

CARBON MONOXIDE ALARM USER MANUAL



Please Read the user manual first which can help you operate the device properly.

How Much Do You Know About CO?

CO can not be seen, smelled or tasted, But if ingested in a certain amount, it is fatal. The accumulation of CO in the blood is called carboxyhemoglobin (COHb), It interferes with the body's ability to supply oxygen. Depending on the concentration, CO can kill human in minutes. The most common sources of CO are malfunctioning gas appliance used for heating and cooking, started-vehicles in garage, blocked chimneys or flues, portable fuel burning heaters, fireplaces, and operating a grill in an enclosed space.

Indications of carbon monoxide poisoning include symptoms similar to the flu, but without fever. Other symptoms include dizziness, fatigue, weakness, headache, nausea, vomiting, sleepiness and confusion. Everyone is susceptible to the danger of CO, but experts agree that unborn babies, small children, pregnant women, senior citizens and people with heart or respiratory problems are at the highest risk for serious injury or death. Every year a qualified technician should inspect and clean your heating system, vents, chimney, and flues.

Packing List

- 1 × Carbon monoxide alarm
- 1 × Mounting bracket
- 1 × Screw Kit
- 1 × User manual

Product Specifications

Power: DC 3V,Lithium Battery (sealed in) (Battery model refer to model chart)

Operation Current: <30uA (standby); <70mA (alarm)

Alarm Volume: >85 dB(A) at 3 meters

CO sensor: Electrochemical sensors, 10 years lifetime

CO Sensitivity: 50ppm 60~90min

100ppm 10~40min

300ppm 1~3min

Accuracy of Digital Display: 30-999 PPM +/-30%

Low Battery: 2.6 ± 0.1 V

Silence Time: approx. 10 minutes

Operating Temperature:40°F (4.4°C) to 100°F (37.8°C)

Humidity Range:15% to 95% R.H. (non-condensing)

- RF connectivity:Frequency : 433.92MHz (For CO11R)

Working distance : Up to 100m (Outdoor open)

Interlinked devices: Max 30pcs per group

- Wi-Fi connectivity: 802.11 b/g/n (For CO11W)

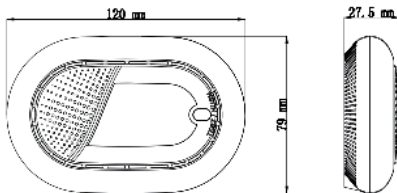
Standard : EN50291-1: 2018

The Effects of Different Concentrations of CO on Human Health

Concentration of CO in air (ppm)	Inhalation Time (approx.) and Symptoms Developed
35	The maximum allowable concentration for continuous exposure in any 8 hour period according to OSHA
150	Slight headache after 1,5 hours
200	Slight headache,fatigue,dizziness,nausea after 2-3 hours
400	Frontal headaches within 1-2 hours, life threatening after 3 hours, also maximum parts per million in flue gas (on free air basis) according to US Environmental Protection Agency.
800	Dizziness,nausea and convulsions within 45 minutes . Unconsciousness within 2 hours.
1600	Headache,dizziness and nausea within 20 minutes, Death within 1 hour.
3200	Headache,dizziness and nausea within 5-10 minutes, Death within 25-30 minutes.
6400	Headache,dizziness and nausea within1-2 minutes, Death within 10-15 minutes.
12800	Death within 1-3 minutes.
The following symptoms may be related to CARBON MONOXIDE POISONING and should be discussed with all members of the household.	
Mid exposure: Headache,running nose ,sore eyes ,often described as "flu-like" symptoms;	
Medium exposure: Dizziness ,drowsiness ,vomiting ;	
Extreme exposure: Unconsciousness ,brain damage ,death ;	
Ppm=parts per million OSHA = Occupational safety & Health Association	

Above all, all of us should take effective measures to prevent such incidents. Especially needs heating by fireplace in winter. Our CO detector can help you detect danger in advance to keep you and your family away from danger.

Product Detail



Switch On/Off the Smoke Alarm

The device is turned off by default before leaving the factory. Before the device can be used, please active the device first.

Power On: Use a screwdriver or other suitable tools to slide the switch to the 'ON' position, The digital number will change from 000-999 three times. Then the device can work normally.

Power Off: Slip the switch to the 'OFF' position, the product will shut down.

Alarm Test

Press the TEST/Silence button, the alarm will sound. That means the device works well. If no sounds, Please feel free to contact us for help.

WARNING:

- Do not ignite combustible materials and start a structural fire.
- Do not stand close to the alarm when the it is sounding. It may be harmful to your ear, so step away when testing.
- Weekly Test: test this smoke alarm once a week.
- A loud alarm is a warning that unusually high and potentially lethal levels of carbon monoxide. Never ignore the alarm. Take effective measure immediately. Such as: open windows and check whether families have symptoms of poisoning of CO. Contact the proper authorities to resolve all CO problems.

