non-emergency false alarm (e.g., from cooking fumes), you can temporarily silence the alarm by pressing the "TEST" button. The alarm will enter silent mode for approximately 10 minutes, indicated by a flashing LED. The alarm will reactivate if smoke or CO levels remain high.

## 6. MAINTENANCE

### 6.1 Cleaning

Dust and debris can affect the detector's performance. Clean the detector regularly (at least once a month) by gently vacuuming around the vents with a soft brush attachment. Do not use cleaning solvents or spray directly onto the unit.

### 6.2 Battery Life

The detector features a built-in 10-year lithium battery. When the battery is low, the unit will emit a chirp and the yellow LED will flash, indicating it's time to replace the entire unit. Do not attempt to replace the internal battery.

### 6.3 End of Life Indication

After approximately 10 years of operation, the detector will signal its end-of-life by chirping and flashing the yellow LED. This indicates that the entire unit must be replaced to ensure continued protection.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Alarm sounds frequently without apparent danger.	False alarm due to cooking fumes, steam, or dust.	Press the "TEST" button to silence. Ventilate the area. Clean the detector. Relocate if false alarms persist.
Yellow LED flashes and unit chirps.	Low battery or end-of-life.	Replace the entire detector unit immediately.
Detector does not respond to test button.	Unit not activated or malfunction.	Ensure ON/OFF switch is in "ON" position. If still unresponsive, replace the unit.
Interlinked alarms do not all sound.	Pairing issue or range limitation.	Re-pair the units following Section 4.4. Ensure units are within effective wireless range.

## 8. SPECIFICATIONS

- **Brand:** Kesymo
- **Model:** YHW-542COM-R
- **Power Source:** Battery Powered (Built-in 10-year lithium battery)
- **Sensor Type:** Photoelectric (Smoke), Electrochemical (CO)
- **Alarm Loudness:** 85dB
- **Product Dimensions:** 1.73"D x 4.65"W x 4.69"H
- **Item Weight:** 0.35 Pounds (approx. 5.6 ounces)

- **Certifications:** UL217, UL2034
- **Included Components:** Carbon monoxide smoke alarm, mounting bracket, screws, anchors

## 9. WARRANTY AND SUPPORT

---

Kesy offers lifetime free replacement support and lifetime after-sales service for this product. For any questions, concerns, or warranty claims, please contact Kesymo customer support.

**Manufacturer:** ShenZhen YuFangWeiShi Technology CO.,LTD