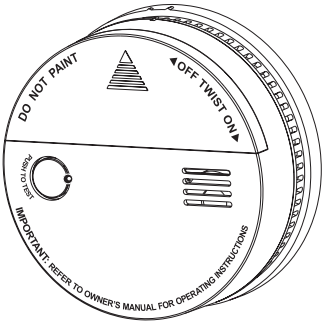
Specification of
Wireless CO Sensor
(Carbon Monoxide Detector)



About CO Sensor

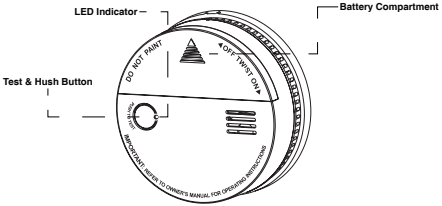
This product is a carbon monoxide detector. The gas detection adopts a carbon monoxide electrochemical sensor to ensure stable and constant performance. When concentration of the leaked carbon monoxide reaches the given alarm level, the detector LED flashes red and buzzer gives out alarm sounds. Besides suitable for early warning and protection of carbon monoxide leakages in houses, villas, factories, shopping malls, warehouses, office buildings or other indoor places. This unit has a subtle shockproof design, which makes it also suitable for vehicle use.

- Adopts MCU Processing
- Manual Test / Auto-Reset
- Hush Function
- Low Voltage Compensation
- Temperature Compensation
- Low Battery Warning
- Anti-RF Interference (20V/m-1GHz)
- Dustproof, Mothproof, Anti-light Interference
- SMT Manufacture Technology with High Reliability
- Shockproof Design Suitable for Vehicle Use

Parameters

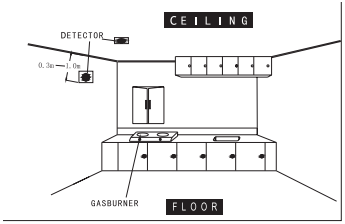
Operating Voltage	DC 3V (2X AA Batteries)
Static Current	≤ 10μA
Alarm Current	≤ 35μA
Warm-Up Time	1 minutes
Hush Time	10 minutes
CO Alarm Level	40ppm≤X<75ppm, alarm after 75 minutes 75ppm≤X<200ppm, alarm after 25 minutes 200ppm≤X, alarm after 30-50 sec < 40ppm, alarm reset
Transmission Distance	Without obstacle 200m
Alarm Indication	Red LED & Beeping & System Alarm
Failure Indication	Orange LED & System Alarm
Sound Level	≥ 85 dB / 3m
Working Temperature	-10ºC ~ +50 ºC
Working Humidity	≤ 95RH
Installation Mode	Wall or Ceiling mounted
Execute Criterion	EN14604-2005, GB15322, 5-2003

Appearance



Pairing with Alarm System And Installation

1. Launch the App and scan the QR code printed on the back of the sensor.
2. Rename sensor in App for easier understanding in daily usage.
3. Press the Test & Hush Button to make sure the sensor is working correctly. Make sure the Red LED indicator is on when pressing down the button, and make sure the alarm sound is clear enough.
4. Since Carbon Monoxide is a little lighter than air and will rise in the air, normally the detector is installed in a higher position. For wall mounted, install at about 0.3-1.0m from ceiling. For ceiling mounted, normally install at the ceiling center of the protected area (refer to the next image)
5. Fix the detector base into a wall or ceiling with screws and fasten the detector head on the base.
6. While installing at home, keep the detector away from your gas stove to prevent flame roasting. Avoid installing in places with heavy oil or smoke that may cause false alarm or block the gas convection holes and influence the detector sensitivity. Also do not install the detector near to exhaust fans, windows, doors and in places with great vapor in bathrooms.



Operating Principle & Indication Summary

1. Insert 2pcs 1.5V AA batteries into the battery compartment. The detector enters into warm-up status. LED flashes Green.
2. About 1 minutes later, the flashing Green LED comes out. And the detector gets into normal working status. The LED flashes Green once every 30s, indicating normal battery supply.
3. The detector should be tested periodically during daily using. Short press Test & Hush Button to run a test. The LED flashes Red along with buzzer sounding for alarm indication. To save battery life, testing one time in every month is recommended.
4. During alarming status, short press the Test & Hush Button. Then the detector gets into mute status. The LED keeps flashing red while the buzzer will stop sounding. If the alarm status hasn't been reset, the mute status will end automatically in 10 minutes later and the buzzer sounds again. If the alarm status is reset during 10 minutes, the detector recovers to normal working status.
5. When battery voltage < 2.4V, the detector will give out low battery signal periodically. The LED flashes in yellow once every 30s with buzzer sounding. While the battery voltage < 2.0V, the LED will be constant yellow and the detector will restart in 32s due to low power. After warm-up and rechecking the voltage, if the battery voltage is still < 2.0V, the operation repeats.

Indications	Analysis	Elimination
After power-on, LED flashes Green	Normal. Warm-up status lasts 1 minutes while detector entering into normal working.	X
After warm-up, LED flashes Green once per 30s	Normal. Indication for normal working status and normal battery supply	X
LED flashes Red without any beeping	Caused by pressing Test & Hush Button under alarm or testing status. Detector enters into Mute status.	Repress the Test & Hush Button to lift the mute status
LED flashes Yellow once every 30s along with buzzer sounding	Low battery (<2.4V)	Replace new batteries
LED constant Yellow	Low battery (<2.0V) that cannot support normal operation	Replace new batteries

Emergency Alarm ACTIONS

Treatments for carbon monoxide leakage alarm:
1. Shut off tube valves.
2. Do not plug or unplug electrical appliances.
3. Open windows to circulate the air.
4. Inspect the leakage reason and notify related departments or professionals in time to deal with the situation If it turns out a false alarm, check the installing position is proper or not.

NOTES

1. Replace the batteries with new pair in time on low battery condition to ensure normal operation.
2. There should be no block within a radius of 0.5m from the detector.
3. The horizontal distance from the detector to the air conditioner outlet should not be less than 1.5m.
4. If it needs to install the detector in an aisle ceiling with a width less than 3m, choose a center position. The distance between detectors should be less than 15m. The distance from the detector to the end wall should not exceed half of the distance between the detectors.
5. Clean the detector surface with soft brush every month to ensure sensitivity. Do not spray air-fresher, hair gels, paints or other aerosols near the detector.
6. The life span of the adopted carbon monoxide electrochemical sensor is 5 years. Replace the detector immediately once its service life expires.
7. Do not use any detergents or solvents to clean the detector. Chemicals may cause permanent damage or transient pollution to the sensor.
8. For malfunction problems, contact your dealer. Do not dismantle and try to repair it privately.
9. The detector can reduce accidents happening, but cannot guarantee a hundred percent safety. For safety consideration, besides proper usage of the detector, pay attention to build up safety consciousness and take preventive measures in daily life.
10. Maintain the detector periodically as per requirements in this manual.