

[Manuals.plus](#) /

› [KOABBIT](#) /

› KOABBIT Plug-in Carbon Monoxide Detector User Manual

KOABBIT WA996

KOABBIT Plug-in Carbon Monoxide Detector User Manual

Model: WA996

INTRODUCTION

Thank you for choosing the KOABBIT Plug-in Carbon Monoxide Detector. This device is designed to provide continuous monitoring of carbon monoxide (CO) levels in your home or office, offering an audible alarm and digital display for enhanced safety. 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.

KEY FEATURES

- **New Upgraded Electrochemical Sensor:** Utilizes imported electrochemical sensors for reliable, responsive, and accurate readings, minimizing false alarms.
- **Easy Plug-and-Play Installation:** Designed for simple plug-in operation, eliminating complex installation procedures.
- **LED Digital Display:** Provides real-time monitoring and clear digital display of CO concentration levels (PPM), allowing quick assessment of environmental conditions.
- **85 Decibel Audible Alarm:** Emits a loud alarm exceeding 85 dB when CO concentration reaches dangerous levels, ensuring timely alerts.
- **Versatile Application:** Suitable for various indoor environments including bedrooms, kitchens, living rooms, bathrooms, apartments, garages, offices, restaurants, and hotels.
- **Compact and Portable Design:** Its plug-in design makes it easy to move and use in different locations.

AC PLUG - IN - FOR YOUR CONVENIENCE & SAFETY



Imported Electrochemical Sensor



Digital Display



>85DB Voice Alarm



Test/Reset Button



Alarm Indicator



Easy to install



Image: KOABBIT Carbon Monoxide Detector with callouts for its key features including the sensor, digital display, alarm, test button, and alarm indicator.

SAFETY INFORMATION

Please read and understand all safety instructions before operating your carbon monoxide detector. Failure to follow these instructions may result in property damage, injury, or death.

- **Placement:** Install the detector in areas where CO is likely to accumulate, such as near fuel-burning appliances, but not directly above them. Avoid placing it in dead air spaces or behind curtains.
- **Power Source:** Ensure the detector is plugged into a functional AC outlet. Do not use extension cords or power strips.
- **Alarm Response:** If the alarm sounds, immediately move to fresh air outdoors or open doors/windows to ventilate the area. Call emergency services (e.g., 911 or your local gas company) if symptoms persist or the alarm continues.
- **Regular Testing:** Test the detector weekly to ensure proper operation.
- **Do Not Paint:** Do not paint the detector as it may interfere with the sensor's operation.

- **Not a Smoke Detector:** This device is a carbon monoxide detector and does not detect smoke or fire.

Protects you and your family



COAL STOVE



GAS WATER HEATER



GAS STOVE

Image: The carbon monoxide detector positioned in a living room with a fireplace, illustrating its role in protecting against CO from various household sources such as coal stoves, gas water heaters, and gas stoves.

