AEGISLINK SC240

AEGISLINK SC240 Smoke and Carbon Monoxide Detector User Manual

Model: SC240 | Brand: AEGISLINK

1. INTRODUCTION

This user manual provides important information regarding the installation, operation, and maintenance of your AEGISLINK SC240 Smoke and Carbon Monoxide Detector. Please read this manual thoroughly before installation and keep it for future reference. This device is designed to detect both smoke and carbon monoxide, providing early warning of potential hazards in your home.

Image: The AEGISLINK SC240 detector provides peace of mind for your family.

2. IMPORTANT SAFETY INFORMATION

Always adhere to all local and national building and installation codes. This device is not intended to replace proper ventilation and maintenance of fuel-burning appliances. It will not protect against the immediate effects of carbon monoxide exposure or smoke inhalation if the device is not properly installed, maintained, and tested.

- **Do not paint the detector.** Paint can clog the openings and interfere with the sensor's ability to detect smoke or carbon monoxide.
- **Do not install in areas with high humidity** such as bathrooms or near dishwashers.
- **Avoid installing near vents, fans, or doors** where air currents might prevent smoke or CO from reaching the sensor.
- **Test the alarm weekly** to ensure proper operation.

3. PRODUCT FEATURES

- **10-Year Lifespan:** Equipped with reliable and long-lasting sensors for a decade of stable performance.
- **Built-in LCD Display:** Shows real-time carbon monoxide levels (in PPM) and battery status. Activates upon test or when CO levels reach a certain threshold.
- **Dual Sensor Technology:** Utilizes both photoelectric (for smoke) and electrochemical (for CO) sensors for comprehensive protection.
- **Loud Alarm:** Siren exceeds 85 dB at 10 ft (3 m) to ensure audibility throughout the home.
- **Compact Design:** Measures approximately 5 × 1.4 inches (128 × 34.7 mm) for discreet installation.
- **Easy Installation:** Designed for simple screw-in installation without the need for an electrician.

Image: The AEGISLINK SC240 features a 10-year sensor life and replaceable battery.

Image: The integrated LCD provides real-time carbon monoxide level readings.

4. PACKAGE CONTENTS

The following items are included in your AEGISLINK SC240 package:

- 3 x AEGISLINK Smoke and Carbon Monoxide Detector SC240
- 3 x Mounting Bracket
- 3 x CR123A Replaceable Battery
- 1 x Parts Kit (screws and anchors)
- 1 x User Manual (this document)

Image: A typical 3-pack of AEGISLINK SC240 detectors.

5. INSTALLATION

5.1 Choosing a Location

For optimal protection, install smoke and carbon monoxide detectors on every level of your home, including basements, and in or near all sleeping areas. Consider the following:

- Install on the ceiling or high on a wall (at least 4 inches from the ceiling).
- Keep detectors at least 20 feet away from fuel-burning appliances (furnaces, water heaters, space heaters) to avoid nuisance alarms.
- Avoid dead air spaces, such as the peak of a vaulted ceiling or corners where walls and ceilings meet.

5.2 Mounting Instructions

1. **Prepare the Mounting Location:** Choose a clean, dry, and stable surface on the ceiling or wall.
2. **Attach the Mounting Bracket:** Use the included screws and anchors to securely fasten the mounting bracket to the chosen location. Ensure the bracket is flush with the surface.

3. **Install the Battery:** Open the battery compartment on the back of the detector. Insert the CR123A battery, ensuring correct polarity (+/-). The detector will emit a short beep to indicate it has powered on.

4. **Attach the Detector:** Align the detector with the mounting bracket and twist clockwise until it clicks securely into place.

5. **Test the Detector:** Press and hold the Test/Silence button on the front of the detector for a few seconds. The alarm should sound, and the LCD display should activate, indicating proper function.

Image: Insert the CR123A battery into the designated compartment.

6. OPERATION

6.1 Normal Operation

During normal operation, the green LED indicator will flash approximately once every 60 seconds, indicating that the detector is functioning correctly. The LCD display will typically be off to conserve battery power.

6.2 Alarm Conditions

- **Smoke Alarm:** When smoke is detected, the red LED will flash rapidly, and the alarm will sound with a loud, continuous siren.

- **Carbon Monoxide (CO) Alarm:** When dangerous levels of CO are detected, the red LED will flash, the alarm will sound with a distinct pattern (e.g., four quick beeps followed by a pause), and the LCD will display the detected CO concentration in PPM.

