HEIMAN B0851P3WTH

HEIMAN Z-Wave Carbon Monoxide Detector User Manual

Model: B0851P3WTH

| Introduction | Safety | Setup | Operation | Maintenance Support | Troubleshooting | Specifications | Warranty & |

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your HEIMAN Z-Wave Carbon Monoxide Detector. This device is designed to detect carbon monoxide (CO) gas and alert you to its presence, integrating with your Z-Wave smart home system for enhanced safety. The HEIMAN Z-Wave Carbon Monoxide Detector is a compact, high-quality device, recognized as a Reddot winner in 2017. It operates on the Z-Wave 868.42 MHz frequency, suitable for the Europe version, and is compatible with various Z-Wave gateways such as Zipato, Fibaro, Vera, and SmartThings.

Figure 1: HEIMAN Z-Wave Carbon Monoxide Detector, front view.

2. IMPORTANT SAFETY INFORMATION

- This device is a carbon monoxide detector and is not designed to detect smoke, fire, or other gases.

- Do not paint the detector. Paint can clog the sensor openings and prevent the unit from functioning properly.

- Do not block the ventilation openings on the detector.

- Test the detector regularly as described in the "Operating" section.

- The detector requires a CR123A battery. Use only recommended battery types.

- Do not attempt to repair the device yourself. Refer all servicing to qualified personnel.

- Carbon monoxide is an invisible, odorless, and tasteless gas. This detector is designed to alert you to its presence, but it does not prevent CO from occurring.

3. SETUP AND INSTALLATION

3.1 Battery Installation

1. Twist the base of the detector counter-clockwise to open the battery compartment.

2. Insert one CR123A battery into the compartment, ensuring correct polarity (+/-).

3. Remove the protective pull tab if present.

4. Close the battery compartment by aligning the base and twisting clockwise until it clicks securely.

preheating. Red led flashes and four beeps: CO alarm. Green led flash evey 50s: normal detection. Single beep evey 50s:low battery. Two beeps evey 10s: malfunction only. Red led flashes evey 10s: CO alarm and silent.

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Figure 2: Rear view of the detector with the battery compartment open, showing the CR123A battery.

Figure 3: Inserting the CR123A battery into the detector.

3.2 Mounting the Detector

The detector can be mounted on a wall or ceiling. Carbon monoxide is slightly lighter than air and mixes readily with it. For optimal detection, install the detector:

- In or near sleeping areas.
- On every level of your home.
- At least 1.5 meters (5 feet) from fuel-burning appliances.
- Avoid mounting in corners, near windows, doors, or areas with high airflow.

1. Choose a suitable location.
2. Use the provided screws and anchors to secure the mounting plate to the wall or ceiling.
3. Attach the detector to the mounting plate by aligning it and twisting clockwise until it locks into place.

Figure 4: HEIMAN Z-Wave Carbon Monoxide Detector mounted on a ceiling.

3.3 Z-Wave Network Inclusion/Exclusion

To integrate the detector into your Z-Wave network:

1. Put your Z-Wave gateway into inclusion (pairing) mode. Refer to your gateway's manual for specific instructions.
2. Press the Z-Wave button on the detector three times quickly. The detector will send an inclusion request to the gateway.
3. Once successfully included, the detector will appear in your gateway's device list.
4. To exclude the device, put your Z-Wave gateway into exclusion mode and press the Z-Wave button on the detector three times quickly.

4. OPERATION

4.1 LED Indicators and Sound Patterns

The detector uses a combination of LED flashes and beeps to indicate its status:

- **Preheating:** Red LED flashes and four beeps.
- **CO Alarm:** Green LED flashes every 50 seconds.
- **Normal Detection:** Single beep every 50 seconds.
- **Low Battery:** Two beeps every 10 seconds.
- **Malfunction:** Red LED flashes every 10 seconds, with CO alarm and silent.

Note: The text on the battery in Figure 2 provides a summary of these indicators.

4.2 Testing the Detector

It is recommended to test your CO detector weekly to ensure proper operation.

1. Press and hold the test button on the detector for a few seconds.
2. The detector will emit a series of loud beeps and the LED will flash, indicating that the alarm and sensor are functioning correctly.
3. Release the button. The detector will return to normal operation.

5. MAINTENANCE

5.1 Battery Replacement

The detector is powered by one CR123A battery with an estimated lifespan of 3 years. When the battery is low, the detector will emit two beeps every 10 seconds. Replace the battery immediately when this occurs.

1. Twist the base of the detector counter-clockwise to open the battery compartment.
2. Remove the old CR123A battery.
3. Insert a new CR123A battery, observing correct polarity.
4. Close the battery compartment by twisting clockwise until it clicks securely.
5. Test the detector after battery replacement.

5.2 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 agents or solvents.
- Do not paint the detector.
- Gently vacuum around the sensor openings with a soft brush attachment to remove dust.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Detector does not respond during test.	Low or dead battery; device malfunction.	Replace battery. If problem persists, contact support.
Detector beeps twice every 10 seconds.	Low battery.	Replace the CR123A battery.
Detector not pairing with Z-Wave gateway.	Gateway not in inclusion mode; device too far from gateway; interference.	Ensure gateway is in inclusion mode. Move detector closer to gateway. Try excluding and re-including.

Problem	Possible Cause	Solution
False alarms.	Improper placement (e.g., near cooking fumes, high humidity); sensor contamination.	Relocate the detector. Clean the detector as per maintenance instructions.

7. SPECIFICATIONS

Brand: HEIMAN

Model: B0851P3WTH

Power Source: 1 x CR123A Battery

Battery Life: Approximately 3 years

Sensor Type: Electrochemical

Z-Wave Frequency: 868.42 MHz (Europe Version)

Compatibility: Z-Wave Plus certified gateways (e.g., Zipato, Fibaro, Vera, SmartThings)

Style: Modern

Manufacturer: HEIMAN

UPC: 345932281906

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official HEIMAN website or contact your local distributor. Keep your purchase receipt as proof of purchase.