PRODUCT OVERVIEW

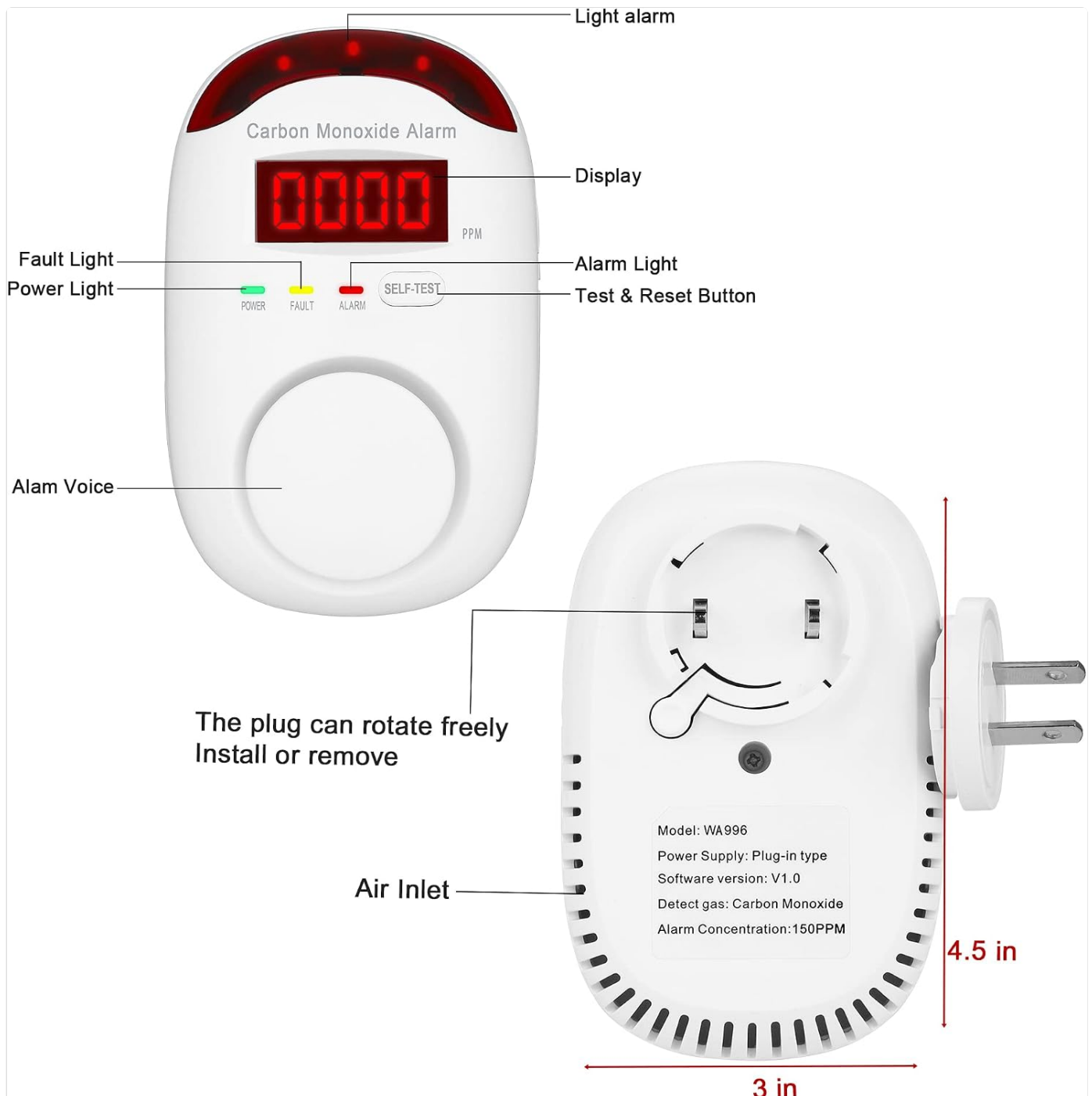


Image: Detailed diagram of the KOABBIT Carbon Monoxide Detector, labeling its components including the light alarm, digital display, fault light, power light, alarm light, test & reset button, alarm voice, and air inlet. The rotatable plug is also shown.

Light Alarm: Visual indicator for alarm status.

Digital Display: Shows CO concentration in PPM.

Power Light (Green): Indicates the device is powered on and functioning normally.

Fault Light (Yellow): Indicates a malfunction or error.

Alarm Light (Red): Flashes during a CO alarm.

Test & Reset Button: Used for self-testing and silencing alarms.

Alarm Voice: Emits an audible warning during an alarm.

Air Inlet: Where air samples are drawn for detection.

Rotatable Plug: Allows for flexible installation in various outlet orientations.

SETUP AND INSTALLATION

The KOABBIT Carbon Monoxide Detector is designed for simple plug-and-play installation.