Real-Time Carbon Monoxide Monitoring

| 70 ppm | 150 ppm | 400 ppm |
| 60-240 minutes | 10-50 minutes | 5-15 minutes |

Image: Carbon Monoxide alarm thresholds and response times.

Image: Indicator lights provide visual status of the detector.

6.3 Test/Silence Button

The large button on the front of the detector serves two functions:

- **Test Function:** Press and hold the button to test the alarm's functionality. The alarm will sound, and the LCD will activate.
- **Silence Function:** In the event of a nuisance alarm (e.g., from cooking smoke), press the button to temporarily silence the alarm. The alarm will reset after a few minutes if the smoke or CO clears. If the hazard persists, the alarm will reactivate.

Image: Regularly test your detector by pressing the Test/Silence button.

7. MAINTENANCE

7.1 Weekly Testing

Test your detector weekly by pressing and holding the Test/Silence button until the alarm sounds. This confirms the unit's electronics, battery, and alarm are working.

7.2 Cleaning Your Detector

Dust and debris can accumulate on the detector and affect its performance. Clean your detector at least once a month:

- Use a soft brush attachment on your vacuum cleaner to remove dust from the vents.
- Wipe the exterior with a slightly damp cloth. Do not use cleaning solvents or sprays directly on the detector.

7.3 Battery Replacement

The detector uses a replaceable CR123A lithium battery. When the battery is low, the yellow LED will flash, and the detector will chirp periodically. Replace the battery immediately to ensure continuous protection.

1. Twist the detector counter-clockwise to remove it from the mounting bracket.
2. Open the battery compartment.
3. Remove the old battery and dispose of it according to local regulations.
4. Insert a new CR123A battery, observing correct polarity.
5. Close the battery compartment and reattach the detector to the mounting bracket.
6. Test the detector after battery replacement.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Alarm chirps periodically (e.g., every 30-60 seconds).	Low battery.	Replace the CR123A battery immediately.

Problem	Possible Cause	Solution
Alarm sounds without apparent smoke or CO.	Nuisance alarm (steam, cooking fumes, dust).	Press the Test/Silence button. Ventilate the area. Clean the detector.
Detector does not respond to test button.	Dead battery, incorrect battery installation, or unit malfunction.	Check battery polarity, replace battery. If problem persists, contact customer support.
LCD display is blank.	Normal power-saving mode, or dead battery.	The LCD activates when CO is detected or during a test. If it remains blank during a test, replace the battery.
Yellow LED flashes continuously.	Fault condition or end-of-life warning.	If the unit is chirping with the yellow LED, replace the battery. If it's a continuous yellow flash without chirping, the unit may be faulty or at its end of life (10 years). Replace the detector.

9. SPECIFICATIONS

Feature	Detail
Model Number	SC240
Sensor Type	Photoelectric (Smoke), Electrochemical (CO)
Power Source	Battery Powered (3V CR123A Lithium Battery)
Alarm Loudness	≥ 85 dB at 10 ft (3 m)
Product Dimensions	5.1" (Diameter) × 1.4" (Depth) / 128 mm × 34.7 mm
Item Weight	6.88 ounces (approx. 195 g)
Operating Temperature	40°F - 100°F (4.4°C - 37.8°C)
Operating Humidity	10% - 95% RH (non-condensing)
Material	Flame Retardant ABS
Coverage Area	215-430 sq. ft.

