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› **Koabbit Carbon Monoxide Detector - Instruction Manual**

KOABBIT WA996

Koabbit Carbon Monoxide Detector

Model: WA996

1. INTRODUCTION

Thank you for choosing the Koabbit Carbon Monoxide Detector. This device is designed to provide continuous monitoring of carbon monoxide (CO) levels in your home or apartment, offering an audible alarm and visual warnings to help protect you and your family from the dangers of CO poisoning. Please read this manual thoroughly before installation and use to ensure proper operation and safety.

2. PRODUCT OVERVIEW

The Koabbit Carbon Monoxide Detector is a plug-in unit featuring a digital display and multiple indicators for clear status updates.

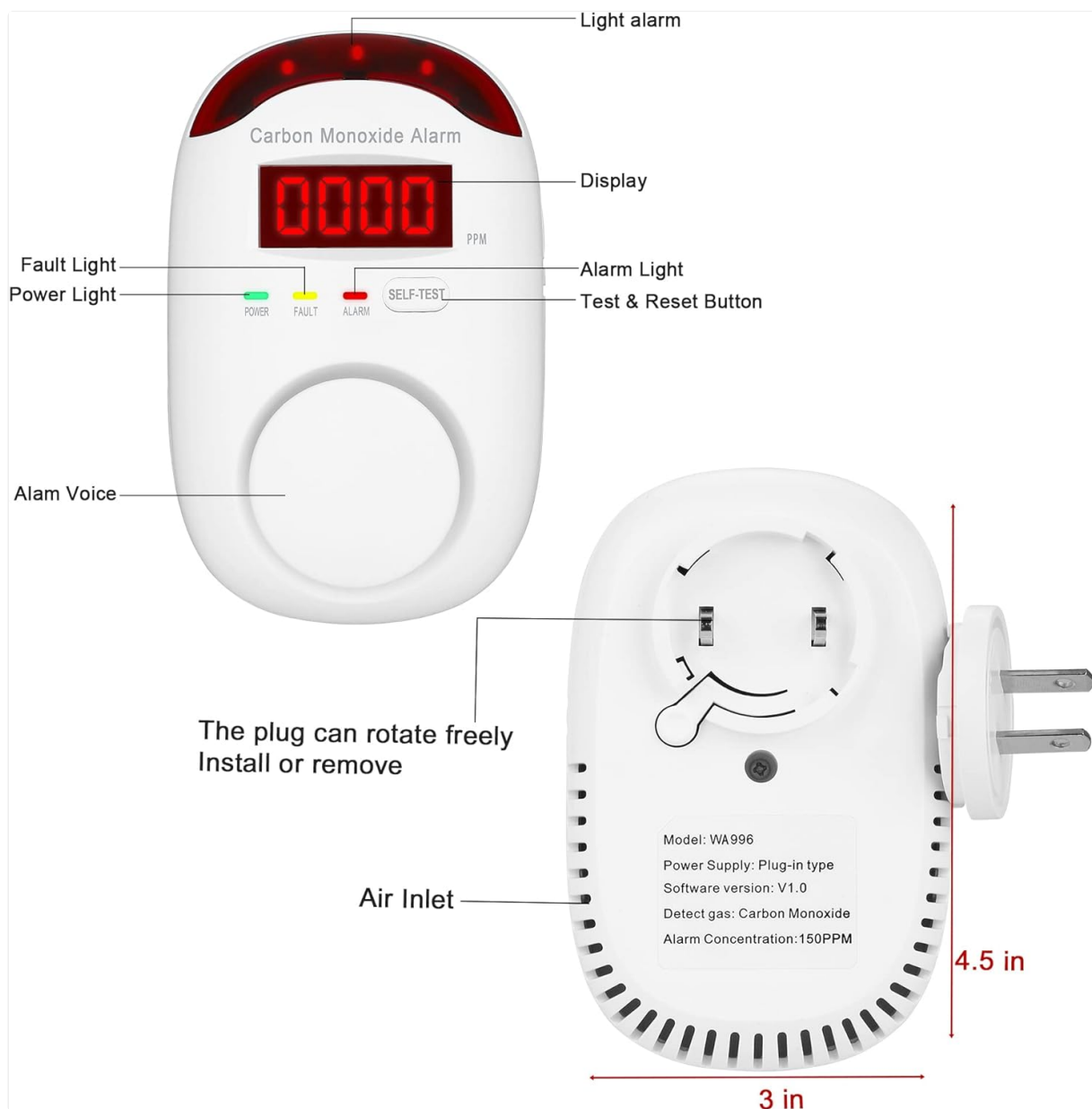


Figure 2.1: Front and back view of the Koabbit Carbon Monoxide Detector with key components labeled. This includes the light alarm, digital display, power light, fault light, alarm light, self-test button, alarm voice, rotatable plug, and air inlet.

