

Gedsffati HD12

Gedsffati HD12-CG 4-in-1 Carbon Monoxide and Combustible Gas Detector Instruction Manual

1. PRODUCT OVERVIEW

The Gedsffati HD12-CG is a versatile 4-in-1 detector designed to monitor environmental safety. It integrates sensors for carbon monoxide (CO), combustible gases (such as natural gas, propane, methane, coal gas, gasoline, hexane, butane, benzene, ethylene oxide, acetylene, LPG, and LNG), temperature, and humidity. This device provides real-time detection and alerts to help ensure safety in various indoor environments.

Key features include:

- **Integrated Sensors:** Monitors carbon monoxide, combustible gases, temperature, and humidity.
- **Plug-and-Play Design:** Compatible with US standard 110V to 240V AC outlets for easy installation.
- **Backup Battery:** Built-in 1000 mAh rechargeable lithium battery provides 12-16 hours of operation during power outages.
- **HD Screen Display:** A 2.1-inch high-definition screen dynamically displays CO levels (ppm), combustible gas warnings, humidity, temperature, and device status.
- **Audible and Visual Alarms:** Features an 85 dB audible alarm and visual indicators for gas detection.



Image 1.1: Front and back view of the Gedsffati HD12-CG detector, showing the display and the rotatable US plug.

SUITABLE FOR VARIOUS OCCASIONS

Widely applicable and essential for security



Image 1.2: The Gedsffati HD12-CG detector shown in various application environments, including a home, hotel room, and office, highlighting its versatility.

2. SETUP INSTRUCTIONS

Follow these steps to set up your Gedsffati HD12-CG detector:

1. **Unpack the Device:** Carefully remove the detector and any accessories from the packaging.
2. **Initial Charge:** Although the device is plug-and-play, it is recommended to fully charge the built-in backup battery before first use. Connect the provided USB cable to the detector's charging port and a suitable USB power adapter (not included). The battery icon on the screen will indicate charging status.
3. **Plug Orientation:** The US plug is rotatable. Adjust it to fit your wall outlet vertically or horizontally as needed.
4. **Placement:** Plug the detector into a standard 110V-240V AC outlet. For optimal detection, place the device in areas where carbon monoxide or combustible gas leaks are possible, such as near gas appliances, furnaces, water heaters, or in living areas and bedrooms. Avoid placing it directly above heat sources, in direct sunlight, or in areas with high humidity or airflow that could interfere with sensor readings. It is recommended to install one detector on each level of your home.

5. **Power On:** Once plugged in, the device will automatically power on and begin its self-check process. The HD screen will illuminate and display current readings.

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 2.1: The Gedsffati HD12-CG detector shown plugged directly into a wall outlet, illustrating its direct insertion design.

3. OPERATING INSTRUCTIONS

The HD12-CG detector is designed for continuous monitoring. Here's how to understand and interact with its functions:

3.1. Screen Display

The 2.1-inch HD screen provides real-time information:

- **CO PPM:** Displays the concentration of carbon monoxide in parts per million.
- **GAS Icon:** A flame icon indicates the presence of combustible gas.
- **Humidity:** Shows the current relative humidity percentage.

- **Temperature:** Displays the ambient temperature in Fahrenheit or Celsius (check settings for unit).
- **Battery Indicator:** Shows the current battery level.
- **Sound Icon:** Indicates if the audible alarm is enabled or muted.
- **Moon Icon:** Indicates night mode or screen-off status.

2.8 INCH HD COLOR SCREEN DISPLAY

Combustible gas/CO concentration is clear and clear

IPS

Ultra broad perspective

240*296

resolving power

HD Display

Fashionable color screen



Image 3.1: A detailed view of the detector's HD color screen, showing various real-time readings and icons.

3.2. Buttons and Functions

The device features three buttons on the front panel:

- **Left Button (Brightness/Mode):** Short press to adjust screen brightness or cycle through display modes (if applicable).
- **Middle Button (Power/Self-Test):** Press and hold to power the device on or off. A short press initiates a self-test of the sensors and alarm.
- **Right Button (Mute/Alarm Test):** Short press to temporarily mute an active alarm. Press and hold to perform an alarm sound test.

