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WISUALARM C03

WISUALARM Carbon Monoxide Detector User Manual

Model: C03
Brand: WISUALARM

1. INTRODUCTION

Thank you for choosing the WISUALARM Carbon Monoxide (CO) Detector. This device is designed to provide reliable and accurate detection of carbon monoxide gas in your home, ensuring the safety of your family. Carbon monoxide is a colorless, odorless, and tasteless gas that can be fatal. This manual provides essential information for the proper installation, operation, and maintenance of your CO detector.

This detector is equipped with a 10-year lifespan sensor and battery, offering long-term protection. It features clear LED indicators and a loud 85dB alarm to alert you to potential CO hazards. Please read this manual thoroughly before use and keep it for future reference.

2. IMPORTANT SAFETY INFORMATION

WARNING: This carbon monoxide alarm is designed to detect carbon monoxide gas from ANY source of combustion. It is NOT designed to detect smoke or fire. This alarm is NOT a substitute for a smoke alarm.

- Never ignore the alarm. Ignoring the alarm may result in serious injury or death.
- Test the alarm weekly to ensure proper operation.
- Do not paint the alarm. Paint can clog the openings and interfere with the sensor's ability to detect CO.
- Do not install in areas with high humidity, extreme temperatures, or excessive dust.
- Keep out of reach of children unless supervised.
- This device is for indoor use only.

3. PRODUCT OVERVIEW

The WISUALARM Carbon Monoxide Detector is a compact and efficient device designed for easy use and reliable performance.



Figure 3.1: Front view of the WISUALARM Carbon Monoxide Detector. It features a speaker grille on the left, the WISUALARM logo and "Carbon Monoxide Alarm" text in the center, and a large circular TEST/SILENCE button on the right. Around the button are three small LED indicators labeled "Alarm", "Fault", and "Power".

Visual and Audible Alarm

Three LED indicators & Alarm sound over 85dB



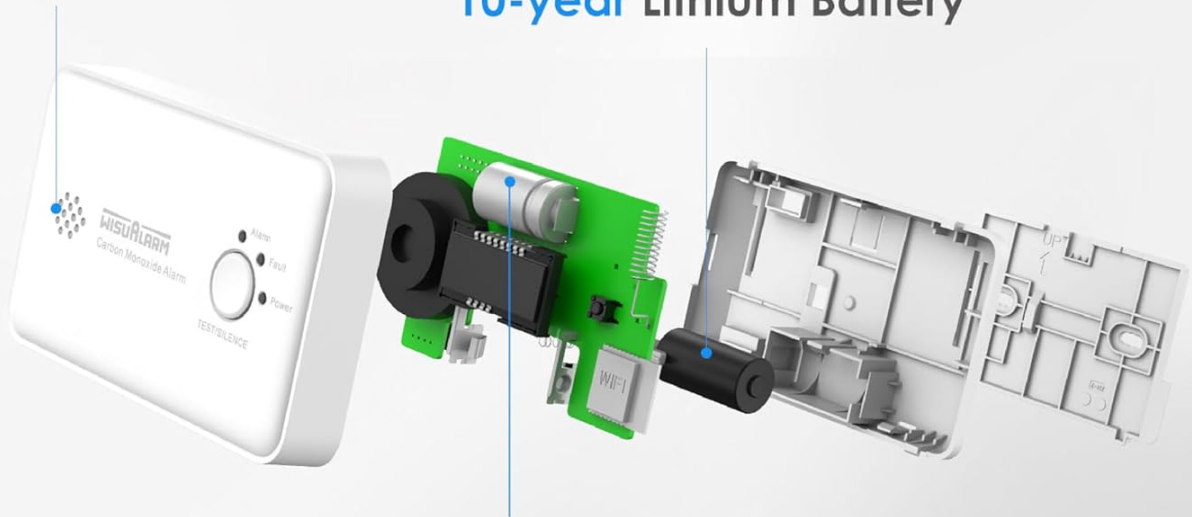
Figure 3.2: Visual and Audible Alarm Indicators. This diagram illustrates the three LED indicators on the detector: a red LED for "Alarm", a yellow LED for "Fault", and a green LED for "Power". It also highlights the 85dB sound output, ensuring clear alerts.