Key Components:

- **Digital Display:** Shows real-time CO concentration in PPM (Parts Per Million).
- **Power Light (Green):** Indicates the device is powered on and functioning normally.
- **Fault Light (Yellow):** Indicates a malfunction or error with the device.
- **Alarm Light (Red):** Flashes when CO concentration reaches dangerous levels.
- **Self-Test Button:** Used to manually test the alarm's functionality.
- **Alarm Voice:** Emits an 85dB audible alarm when CO is detected.
- **Rotatable Plug:** Allows for flexible installation in various outlets.

3. FEATURES

- **New Upgrade of Carbon Monoxide Detectors:** Features imported electrochemical sensors for reliable and responsive readings, minimizing false alarms.
- **Easy to Use:** Simple plug-and-play design for quick installation.
- **LED Digital Display:** Provides real-time monitoring and display of CO readings for immediate

environmental awareness.

- **85 Decibels High Volume Alarm:** Activates an audible alarm exceeding 85 dB when CO concentration reaches a set threshold, ensuring prompt notification.
- **Wide Application:** Suitable for various locations including bedrooms, kitchens, living rooms, bathrooms, apartments, garages, offices, restaurants, and hotels.

4. SETUP

4.1 Choosing an Installation Location

For optimal performance and safety, consider the following when selecting a location for your CO detector:

- Install at least one detector on each level of your home, especially near sleeping areas.
- Place detectors where they will be heard by all occupants.
- Avoid placing the detector directly above or next to fuel-burning appliances.
- Do not install in areas with high humidity (e.g., bathrooms with showers) or extreme temperatures.
- Keep away from direct sunlight, vents, fans, and areas with heavy air currents that might prevent CO from reaching the sensor.
- Ensure the detector is not obstructed by furniture or curtains.

