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› [OLUNCLE](#) /

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OLUNCLE OL0902U Smoke and Carbon Monoxide Detector Instruction Manual

Model: OL0902U

1. PRODUCT OVERVIEW

The OLUNCLE OL0902U is a battery-powered 2-in-1 smoke and carbon monoxide (CO) detector designed to provide early warning of both smoke and dangerous levels of carbon monoxide. It features a high-sensitivity photoelectric sensor for smoke detection and an electrochemical CO sensor for carbon monoxide. The device includes an LCD display for real-time concentration readings, audible alarms, and LED indicators for power, alarm, and fault status.

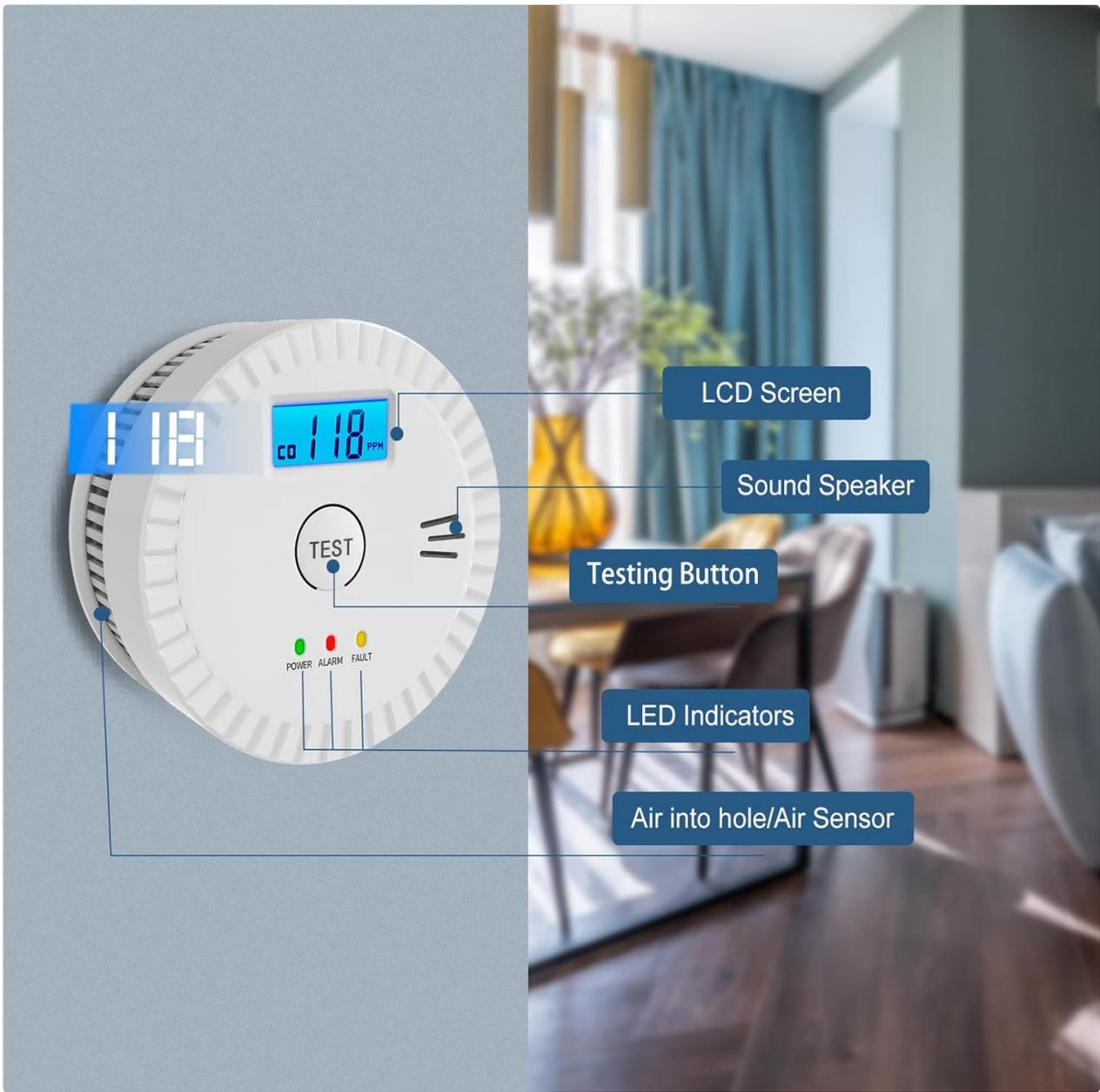


Image 1: Key components of the OLUNCLE OL0902U Smoke and Carbon Monoxide Detector, including the LCD screen, sound speaker, test button, LED indicators, and air sensor inlets.

2-in-1 Detection

Smoke and Carbon Monoxide Alarm



Image 2: The OLUNCLE OL0902U detector providing 2-in-1 smoke and carbon monoxide detection in a typical home environment.