Real 10-Year Lifespan

Carbon Monoxide Detector

85dB Buzzer

10-year Lithium Battery



10-year lifetime Sensor

Figure 3.3: Internal Components and Lifespan. This image provides an exploded view of the detector, highlighting its key internal components: an 85dB buzzer for loud alarms, a 10-year lithium battery for long-lasting power, and a 10-year lifetime sensor for accurate and reliable CO detection.

Compact Design



Figure 3.4: Compact Design Dimensions. This diagram illustrates the compact size of the detector, with measurements provided: 2.82 inches (7.17 cm) in height, 4.58 inches (11.64 cm) in width, and 1.11 inches (2.83 cm) in depth, making it suitable for various placements.

4. SETUP AND INSTALLATION

The WISUALARM CO detector is designed for easy setup and can be either free-standing or wall-mounted.

4.1. Battery Installation

Your detector comes with a pre-installed 10-year lithium battery. To activate the device, simply remove the battery tab (if present) or follow the instructions on the device packaging to ensure the battery is properly connected. The device will typically emit a short beep and the green Power LED will illuminate to indicate it is active.

4.2. Choosing a Location

For optimal protection, install CO alarms in central locations on every level of your home and outside of sleeping areas. Consider placing an alarm in or near each sleeping area. Avoid placing the detector:

- Directly above or next to fuel-burning appliances.

- In direct sunlight or near heat sources.
- In areas with high air movement (e.g., near vents, fans, or open windows).
- In dusty, dirty, or greasy areas.
- In areas where the temperature can drop below 0°C (32°F) or exceed 40°C (104°F).

Constant CO Detection

Guard your home safety from poisonous gas



Figure 4.1: Constant CO Detection in a Bedroom. This image shows the CO detector placed on a bedside table, emphasizing its role in providing continuous carbon monoxide detection to guard home safety, especially in sleeping areas.

Flexibe & Einfache Installation

Free-standing or wall-mounted on your decision



Figure 4.2: Flexible Installation Options. This image displays two detectors in a living room setting: one placed free-standing on a coffee table and another mounted on the wall, illustrating the flexibility in choosing between free-standing or wall-mounted installation based on user preference and room layout.

4.3. Mounting the Detector

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

4.3.1. Wall Mounting (Optional)

1. Choose a suitable wall location, away from corners and obstructions.
2. Use the provided screws and anchors (if applicable) to secure the mounting bracket to the wall.
3. Attach the detector to the mounting bracket by twisting it clockwise until it locks into place.
4. Ensure the detector is securely fastened and does not wobble.

5. OPERATING INSTRUCTIONS

5.1. Power On

Once the battery is correctly installed, the detector will automatically power on. The green "Power" LED will flash periodically (e.g., every 30-60 seconds) to indicate normal operation.

5.2. Testing the Alarm

It is recommended to test your CO detector weekly to ensure it is functioning correctly.

1. Press and hold the "TEST/SILENCE" button for approximately 3 seconds.
2. The alarm will sound a loud, pulsating tone (85dB) and the red "Alarm" LED will flash.
3. Release the button. The alarm will stop, and the detector will return to normal monitoring mode.
4. If the alarm does not sound during the test, refer to the Troubleshooting section.

5.3. Understanding LED Indicators

- **Green LED (Power):** Flashes approximately every 30-60 seconds, indicating normal operation and sufficient power.
- **Yellow LED (Fault):** Illuminates or flashes to indicate a fault or low battery condition. Refer to the Troubleshooting section.
- **Red LED (Alarm):** Flashes rapidly along with the audible alarm when carbon monoxide is detected at dangerous levels.

5.4. Alarm Conditions and Response

When the detector senses a dangerous level of carbon monoxide, it will activate a loud audible alarm (85dB) and the red "Alarm" LED will flash rapidly.

Real-time Response to CO Detection
When CO concentration reach and remain threshold

CO Concentration (PPM)	Response Time
50 PPM	60–90 minutes
100 PPM	10–40 minutes
300 PPM	< 3 minutes

The infographic features a white WisuAlarm Carbon Monoxide Alarm device in the foreground. The device has a circular display with a red dot indicating the Alarm status, and a 'TEST/SILENCE' button. The background shows a wall with several CO detectors mounted on it, each with a 'CO' label. The overall design is clean and modern, with a light gray background.