1. **Unpack:** Carefully remove the detector from its packaging.
2. **Choose Location:** Select a suitable location for installation.
 - Near sleeping areas and on every level of your home.
 - Within 5-20 feet of fuel-burning appliances.
 - At least 15 feet away from cooking appliances to avoid false alarms from cooking fumes.
 - Plug into a standard AC wall outlet. The plug can rotate freely for convenience.
3. **Avoid:** Do not install in garages, dusty areas, or areas with high humidity. Avoid direct sunlight or areas near vents that could interfere with readings.
4. **Plug In:** Insert the detector directly into a standard 120V AC wall outlet. The unit will power on and begin its self-test sequence.

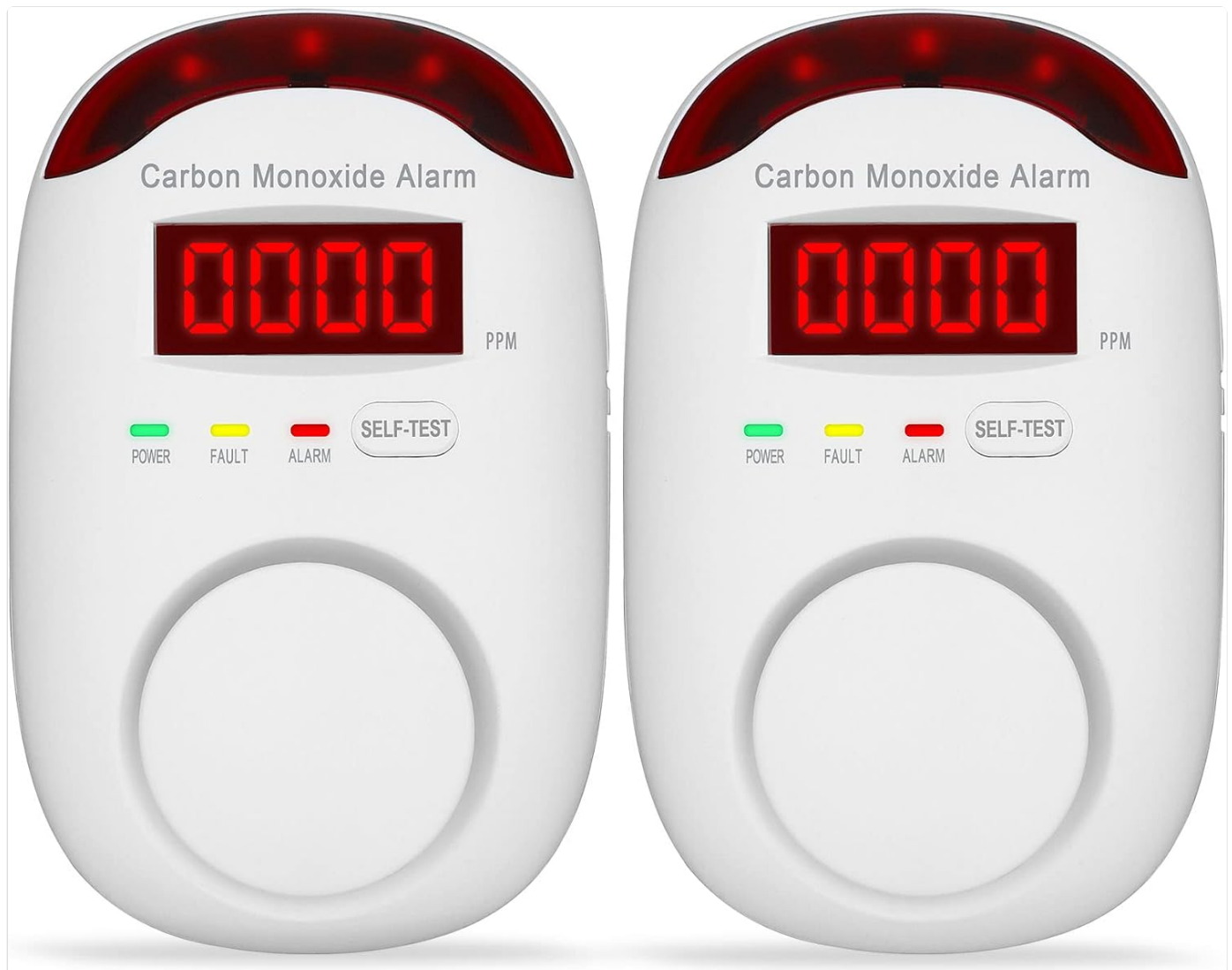


Image: Two KOABBIT Carbon Monoxide Detectors, illustrating their compact design and readiness for plug-in installation.

OPERATING INSTRUCTIONS

Power On and Self-Test

Upon plugging in the detector, it will perform a self-test. The digital display will show a countdown (e.g., "9999" decreasing) and the Power, Fault, and Alarm lights will cycle. Once the self-test is complete, the Power light will remain green, and the display will show "0000" indicating normal operation.

Normal Operation

In normal operation, the green Power light will be on, and the digital display will show "0000" PPM (parts per million) if no carbon monoxide is detected. The detector continuously monitors the CO levels in the air.

Alarm Conditions and Response

The detector is programmed to alarm at specific CO concentrations and exposure times:

CO Concentration (PPM)	Alarm Time
50 PPM	60-90 minutes
100 PPM	10-40 minutes
≥150 PPM	Within 3 seconds

When an alarm condition is met, the detector will:

- Emit a loud audible alarm (>85 dB).
- The red Alarm light will flash.
- The digital display will show the detected CO concentration.

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 CO has dissipated and the alarm has stopped.
4. Call emergency services or your gas company if the alarm continues or symptoms persist.

AC-PLUG-IN CO CONCENTRATION DETECTION

The following carbon monoxide concentrations will trigger an alarm



