

## YHOCO C203

# YHOCO Carbon Monoxide Detector C203 User Manual

Model: C203 | Brand: YHOCO

## 1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your YHOCO Carbon Monoxide (CO) Detector. Please read this manual thoroughly before using the device and retain it for future reference. This detector is designed to monitor carbon monoxide levels and alert occupants to potentially dangerous concentrations, contributing to a safer environment in your home or office.

## 2. IMPORTANT SAFETY INFORMATION

- This device is designed to detect carbon monoxide gas. It is not a smoke detector or a fire alarm.
- Carbon monoxide is an odorless, colorless, and tasteless gas that can be fatal.
- Regularly test the detector as instructed in this manual to ensure proper function.
- Do not paint the detector. Paint can clog the sensor openings and interfere with the detector's ability to detect CO.
- Ensure proper ventilation in areas where fuel-burning appliances are used.
- In case of an alarm, immediately move to fresh air and call emergency services.

## 3. PACKAGE CONTENTS

- 1 x YHOCO Carbon Monoxide Detector (Model C203)
- 2 x Mounting Screws
- 1 x User Manual

## 4. SETUP AND INSTALLATION

### 4.1 Battery Installation

The YHOCO C203 Carbon Monoxide Detector requires two (2) 1.5V AA batteries (not included) for operation. Ensure batteries are inserted with correct polarity.

1. Remove the mounting plate from the back of the detector by twisting it counter-clockwise.

2. Insert two (2) 1.5V AA batteries into the battery compartment, matching the positive (+) and negative (-) terminals correctly.
3. Replace the mounting plate by aligning it and twisting clockwise until it locks securely.

## Carbon Monoxide Detector

Installation on the wall or ceiling is not obtrusive and more beautiful

### 1 SPEAKERS

The speaker can emit an alarm sound of 85 decibels or more

### 2 LED DISPLAY

Led display better display content

### 3 CO SENSOR

CO-sensor Air inlet, DO NOT PAINT

### 4 3 LED INDICATOR

Indicator lights can be accurately distinguished at night

### 5 TEST/HUSH FUNCTION

Test if the speaker works and Eliminate speaker sound



FAULT



ALARM



POWER

Image: Rear view of the detector with the battery cover removed, illustrating the correct placement of two AA batteries.

### 4.2 Mounting the Detector

For optimal performance, install the detector on a wall or ceiling in areas where carbon monoxide may be present, such as near sleeping areas, living rooms, or kitchens. Avoid placing it directly above heat sources or in areas with high humidity.

1. Choose a suitable location, ensuring it is at least 1.5 meters (5 feet) away from fuel-burning appliances to avoid false alarms.
2. Use the provided screws to secure the mounting plate to the wall or ceiling.
3. Attach the detector to the secured mounting plate by aligning the detector with the plate and twisting clockwise until it clicks into place.

# PROTECT EVERY CORNER OF THE HOME



Image: The carbon monoxide detector securely mounted on a ceiling, demonstrating a typical installation scenario.

## 5. OPERATING INSTRUCTIONS

### 5.1 Digital Display and Indicators

The detector features an LED digital display and three indicator lights to provide status information:

- **LED Digital Display:** Shows carbon monoxide levels in parts per million (ppm) from 0-999ppm. A blue backlight activates when CO readings exceed 40ppm.
- **'Err' Message:** Indicates a device fault. The yellow LED light will flash, and the alarm will sound continuously.
- **'Lb' Message:** Low-battery indicator. Replace batteries promptly when this message appears.
- **FAULT Indicator (Yellow LED):** Illuminates for device errors.
- **ALARM Indicator (Red LED):** Flashes when dangerous CO levels are detected.
- **POWER Indicator (Green LED):** Flashes periodically to confirm the device is powered on and functioning correctly.



## PROTECT YOUR HOME 24 HOURS

85 db sound is loud enough to alarm everyone at home

Image: Labeled diagram highlighting the key components of the CO detector, including the display, indicators, and test button.