Compact Design

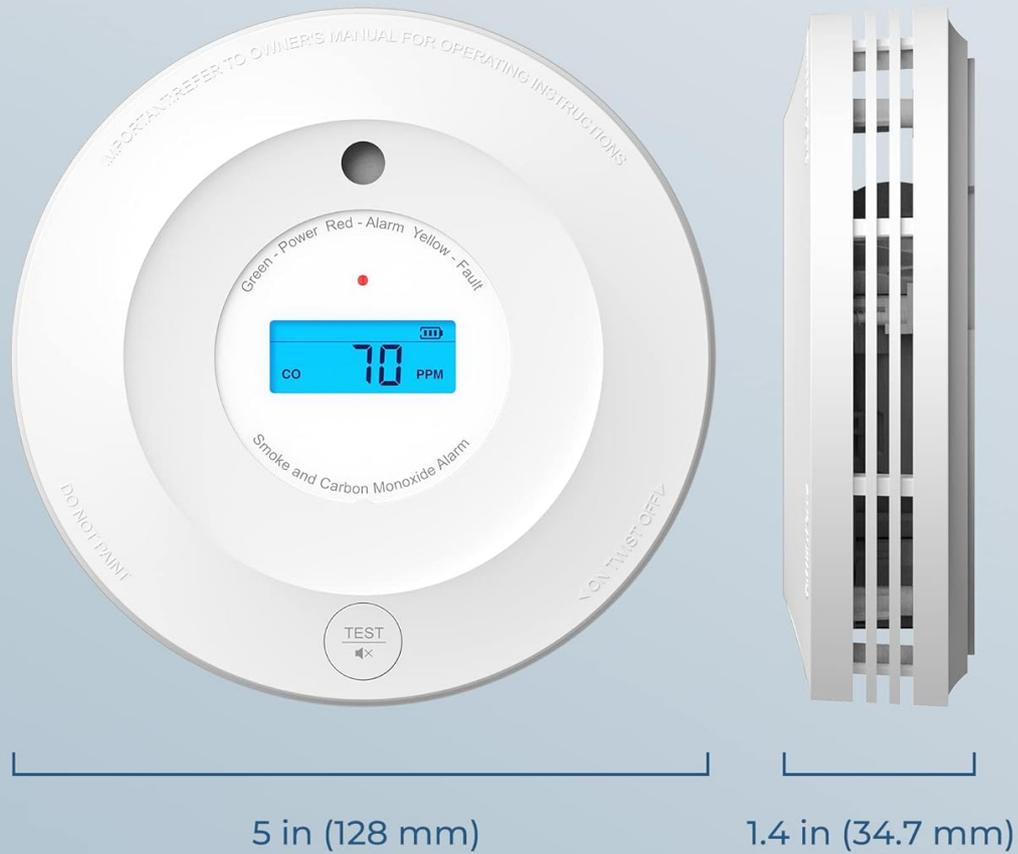

5 in (128 mm)   1.4 in (34.7 mm)

Image: Compact dimensions of the AEGISLINK SC240 detector.

10. WARRANTY AND SUPPORT

AEGISLINK provides the following warranty and support for the SC240 Smoke and Carbon Monoxide Detector:

- **60-day money-back guarantee**
- **5-year quality warranty**
- **Lifetime technical support**

For technical assistance or warranty claims, please contact AEGISLINK customer support through their official channels or visit their website. Refer to the contact information provided with your purchase or on the product packaging.

Related Documents - SC240

	[Aegislink Combination Smoke and Carbon Monoxide Alarm User Manual SC200/SC220/SC240](#) Comprehensive user manual for the Aegislink SC200, SC220, and SC240 combination smoke and carbon monoxide alarms. Includes installation, operation, safety, maintenance, and troubleshooting information.
	[Aegislink Combination Smoke and Carbon Monoxide Alarm User Manual (SC200/SC220/SC240)](#) This user manual provides essential information for the installation, operation, and maintenance of the Aegislink Combination Smoke and Carbon Monoxide Alarm (Models SC200, SC220, SC240). It covers product features, safety warnings, installation guidelines, troubleshooting, and technical specifications to ensure effective protection against smoke and carbon monoxide hazards in residential settings.
	[AEGISLINK Wireless Interlinked Combination Smoke and Carbon Monoxide Alarm User Manual](#) Comprehensive user manual for the AEGISLINK Wireless Interlinked Combination Smoke and Carbon Monoxide Alarm (Models SC-RF200/SC-RF220). Learn about product features, safety information, setup, interconnection, alarm testing, installation positioning, battery replacement, troubleshooting, and maintenance.
	[Aegislink S500 Photoelectric Smoke Alarm User Manual](#) Comprehensive user manual for the Aegislink S500 Photoelectric Smoke Alarm. Learn about installation, operation, safety features, maintenance, and troubleshooting.
	[AEGISLINK Wireless Interlinked Combination Smoke and Carbon Monoxide Alarm User Manual](#) This user manual provides detailed information on the installation, operation, and maintenance of the AEGISLINK Wireless Interlinked Combination Smoke and Carbon Monoxide Alarm (Models SC-RF200/SC-RF220). It covers package contents, safety information, product features, setup, interconnection, alarm testing, installation positioning, battery replacement, troubleshooting, and technical specifications.
	[Aegislink Wireless Interlinked Combination Smoke and Carbon Monoxide Alarm User Manual](#) Comprehensive user manual for the Aegislink SC-RF200 and SC-RF220 wireless interlinked combination smoke and carbon monoxide alarms. Covers installation, operation, safety guidelines, interconnection, testing, maintenance, troubleshooting, and technical specifications.