ZINOOLY



USER MANUAL

RV CO&Propane Gas Alarm

Please read and save this manual.

⚠WARNING

To prevent accidents and product damage, please pay attention to the following:

1. Use this device according to the manufacturer's instructions. If you have any questions, please contact the manufacturer.
2. Installation engineering and electrical wiring must be completed by qualified personnel in accordance with all applicable codes and standards.
3. The product should not be used outdoors to avoid damage to product functionality caused by rainwater contact.
4. Cannot be used to seal products; it needs to be exposed to air to trigger an alarm.
5. Do not install in a confined space to avoid not hearing the alarm sound.
6. Try to get as close as possible to the location that needs to be alarmed to increase sensitivity.
7. This product requires a DC12V power supply to operate.

INSTRUCTION

NOTICE In order that you can use this product more safely and get full play to its functions and features, please read the operating instructions carefully before using this unit and keep it properly.

The instrument utilizes high-sensitivity semiconductor and high-precision electrochemical sensors, which can quickly detect the concentration of propane and carbon monoxide. If the product detects that air propane and carbon monoxide levels have reached an alarm value, it will automatically send out sound and light signals as prompts.

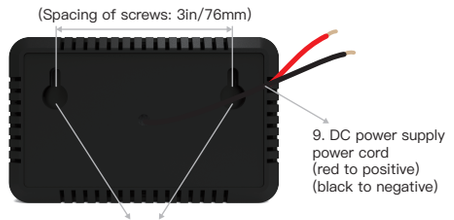
1. Function Overview

A. High-Sensitivity
B. Sound and Light Alarm
C. Concentration Display
D. % LEL/PPM Unit Switching
E. Backlight Function

2. Product Description

1. Carbon monoxide light
2. Buzzer on/off button
3. Carbon monoxide detection probe
4. LCD display
5. Propane detection probe
7. Propane light
6. Unit conversion/zero button
8. Hanging fixing holes
9. DC power supply power cord (red to positive) (black to negative)





3. Installation Instructions

1). This propane and carbon monoxide gas detector is powered by an external DC 12 V power. The red power cord represents the positive electrode (+). The black power cord represents the negative electrode (–).

2). Please fix the instrument to the wall (fixed by EVA stickersor screws. The spacing between the screws is 76 mm)

3). This propane and carbon monoxide gas alarm is suitable for installation in recreational vehicles or near potential sources of gas leakage. Potential sources of leak are cooking stoves, ovens, water heaters, central heaters. Caution: Because propane is heavier than air, the product should not be installed too high. It is recommended to install it 4~ 20 inches from the ground.

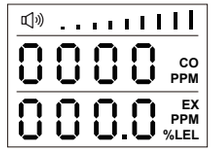
4). Inappropriate places for installation:
① Where airflow into the detector is blocked. For example, behind furniture or curtains, inside of the closet, etc.
② Exterior of windows and doors, heating vents, etc.

4. Screen Display Instructions

Once the product has powered on, the screen will display a 180-second countdown.



After the countdown ends, the screen will display the relevant information.



5. Alarm Instructions

1).The carbon monoxide alarm data is ⩾35 PPM, the program starts to alert, the screen displays the carbon monoxide detection value, the screen flashes red, and the carbon monoxide indicator light turns red.

2). The propane alarm data is ⩾5% LEL or ⩾1100PPM, the rogram starts to alert. The screen displays the propane detection value, the screen flashes red, and the propane indicator light turns on the red light.

Please keep this manual for future reference.

6. Operating Instructions

1). When the 12 V DC power supply is properly connected, the buzzer will sound once and the LCD screen will light up. The product then enters a 180-second countdown and is ready to run. When the countdown has completed, the buzzer will sound twice. If the screen displays 0.0% LEL/0 PPM, it means the instrument has entered normal working status. (LEL indicates propane value, PPM indicates carbon monoxide value.)

2). Press any key to turn the screen on. If there is no button operation, the back light function will automatically turn off after a 30-second delay.

3). In the measurement state, short press the " " button to switch the propane unit % LEL and PPM. (Default unit % LEL)

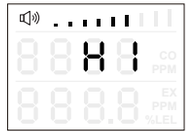
4). Press the " " button to turn on/off the beep sound. If the instrument is in the "sound alarm" state, short press the " " button to silence the sound alarm for 60 s. (The red light remains on and the screen flashes) If the alarm condition still exists after 60 seconds, the audible alarm will sound again.

5). When the instrument detects that the propane value is greater than 20% LEL or 4400 PPM or the carbon monoxide value exceeds 500 PPM, the corresponding LCD display area will display HI, indicating that the instrument's maximum range has been exceeded.t

7. Specification

Product Specifications		
Brand	Dirlexal	
Model	DE201	
Appearance Color	Black, yellow, blue, gray (5 colors)	
Gas Type	Propane	Carbon monoxide
Display Screen	Digital display screen	
Detection Range	0–20% LEL 0–4400 PPM	0–500 PPM
Unit Switching	/	%LEL/PPM
Minimum Value	0.1% LEL(1PPM)	1PPM
Over-High Alarm Code	H1	
Fault Code	(----)	
Operating Environment	5–113 °F (10%–95%RH)	
Gas Type	12 V DC	
Power Cord	Exposed 250mm length	
Product dimensions	117×72×23mm	

8. Fault Code

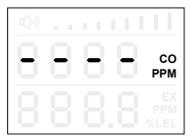


Carbon Monoxide H1 Code

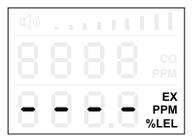


Propane H1 Code

When the carbon monoxide level is ⩾500 PPM, the H1 code displays. When the propane level is ⩾20% LEL or 4400 PPM, the H1 code also displays. Each value shows independently during detection. If both values exceed the limit, both will display together. When H1 is shown, the alarm function will activate.



Carbon Monoxide Detector Error Code (----)



Propane Detector Error Code (----)

(----) indicates a sensor issue. The buzzer will sound an alarm, each alarm light will begin flashing red, and the screen will remain on.