### 5.2 Alarm Function

When dangerous CO levels are detected, the red ALARM indicator will flash, and the buzzer will emit a loud 85dB sound alarm to alert occupants. The digital display will show the detected CO concentration.

### 5.3 Test/Hush Button

Press the 'TEST/HUSH' button to:

- **Test the Alarm:** Press and hold the button to initiate a self-test. The alarm will sound, and all indicators will flash, confirming proper operation.
- **Silence the Alarm:** In case of a non-emergency alarm (e.g., during testing), press the button to temporarily silence the alarm. The detector will continue to monitor CO levels.

## 6. CARBON MONOXIDE DETECTION LEVELS

The detector is designed to trigger an alarm based on specific CO concentration levels and exposure times:

- **70 PPM:** Alarm within 60-90 minutes.
- **150 PPM:** Alarm within 10-50 minutes.
- **400 PPM:** Alarm within 4-15 minutes.

# A Wider Range of CO Detection

The alarm will be triggered with the Co concentration



Image: Visual representation of CO detection thresholds and alarm response times.

## 7. MAINTENANCE

### 7.1 Regular Testing

Test your CO detector weekly by pressing the 'TEST/HUSH' button. This verifies the alarm circuit and ensures the device is functioning correctly.

### 7.2 Battery Replacement

When the 'Lb' indicator appears on the display, replace the two (2) 1.5V AA batteries immediately. Refer to section 4.1 for battery installation instructions.

### 7.3 Cleaning

Gently clean the exterior of the detector with a soft, damp cloth. Do not use cleaning agents or solvents, as these can damage the sensor or casing. Avoid painting the unit.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
'Err' displayed, yellow LED flashes, continuous alarm	Device fault or malfunction.	Replace the detector.
'Lb' displayed	Low battery.	Replace both AA batteries.
No display or power	Batteries incorrectly installed or depleted.	Check battery polarity or replace batteries.
Alarm sounds without visible CO source	Actual CO presence, or potential false alarm due to interference.	Evacuate to fresh air, call emergency services. If false, check placement and ventilation.

## 9. PRODUCT SPECIFICATIONS

Feature	Specification
Brand	YHOCO
Model Number	C203
Power Source	2 x 1.5V AA Batteries (Not Included)
Sensor Type	Electrochemical
Alarm Sound Level	85dB
CO Detection Range	0-999ppm
Product Dimensions	3.75 x 3.75 x 1.37 inches
Item Weight	4.5 ounces
Material	Plastic (ABS)
Operating Voltage	3 Volts (DC)

## 10. PLACEMENT RECOMMENDATIONS

The YHOCO C203 Carbon Monoxide Detector is suitable for various residential areas. Consider installing detectors in:

- Bedrooms
- Living Rooms
- Kitchens
- Attics
- Garages (if attached to living space)

Ensure the detector is not obstructed by furniture or curtains and is placed where the alarm can be heard by all occupants.

# PRODUCT SIZE

Power Supply  
2 x1.5 AA

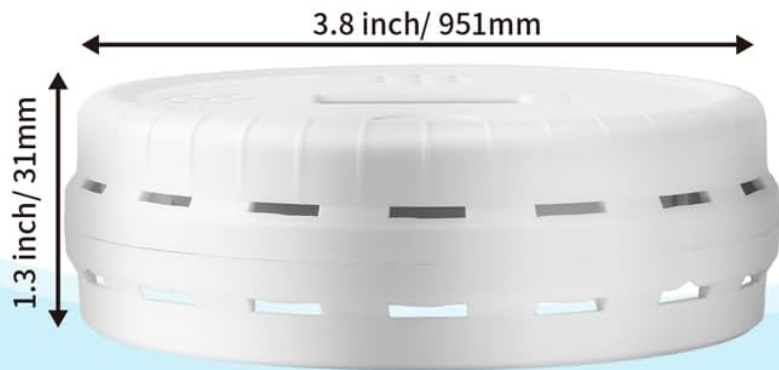


Image: Examples of suitable locations for installing the CO detector within a home.

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For support, please refer to the contact information provided with your purchase.