Image: An illustration demonstrating how different carbon monoxide concentration levels (PPM) and exposure durations trigger the alarm, with examples like 50 ppm for 60-90 minutes, 100 ppm for 10-40 minutes, and ≥ 150 ppm for 3 seconds.

MAINTENANCE

Testing the Detector

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

1. Press and hold the "SELF-TEST" button on the front of the detector.
2. The unit will initiate a self-test sequence, including an audible alarm and display changes.
3. Release the button once the test is complete. If the alarm sounds and the lights function as described, the unit is working properly.

Cleaning

Clean the detector regularly to prevent dust and debris from affecting its performance.

- Use a soft, damp cloth to wipe the exterior of the detector.
- Do not use cleaning solvents or harsh chemicals.
- Do not spray cleaning agents directly onto the detector.
- Gently vacuum around the air inlets to remove any accumulated dust.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Detector not powering on.	No power from outlet.	Check the outlet with another appliance. Ensure the outlet is live.
Fault light (yellow) is on.	Internal malfunction.	Unplug the unit for 30 seconds and plug it back in. If the fault persists, the unit may need replacement.
Alarm sounds frequently without apparent CO.	False alarm due to fumes (e.g., cooking, cleaning products) or sensor sensitivity.	Ventilate the area. Relocate the detector further from sources of fumes. Ensure proper ventilation in the room.
Digital display shows "Err" or other error codes.	Sensor error or internal fault.	Unplug and re-plug the unit. If the error persists, contact customer support or consider replacing the unit.

SPECIFICATIONS

Feature	Detail
Brand	KOABBIT
Model Number	WA996
Power Source	AC (Plug-in type)
Sensor Type	Electrochemical
Alarm Volume	>85 dB
Material	ABS
Color	White
Item Weight	0.8 ounces (22.68 g)
Package Dimensions	5.67 x 4.57 x 2.6 inches
Alarm Concentration	150 PPM (as per product image)

WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your KOABBIT Carbon Monoxide Detector, please refer to the manufacturer's official website or contact their customer service directly. Contact details are typically provided

on the product packaging or the manufacturer's website.