Figure 5.1: Real-time Response to CO Detection. This diagram illustrates the detector's response times based on carbon monoxide concentration levels: at 50 PPM, the alarm will sound within 60-90 minutes; at 100 PPM, within 10-40 minutes; and at 300 PPM, within 3 minutes, ensuring timely alerts to rising CO levels.

If the alarm sounds:

1. Immediately move to fresh air outdoors or open all doors and windows to ventilate the area.
2. Do a head count to check that all persons are accounted for.
3. Do not re-enter the premises until the alarm has stopped and the area has been thoroughly ventilated.
4. Call your emergency services or fire department.
5. Identify and correct the source of carbon monoxide.

5.5. Silence Function

In case of a nuisance alarm (e.g., from temporary high CO levels during appliance startup), you can temporarily silence the alarm by pressing the "TEST/SILENCE" button. The alarm will silence for a short period (e.g., 5-10 minutes) and then re-evaluate the CO levels. If CO levels remain high, the alarm will reactivate.

6. MAINTENANCE

Regular maintenance ensures the continued reliable operation of your CO detector.

6.1. Weekly Testing

Test the alarm weekly as described in Section 5.2 to confirm the sensor and alarm circuitry are functioning.

6.2. Cleaning Your Detector

Dust and debris can affect the detector's performance. Clean your detector at least once a month.

- Gently vacuum the detector cover using the soft brush attachment of your vacuum cleaner.
- Do NOT use cleaning solvents or sprays directly on the detector.
- Do NOT paint the detector.

6.3. Battery Replacement

The detector is equipped with a 10-year sealed lithium battery designed to last the lifetime of the unit. If the yellow "Fault" LED flashes and the unit chirps periodically, it may indicate a low battery warning. In this case, the entire unit should be replaced as the battery is not user-replaceable.

7. TROUBLESHOOTING

If your CO detector is not operating as expected, refer to the following table for common issues and solutions.

Problem	Possible Cause	Solution
Alarm does not sound during test.	Battery not properly activated or unit malfunction.	Ensure battery tab is removed. If still no sound, the unit may be faulty and needs replacement.
Yellow "Fault" LED flashes/chirps.	Low battery or internal fault.	The battery is sealed and not user-replaceable. If this occurs, the unit has reached the end of its life or has an internal fault and must be replaced immediately.
Alarm sounds frequently without apparent CO source.	Nuisance alarm, detector placed in an unsuitable location, or actual low-level CO presence.	Ventilate the area. Relocate the detector if it's near combustion sources or high airflow. If alarms persist, have your home inspected for CO sources.
Green "Power" LED not flashing.	Unit not powered on or battery depleted.	Ensure battery is activated. If the unit is old or the yellow fault light is on, the battery may be depleted, and the unit needs replacement.

8. SPECIFICATIONS

Detailed technical specifications for the WISUALARM Carbon Monoxide Detector.

Feature	Detail
Model Number	C03
Dimensions (D x W x H)	3.9 x 12.1 x 7.6 cm (1.54 x 4.76 x 2.99 inches)
Weight	130 Grams (0.29 lbs)
Power Source	Battery Powered (1 CR123A Lithium battery, included and sealed)
Battery Life	Approximately 10 years (sealed, non-replaceable)
Sensor Type	Electrochemical
Alarm Loudness	85dB at 3 meters
Operating Temperature	0°C to 40°C (32°F to 104°F)
Operating Humidity	10% to 95% RH (non-condensing)
Installation Method	Free-standing or Wall-mounted
Certifications	EN50291 (as per product title)

9. WARRANTY INFORMATION

Specific warranty details for this product are not provided in the available information. Please refer to the product packaging or contact the manufacturer directly for warranty terms and conditions.

10. SUPPORT

For technical support, questions, or assistance with your WISUALARM Carbon Monoxide Detector, please contact the manufacturer or seller through the platform where you purchased the product. You may also visit the official WISUALARM website for further resources.

Manufacturer: Zhejiang Huaxiao Technology Co., Ltd