3.3. Alarm Indications

When hazardous levels of CO or combustible gas are detected, the device will activate both audible and visual alarms:

- **Audible Alarm:** A loud 85 dB siren will sound.
- **Visual Alarm:** The screen will display elevated CO ppm levels or a flashing gas icon, and an indicator light (typically red) will flash.

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 3.2: The detector's intelligent power indicator light, showing green for normal operation and red for alarm or malfunction. The image also indicates the 'short press to self test' function.

4. MAINTENANCE

Regular maintenance ensures the optimal performance and longevity of your Gedsffati HD12-CG detector:

- **Cleaning:** Gently wipe the exterior of the detector with a soft, dry cloth. Do not use cleaning sprays, polishes, or chemicals as these can damage the sensors or casing. Ensure ventilation holes are clear of dust and debris.
- **Battery Maintenance:** The built-in lithium battery provides backup power. Ensure the device is regularly

plugged into an AC outlet to keep the battery charged. If operating solely on battery, monitor the battery indicator and recharge as needed.

- **Regular Testing:** Perform a self-test weekly by short-pressing the middle (power) button or pressing and holding the right (mute/alarm test) button to verify the alarm sound. This confirms the sensors and alarm are functioning correctly.
- **Avoid Obstructions:** Ensure that nothing obstructs the ventilation holes on the device, as this can impair its ability to detect gases accurately.

5. TROUBLESHOOTING

If you encounter issues with your detector, refer to the following common troubleshooting steps:

- **False Alarms:** Ensure the detector is not placed near sources of fumes (e.g., cooking, cleaning products, paint), high humidity, or strong drafts, which can sometimes trigger false alarms. Ventilate the area and observe if the alarm resets.
- **No Display/No Power:** Verify the device is securely plugged into a working AC outlet. If operating on battery, ensure the battery is charged. If the issue persists, try a different outlet or charging cable.
- **No Alarm During Test:** If the self-test or alarm test does not produce an audible alarm or visual indication, the device may be malfunctioning. Ensure the sound icon on the screen is not indicating a muted state.
- **Red Indicator Light:** A persistent red indicator light (as shown in Image 3.2) suggests a mute error or sensor malfunction. Refer to the operating instructions for self-test procedures. If the error persists after a self-test and clearing any potential gas sources, the device may require service.
- **Inaccurate Readings:** Ensure the device is placed in an appropriate location, away from extreme temperatures, direct sunlight, or areas with poor air circulation. Clean the ventilation holes if necessary.

If troubleshooting steps do not resolve the issue, please contact customer support.

6. SPECIFICATIONS

Feature	Specification
Product Model	HD12
Input Voltage	AC 100-240V / 50-60Hz
Built-in Battery	1000mAh (3.7V) Lithium Ion
Working Voltage & Current	5V / 1A
Dimensions	2.2 x 0.7 x 3.5 inches
Item Weight	0.24 ounces (approx. 6.8 g)
Wattage	5 watts

Usage Environment	Indoor
Alarm Loudness	85 dB
Screen Size	2.1-inch HD Screen
Manufacturer	Shenzhen Huidu Technology Co., Ltd.
UPC	758321266932

HIGH PRECISION SENSORS

Sensitive and stable
detection performance



Image 6.1: An internal view of the detector, highlighting its high-precision sensors and built-in battery for sensitive and stable detection performance.

3D POROUS AIR DUCT DESIGN

Accurate gas detection



Image 6.2: A diagram illustrating the 3D porous air duct design of the detector, which facilitates accurate gas detection.

7. WARRANTY AND SUPPORT

Warranty: The Gedsffati HD12-CG detector comes with a 5-year free exchange warranty for any quality issues.

Customer Support: For any problems or questions regarding the use of your product, please feel free to contact us. Your satisfaction is our primary goal.

Contact information can typically be found on the product packaging or the official Gedsffati website.

