

## Kidde 7DCOC

# Kidde 7DCOC Digital Carbon Monoxide Alarm User Manual

Model: 7DCOC

## 1. INTRODUCTION

The Kidde 7DCOC Digital Carbon Monoxide Alarm is designed to continuously monitor for the presence of carbon monoxide (CO) gas. This device provides continuous protection against the effects of CO, a colorless, odorless, and poisonous gas. It features a digital display that shows detected CO levels and dual LED indicators for alarm and normal operation status. This alarm is suitable for use in homes, rented accommodation, caravans, and boats, complying with EN50291.2010 standards, Parts 1 and 2.

## 2. SAFETY INFORMATION

**Important:** This carbon monoxide alarm is designed to detect carbon monoxide gas from any source of combustion. It is not designed to detect smoke, fire, or any other gas. This product is intended for use in indoor residential areas. It is not suitable for installation in a hazardous location as defined in the National Electrical Code.

- Never ignore a CO alarm. Act immediately upon activation.
- Do not paint the alarm. Paint can clog the openings and interfere with the sensor's ability to detect CO.
- Test the alarm weekly using the Test/Reset button.
- Ensure proper ventilation in areas with combustion appliances.
- Replace the unit after 10 years from the manufacturing date or when the end-of-life warning is indicated.

## 3. PACKAGE CONTENTS

Verify that all items are present and undamaged:

- 1 x Kidde 7DCOC Digital Carbon Monoxide Alarm
- 3 x AA Alkaline Batteries (pre-installed or included separately)

- Mounting hardware (screws and wall plugs)
- User Manual (this document)

## 4. SETUP AND INSTALLATION

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### 4.1 Battery Installation

The Kidde 7DCOC alarm is battery-operated and requires 3 AA alkaline batteries. If batteries are not pre-installed, open the battery compartment on the back of the unit and insert the batteries, matching the polarity indicators (+ and -).

### 4.2 Choosing a Location

For optimal detection, install the CO alarm in the following locations:

- On every level of your home, especially near sleeping areas.
- Within 10 feet (3 meters) of fuel-burning appliances.
- In rooms where people spend a lot of time.

Avoid installing the alarm in:

- Garages, kitchens, furnace rooms, or bathrooms.
- Areas with extreme temperatures (below 0°C or above 40°C).
- Direct sunlight or near vents, doors, or windows.

### 4.3 Mounting the Alarm

The alarm can be wall-mounted or placed on a tabletop or shelf.

#### **For Wall Mounting:**

1. Select a suitable location on a wall, away from corners and obstructions.
2. Mark the positions for the two mounting screws using the alarm's keyhole slots as a template.
3. Drill two holes and insert the provided wall plugs.
4. Insert the screws, leaving a small gap between the screw head and the wall.
5. Align the keyhole slots on the back of the alarm with the screws and slide the alarm down to secure it.



Figure 1: Back view of the Kidde 7DCOC Carbon Monoxide Alarm, illustrating the mounting holes and battery compartment.

#### For Tabletop/Shelf Placement:

Simply place the alarm on a flat, stable surface in your chosen location. Ensure it is not easily knocked over and is within audible range of sleeping areas.



Figure 2: Front view of the Kidde 7DCOC Carbon Monoxide Alarm, showing the digital display, Test/Reset button, and LED indicators.

## 5. OPERATING INSTRUCTIONS

### 5.1 Power On

Once batteries are installed, the alarm will automatically power on and begin its initial self-test. The digital display will show '0 PPM' (parts per million) under normal conditions, and the green LED will flash periodically, indicating normal operation.

## 5.2 LED Indicators

- **Green LED:** Flashes approximately every 30 seconds, indicating normal operation and sufficient battery power.
- **Red LED:** Illuminates and flashes rapidly when the alarm detects dangerous levels of carbon monoxide.

## 5.3 Digital Display

The digital display continuously shows the detected carbon monoxide levels in PPM. In the absence of CO, it typically displays '0 PPM'.

## 5.4 Test/Reset Button

Press and hold the **Test/Reset** button to:

- Test the alarm's electronic circuit and horn. The alarm will sound, and the red LED will flash.
- Silence a sounding alarm for a short period (if CO levels are not critically high).

## 5.5 Alarm Conditions

When CO is detected at dangerous levels, the alarm will sound a loud intermittent horn, and the red LED will flash. The digital display will show the detected CO concentration. Follow these steps:

1. Immediately move to fresh air outdoors or open all doors and windows.
2. Call emergency services (fire department or 911/local equivalent).
3. Do not re-enter the premises until it has been aired out and the CO source has been identified and corrected.

# 6. MAINTENANCE

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## 6.1 Weekly Testing

Test your CO alarm weekly by pressing and holding the **Test/Reset** button until the alarm sounds. This confirms the unit's electronic circuitry and horn are functioning correctly.

## 6.2 Cleaning

Clean the alarm regularly to prevent dust and debris from accumulating. Use a soft, damp cloth to wipe the exterior. Do not use cleaning solvents or spray directly onto the alarm. Do not remove the cover or attempt to clean the interior.

## 6.3 Battery Replacement

The alarm will indicate a low battery condition with a chirp and a 'Lb' message on the digital display. Replace all three AA alkaline batteries immediately. Refer to section 4.1 for battery installation instructions.

## 6.4 End of Life Warning

The Kidde 7DCOC has a 10-year sensor life. After approximately 10 years from the date of manufacture, the unit will indicate an end-of-life warning (e.g., 'End' on the display or specific chirp pattern). When this occurs, the entire alarm unit must be replaced.



Figure 3: The Kidde 7DCOC Carbon Monoxide Alarm held in a hand, demonstrating its compact dimensions.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Alarm chirps periodically, displays 'Lb'	Low battery	Replace all 3 AA alkaline batteries.
Alarm sounds continuously, red LED flashes, display shows CO level	Carbon monoxide detected	Evacuate to fresh air, call emergency services. Do not re-enter until safe.
Alarm chirps periodically, displays 'End'	End of unit life (10 years)	Replace the entire alarm unit.
Alarm does not respond to Test/Reset button	Dead batteries or unit malfunction	Replace batteries. If problem persists, replace the unit.

## 8. SPECIFICATIONS

- **Model:** 7DCOC
- **Sensor Type:** Electrochemical Carbon Monoxide Sensor
- **Power Source:** 3 x AA Alkaline Batteries (Included)
- **Sensor Life:** 10 years
- **Alarm Type:** Visual and Audible
- **Operating Temperature:** 0°C to 40°C (32°F to 104°F)
- **Storage/Transport Temperature:** -20°C to 60°C (-4°F to 140°F)
- **Operating Humidity:** 10% - 95% Relative Humidity (RH), non-condensing
- **Product Dimensions:** 7 x 19 x 4 cm (2.76 x 7.48 x 1.57 inches)
- **Item Weight:** 200 g (0.44 lbs)
- **Compliance:** EN50291.2010 Parts 1 & 2, CE Certified
- **Manufacturer:** Kidde
- **GTIN (UPC):** 00047871096336

## 9. WARRANTY AND SUPPORT

Kidde provides a limited warranty for this carbon monoxide alarm. For specific warranty details, please refer to the documentation included with your product packaging or visit the official Kidde website. For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact Kidde customer

service through their official channels. Keep your purchase receipt as proof of purchase for warranty claims.