

## CARBON MONOXIDE DETECTOR

### ART. 30009006

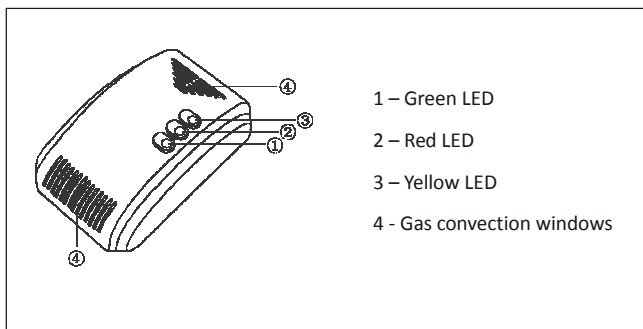


This household carbon monoxide detector adopt SMD and advanced gas sensor that enables detecting the gas in time and then send out the alarm signal.

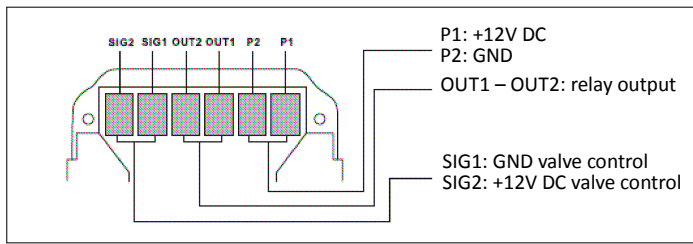
#### Specifications:

- Detecting gas: carbon monoxide
- Relay output: NC / NO selectable with jumper
- Buzzer: > 85 dB (1m)
- Case: ABS, white
- Alarm density: 150 ppm
- Alarm density error:  $\pm 80$  ppm
- Power supply: 12V DC
- Current absorption: 150mA max (110mA in stand by)
- Operating temperature: from 0°C to +55°C
- Operating humidity: 95% max (NOT condensing)
- Dimensions (L x H x W): 70 x 115 x 44 mm
- Standard accords: combustible gas detector GB15322-2003

#### General view:

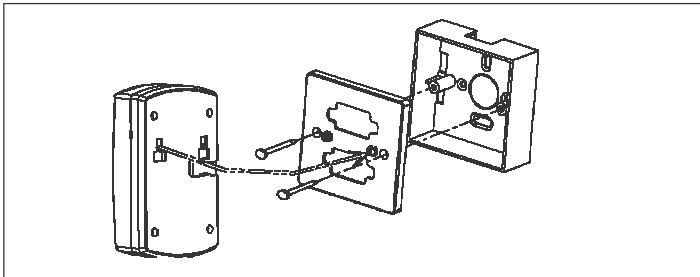


## Connections:



## Installation:

- Choose the proper position from ceiling (0.3 ÷ 1m) to install the detector, be sure that the semi-diameter to gas source is less than 1.5m
- Fix the 86 x 86 box on the selected place by screws, then fix the detector on it



**Note:** avoid installing the detector close to the following sources of interference: near the cooker, direct air flow from vents, fans, doors, windows, sources of steam, oil vapor, etc.

## Operating instructions:

The detector can be used independently or to activate an external device (e.g. the e-valves art. 30009091 and 30009092).

### 1A – Independently.

- Choosing a suitable position to install the detector according to the INSTALLATION
- With 12V DC power supply and after the warm-up (the green LED flashes per second for 2 minutes), the detector comes into normal detecting state

### 1B – To activate an external device.

- Choosing a suitable position to install the detector according to the INSTALLATION. Connect the external device with the contacts NC or NO of the output relay
- With 12V DC power supply and after the warm-up (the green LED flashes per second for 2 minutes), the detector comes into normal detecting state

2 - While detected the carbon monoxide, the red LED flashes, the buzzer sends out the alarm sound and the relay will be activate. The detector will resume to the detecting state when the gas density is lower than the alarm level.

3 - The yellow LED on means the sensor inside error. Please cut off the power supply and contact the installer.

4 - If the detector runs disorderly, cut the power off and rerun again. If still in error, please contact the installer.

## Test:

To test the detector, you can give some gas around in distance of 5cm to the gas convection windows by using an ignition lighter. Gas testing frequently may result in reducing the sensitivity of the detector. The alarm density of gas is set according with the criteria of GB15322-2003. The detector will stop alarm and resume the detecting state while the gas density reduced.

**Led information:**

RED LED FLASH	Gas leak
GREEN LED FLASH	Warm-up
GREEN LED ON	Work normally
YELLOW LED ON	Inside error

**Maintenance:**

The user must brush and clean the gas convection windows with a little of cleanser every three months, avoid the cleanser into the detector in the cleaning process, and must retest the detector after cleaning.

**Notice:**

- The detector must be installed and connected correctly. It can not work if the power supply is missed
- Please periodically maintenance according to the directions
- Do not put the product under high temperature (e.g.: close the oven) and in lampblack (e.g.: close the exhaust)
- Avoid to use the stimulus near the detector (e.g.: fixture, insecticide, oil paint)
- Avoid to disassembly the detector by yourself
- For various reasons, including, but not limited to, changes in environmental conditions, electric or electronic disruptions and tampering, the product may not perform as expected. The user is advised to take all necessary precautions for his/her safety and the protection of his/her property.

**Emergency treatment:**

- Shut down the tube valve right away
- Open the window and make the air flow rapidly
- Check the reason of gas leaking and notice the relative departments and professional persons in time



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