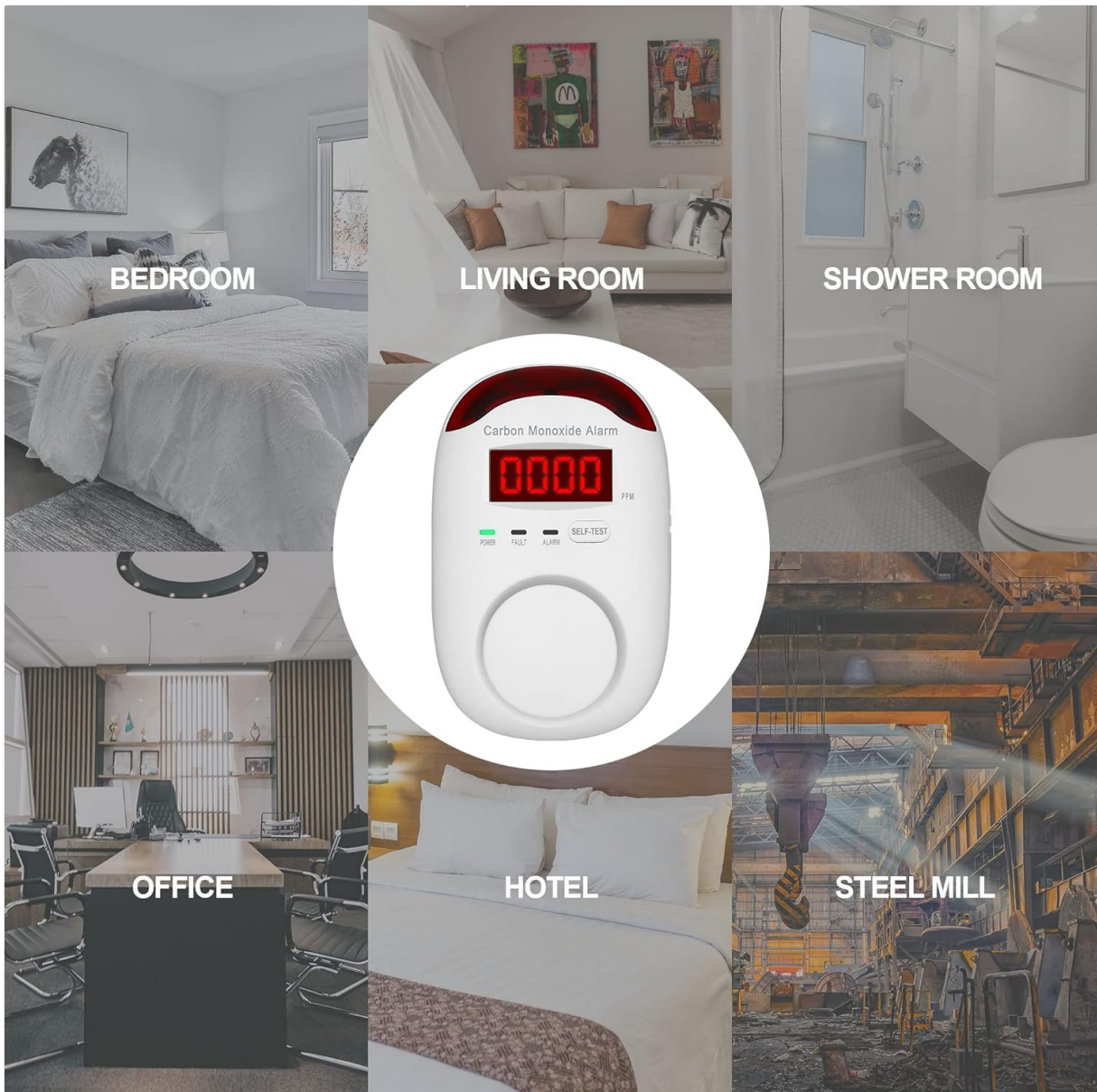


Figure 4.1: Examples of suitable locations for installing the CO detector, including bedrooms, living rooms, offices, and hotels.

4.2 Powering On

The Koabbit Carbon Monoxide Detector is a plug-in device. Simply insert the detector into a standard AC electrical outlet. The plug can rotate freely to accommodate different outlet orientations.



Figure 4.2: The Koabbit Carbon Monoxide Detector plugged into a wall outlet, showing its compact design and digital display.

4.3 Initial Self-Test

Upon plugging in, the detector will perform an automatic self-test. During this test, the digital display will cycle through numbers (e.g., 1111, 2222, etc.) and the alarm will sound briefly. This indicates that the unit is powering on correctly and its internal components are functioning. Once the test is complete, the display will show '0000' (or remain blank if no CO is detected) and the green 'POWER' light will illuminate.

5. OPERATING INSTRUCTIONS

5.1 Reading the Digital Display

The LED digital display shows the current carbon monoxide concentration in Parts Per Million (PPM). A

reading of '0000' indicates no detectable CO. Any other number indicates the presence of CO.

5.2 Alarm Conditions

The detector is programmed to alarm at specific CO concentration levels and durations:

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



Figure 5.1: Visual representation of CO concentration levels and their corresponding alarm triggers.

When an alarm is triggered, the red 'ALARM' light will flash, the digital display will show the detected CO level, and the 85dB audible alarm will sound. In case of an alarm, immediately move to fresh air and call emergency services.

5.3 Self-Test Procedure

To manually test the detector, press and hold the 'SELF-TEST' button. The alarm will sound, and the lights

will flash, confirming that the alarm and display are working correctly. Release the button to stop the test. It is recommended to perform a self-test weekly.

6. MAINTENANCE

Regular maintenance ensures the longevity and accuracy of your CO detector:

- **Cleaning:** Dust can accumulate on the detector and interfere with its operation. Gently vacuum or wipe the detector's exterior with a soft, damp cloth at least once a month. Do not use cleaning solvents or sprays directly on the unit.
- **Regular Testing:** Perform the self-test weekly as described in Section 5.3.
- **Avoid Obstruction:** Ensure that the air inlets on the detector are not blocked by dust, debris, or other objects.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No display/No power	Not properly plugged in; Power outage; Faulty outlet	Ensure unit is fully plugged in. Check power to the outlet. Try a different outlet.
Yellow 'FAULT' light is on	Internal malfunction; End of life	Unplug and re-plug the unit. If the light persists, the unit may be faulty and require replacement.
Alarm sounds frequently without high CO readings	False alarm; Interference; Sensor contamination	Relocate the detector away from sources of fumes (e.g., cleaning products, paint). Clean the detector as per maintenance instructions. If issues persist, consider replacement.
Alarm sounds with high CO readings	Actual CO presence	Immediately move to fresh air. Call emergency services (e.g., 911 or your local fire department). Do not re-enter the premises until cleared by professionals.

8. SPECIFICATIONS

- **Brand:** KOABBIT
- **Model Number:** WA996
- **Power Source:** AC Plug-in
- **Color:** White
- **Alarm Type:** Audible (85dB)
- **Sensor Type:** Electrochemical
- **Material:** ABS
- **Item Weight:** 3.52 ounces
- **Package Dimensions:** 4.57 x 2.87 x 2.72 inches
- **Manufacturer:** Shenzhen Wei'an Environmental Protection Electronic Technology Co., Ltd.

9. WARRANTY AND SUPPORT

For specific warranty information and customer support, please refer to the product packaging or contact Koabbit directly through their official channels. Keep your purchase receipt as proof of purchase for any warranty claims.

For more information and products, visit the [KOABBIT Store](#).

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