

Gedsffati HD08

Gedsffati HD08-G-B Gas and Carbon Monoxide Detector User Manual

Model: HD08-G-B | Brand: Gedsffati

1. INTRODUCTION

The Gedsffati HD08-G-B is a combined gas and carbon monoxide (CO) detector designed for household use. This device continuously monitors the levels of carbon monoxide and various combustible gases, including natural gas, liquefied petroleum gas (LPG), methane (CH₄), ethane (C₂H₆), propane (C₃H₈), and butane (C₄H₁₀). It features high-precision sensors for rapid and accurate detection, with a sensor lifespan of approximately 5 years. In addition to gas detection, the HD08-G-B also measures and displays ambient temperature and humidity.

This manual provides essential information for the proper setup, operation, and maintenance of your Gedsffati HD08-G-B detector to ensure its optimal performance and your safety.

2. PRODUCT FEATURES

- **Combined Detection:** Monitors both carbon monoxide (CO) and combustible gases.
- **High-Performance Sensors:** Utilizes electrochemical and semiconductor resistance change principles for quick and accurate detection.
- **Real-time Monitoring:** Sensors operate every 2 seconds for near real-time detection.
- **Multi-function Display:** Shows CO concentration, gas levels, temperature, and humidity.
- **Audible and Visual Alarms:** Provides distinct alarms for different gas concentrations.
- **Integrated Rechargeable Battery:** 1000 mAh lithium battery provides backup power for approximately 8 hours during power outages.
- **Plug and Play:** Easy installation by simply plugging into a standard electrical outlet.

3. SETUP AND INSTALLATION

The Gedsffati HD08-G-B detector is designed for simple installation. Follow these steps:

1. **Unpack the Device:** Carefully remove the detector from its packaging.
2. **Choose a Location:** Select a suitable location for installation. For optimal detection, place the detector in areas where gas leaks or CO accumulation are most likely, such as near gas appliances (stoves, water heaters) or in living areas. Avoid placing it directly above heat sources, near windows,

or in areas with high humidity.

3. **Plug In:** Insert the detector directly into a standard AC 100-240V/50-60Hz electrical outlet. The device will automatically power on and begin monitoring.
4. **Initial Self-Test:** Upon first power-up, the device may perform an automatic self-test. Observe the display for any error indicators.



Image 1: Front and rear view of the Gedsffati HD08-G-B detector, illustrating its compact design and plug for direct insertion into an electrical outlet.

DIRECT INSERTION COMBINED CARBON MONOXIDE DETECTOR

Real time monitoring of gas concentration

high precision sensors

High definition colorful large screen

Audible and visual alarm

Fault self check

Plug and play

NEW



Image 2: The Gedsffati HD08-G-B detector in operation, plugged into a wall socket, showcasing its real-time monitoring capabilities for CO and combustible gas concentrations.

4. OPERATING INSTRUCTIONS

4.1. Button Functions

The device features three control buttons on the front panel:

- **H Button:**
 - Short press: Changes the screen brightness.
- **O Button:**
 - Short press: Initiates a self-test.
 - Long press: Powers the device on or off.
- **D Button:**
 - Short press: Toggles the buzzer (audible alarm) on or off.
 - Long press: Changes the temperature unit (e.g., Celsius to Fahrenheit).

SOUND AND LIGHT ALARM TO PREVENT DANGER

One click start for real-time monitoring



Image 3: Detailed view of the detector's display and the three control buttons (H, O, D) located at the bottom, used for various settings and functions.

4.2. Alarm Functions

The device provides distinct visual and audible alarms based on detected gas concentrations:

4.2.1. Carbon Monoxide (CO) Alarm

- **0-50 ppm:** No alarm. The CO icon on the display remains green.
- **51-200 ppm:** The device emits an audible alarm every 3 minutes. The CO icon turns yellow and flashes.
- **201-999 ppm:** The device emits a continuous audible alarm. The CO icon turns red and flashes.

4.2.2. Flammable Gas Alarm

- **No Combustible Gas:** No alarm. The green combustible gas icon flashes.
- **Low Concentration:** The device emits an audible alarm every 3 minutes. The yellow combustible gas icon flashes.
- **Medium Concentration:** The device emits an audible alarm every 3 minutes. The orange combustible gas icon flashes.
- **High Concentration:** The device emits a continuous audible alarm. The red combustible gas icon flashes.