2. FEATURES

- **2-in-1 Sensitive Alarm:** Detects both smoke and carbon monoxide using a high-sensitivity photoelectric sensor and an electrochemical CO sensor.
- **Alarm and LED Indication:** LCD displays real-time smoke and CO concentration. Triggers an audible alarm (over 85 decibels) and a flashing red LED when dangerous levels are detected.
- **Low Battery Warning:** Chirps once every 30 seconds to indicate a low battery, prompting replacement.
- **Easy to Install:** Designed for simple mounting on any wall or ceiling.
- **Test Button:** Allows for verification of battery and alarm operation.

3. SETUP AND INSTALLATION

The OLUNCLE OL0902U detector is designed for easy installation. It is suitable for various locations including bedrooms, kitchens, living rooms, basements, hotels, and offices.

3.1 Recommended Mounting Locations

For optimal performance, mount the alarm on a wall or ceiling. These locations help maximize the success of smoke or carbon monoxide entering the side inlets, ensuring faster and timely detection.



Image 3: Dimensions of the OLUNCLE OL0902U detector, useful for planning installation space.

3.2 Battery Installation

The detector is powered by 3 AAA batteries (included). To install:

1. Remove the mounting plate from the back of the detector by twisting it counter-clockwise.
2. Insert the 3 AAA batteries into the battery compartment, ensuring correct polarity (+/-).
3. The detector will emit a beep and the LCD screen will briefly light up, indicating successful battery installation.
4. Reattach the mounting plate by aligning it and twisting clockwise until it locks into place.

3.3 Mounting the Detector

Use the provided screws and anchors to secure the mounting plate to your chosen wall or ceiling location. Once the plate is secure, attach the detector to the plate by aligning the slots and twisting clockwise until it

clicks firmly into position.

Video 1: This video demonstrates the physical dimensions of the OLUNCLE OL0902U detector, showing its diameter and width, which is helpful for installation planning.

4. OPERATING INSTRUCTIONS

4.1 Normal Operation (Standby Mode)

In standby mode, the LCD screen will typically be blank to conserve battery power. The green power light will flash once every 60 seconds, indicating that the device is functioning normally.

Video 2: This video illustrates the standby mode of the detector, showing the green light flashing every 60 seconds to confirm normal operation.

4.2 Alarm and LED Indication

When smoke or carbon monoxide reaches its alarm sensitivity level, the detector will:

- Emit an audible alarm louder than 85 decibels.
- Flash the red LED indicator.
- The LCD display will show the real-time concentration of smoke or CO.

The alarm threshold is set to prevent false alarms. The alarm will only trigger when the concentration reaches the specified threshold (e.g., starting from 80 ppm for CO).

Video 3: This video demonstrates the normal working status and alarm threshold of the detector, showing how it reacts to increasing concentrations of detected substances.

4.3 Test Button

Press the 'TEST' button to verify the battery and alarm functionality. The device will emit a test alarm and display readings on the LCD.

5. MAINTENANCE

Regular maintenance is crucial for ensuring the smoke and carbon monoxide detector operates correctly.

- **Cleaning:** Clean the detector regularly (e.g., weekly) using a soft bristle brush or a vacuum cleaner to prevent grease and dust from blocking the sensors.
- **Placement in Dusty Areas:** If installed in areas with high grease and dust (e.g., kitchen, garage, hearth), ensure the product is placed at an appropriate distance from these sources to avoid sensor blockage.
- **Battery Replacement:** Replace batteries regularly, typically every 3 months, to maintain product sensitivity and prevent low battery warnings.
- **Avoid Chemicals:** Do not use detergents or other solvents to clean the unit. Do not paint the unit.

6. TROUBLESHOOTING

6.1 Continuous Beeping After Test/Alarm

If the detector beeps continuously after a smoke or CO test, the beeping will stop once the sensor's concentration recovers to safe levels. No manual reset is needed in this case.

6.2 Continuous Beeping Due to Misinformation or Fault

If the detector beeps continuously due to misinformation or a fault, or if it beeps upon initial battery installation (which can happen if factory test residual charge was not drained), try the following reset method:

1. Remove all batteries.
2. Press the test button several times to discharge any excess electricity.
3. Press and hold the test button while simultaneously reinstalling the batteries.
4. Continue holding the test button until the LED light flashes, then release. The detector should now recover to normal operation.

If the reset procedure does not resolve the issue, please contact customer support.

6.3 Low Battery Warning

The detector will chirp once every 30 seconds to indicate low battery power. Replace the batteries promptly to ensure continuous protection.

7. SPECIFICATIONS

Attribute	Value
Brand	OLUNCLE
Model Number	OL0902U
Power Source	Battery Powered
Battery Cell Type	Zinc Carbon (AAA)
Sensor Type	Photoelectric (Smoke), Electrochemical (CO)
Alarm Sound Level	Audible (>85 decibels)
Item Weight	11.2 ounces
Package Dimensions	5.16 x 4.92 x 3.58 inches

8. WARRANTY AND SUPPORT

If you encounter any problems with your OLUNCLE OL0902U Smoke and Carbon Monoxide Detector, please do not hesitate to contact us for assistance. We are committed to helping you resolve any issues.