INTELLIGENT POWER INDICATOR LIGHT

Self testing fault is clear at a glance

Green light (screen off and indicator light on)

Indicates normal operation and gas concentration monitoring.

Red light (alarm)

There is a mute error or sensor malfunction.

Short press to self test



Image 4: The detector displaying an alarm condition, with CO levels at 225 PPM and gas detection, accompanied by visual and audible alerts to indicate potential danger.

2.1 INCH HD COLOR SCREEN DISPLAY

Combustible/CO concentration is clear and clear

IPS

Ultra broad
perspective

240*296

resolving
power

HD Display

Fashionable
color screen



Image 5: The detector in a normal operating state, indicated by a green light, showing low CO concentration (45 PPM) and normal gas levels. A short press on the 'O' button initiates a self-test.

4.3. Battery Backup

The Gedsffati HD08-G-B includes a built-in 1000 mAh lithium battery. In the event of a power outage, the device will automatically switch to battery power, providing approximately 8 hours of continuous operation. This ensures uninterrupted monitoring even when AC power is unavailable.

BUILT-IN BACKUP BATTERY



1000 mAh
Rechargeable
Power outage emergency
9-10h battery life

Image 6: Illustration of the detector's built-in rechargeable battery, emphasizing its 1000 mAh capacity and ability to provide backup power for 9-10 hours during electrical outages.

5. MAINTENANCE

- **Regular Cleaning:** Gently wipe the exterior of the detector with a soft, dry cloth to remove dust. Do not use cleaning agents or solvents.
- **Self-Test:** Perform a self-test regularly (e.g., monthly) by short-pressing the 'O' button to ensure the sensors and alarm functions are working correctly.
- **Sensor Lifespan:** The sensors in this device have an approximate lifespan of 5 years. After this period, consider replacing the unit to ensure continued accuracy and reliability.
- **Battery Charging:** Ensure the device remains plugged into an AC outlet to keep the internal battery charged.

6. TROUBLESHOOTING

If the detector alarms or displays an error, follow these guidelines:

- **Alarm Sounds:**
 - If the CO alarm sounds, immediately move to fresh air and call emergency services. Do not re-enter the area until it has been deemed safe by professionals.
 - If the combustible gas alarm sounds, immediately turn off all gas appliances, open windows and doors to ventilate the area, and contact your gas provider or emergency services.

- **Error Indication (Red Light/Mute Error):** If the device displays a red light or indicates a "mute error" or sensor malfunction, perform a self-test by short-pressing the 'O' button. If the error persists, the device may require service or replacement.
- **No Display/Power:** Ensure the device is securely plugged into a working electrical outlet. If operating on battery, ensure the battery is charged.

7. SPECIFICATIONS

Model	HD08
Detectable Combustible Gases	Natural gas, LPG, methane (CH ₄), ethane (C ₂ H ₆), propane (C ₃ H ₈), butane (C ₄ H ₁₀), etc.
Carbon Monoxide Measurement Range	0-999 ppm (± 5%)
Temperature Measurement Range	-10 °C to 50 °C / 14 °F to 122 °F (± 3%)
Humidity Measurement Range	5% to 95% RH (± 5%)
Sensor Detection Frequency	Once every 2 seconds
Power Supply	AC 100-240 V / 50-60 Hz
Integrated Lithium Battery	1000 mAh (3.7 Wh @ 3.7 V)
Operating Voltage and Current	5 V / 1 A
Working Environment	-10 °C to 60 °C / 14 °F to 140 °F, 20% to 80% RH
Dimensions (L x W x H)	8.5 x 5.1 x 3.3 cm
Weight	60 Grams
Material	ABS Plastic
UPC	747086495466

HIGH PRECISION SENSORS

Sensitive and stable
detection performance



Image 7: An exploded diagram illustrating the internal structure and high-precision sensors of the Gedsffati HD08-G-B detector, highlighting its advanced technology.

8. SAFETY INFORMATION

Please read and understand all safety information before using this product:

- This device is intended for household use only.
- Do not paint the detector. Paint can clog the sensor openings and prevent the unit from functioning properly.
- Do not block the ventilation openings of the detector.
- Test the detector regularly as described in the maintenance section.
- This device is not a substitute for proper installation, use, and maintenance of fuel-burning appliances, including appropriate ventilation and exhaust systems.
- Do not ignore any alarms. Investigate the cause immediately.
- Keep out of reach of children.

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation included with your

purchase or contact Gedsffati customer service. Keep your purchase receipt as proof of purchase.