Silent the Alarm

During the unit is alarming, push the test button. The alarm will be paused for approx 10 minutes. The red LED will flash once every 8 seconds. The device will automatically reset after about 10 minutes. If the concentration of CO are still up to the level for alarming after 10 minutes, the alarm will sound again.

WARNING:

Before silencing the alarm, please identify the source of the Carbon Monoxide and the surroundings is already safe. If there is any question with the cause of an alarm, it should assume that the alarm is caused by high levels of carbon monoxide. You and your families should evacuate from residence.

Tips: If use remoter to silence the alarm only be used in line of sight of the CO alarm.

Operating and Alarm Characteristics

LCD Display	LED Status	Alarm Sound	Unit status	Solution
 No CO concentration be detected.	The LED indicator will flashed green 1 times every 60 seconds	None	The unit is working normally.	None
 CO concentration (30–999ppm) exists for a certain time period, the screen will be light up	The LED indicator will flashes red 4 times every 5 seconds	The alarm Beeps with the frequency of the alarm LED flashes.	Dangerous CO concentration has been detected.	Refer to “What To Do When the CO Alarm Sounds”

 The LCD alternate displays between "lb" and current CO level	The LED indicator flashes yellow once every 60 seconds.	One quick beeps every 60 seconds.	Low battery warning.	As the battery is non-replaceable, you need to replace the unit.
	The LED indicator flashes yellow twice every 40 seconds.	Two quick beeps every 40 seconds.	Unit malfunction	The unit has malfunctioned, and must replace immediately.
	The LED indicator flashes yellow twice every 30 seconds.	Two quick beeps every 30 seconds.	End of life	The unit has malfunctioned, and must replace immediately.

Installation

Where to Install

Recommended installation locations of CO alarms should be in or near bedrooms and living areas. It is recommended to install a CO alarm on each level of your home, make sure that you can hear the alarm at all sleeping areas. If you install only one CO alarm in your home, install it near bedrooms, not in the basement or furnace room.

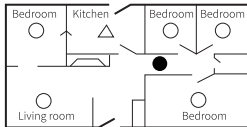
1. When wall mounting, the install place should be out of reach of children. Children are not allowed to operate the CO alarm in any case.

Place the alarm at eye level which allows for optimum monitoring the digital display.

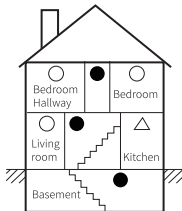
WARNING:

1. This detector will only detect carbon monoxide around it. But carbon monoxide may exist in other areas.
2. This carbon monoxide alarm only detect CO, It can't substitute other alarms. Such as smoke alarms. It can't detect smoke, fire. For this reason you must install smoke alarms to provide early warning of fire to protect you and your family.

SINGLE MAP



MULTI-STOREY PLAN



- Minimal Protection for Smoke and Carbon monoxide alarm
- Optimal Protection for Smoke and Carbon monoxide alarm
- △ Heat alarm

Locations to Avoid

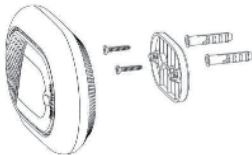
Improper location can affect the sensitive of electronic components and causing damage to the unit and have nuisance alarm, please avoid these places below:

- Do not install in kitchens, garages or furnace rooms that may expose the sensor to substances that could damage or contaminate it.
- Do not install in areas where the temperature is lower than 0°C or Above 40°C. Such as crawl spaces, attics, porches and garages.
- Do not install within 1.5m of heating or cooking appliances. (recommends 3m).
- Do not install near vents, flues, chimneys or any forced/unforced air ventilation openings.
- Do not install near ceiling fans, doors, windows or areas directly exposed to the weather.
- Do not install in dead air spaces, such as peaks of vaulted ceilings or gabled roofs, where CO may not reach the sensor in time to provide early warning.
- Do not place the alarm where drapes, furniture or other objects block the flow of air to the vents.

Installation

Screw mounting

1. Remove the mounting bracket from the alarm.
2. Place the bracket on the installation position and mark the two screw holes on the wall.
3. Drill holes with a 5mm drill, insert two plastic dowels with a hammer.
4. Fix the bracket to the wall with screws (refer to the picture).
5. Attach the alarm to the bracket.



Screwless mounting

There are double sided tape in package.

1. Remove the protective layer on one side of the mounting pad, stick it to the bracket.
2. Remove the protective layer on the other side of the mounting pad, stick the pad where you want to mount the co detector.

Desk Stand:

The base of the detector is designed to allow it to stand freely on a shelf.

WARNING:

1. The follow the instruction strictly in case of any injury. the device should be installed by a competent person;
2. CO Alarm should not be used as a substitute for proper installation, use and maintenance of fuel-burning appliances, including appropriate ventilation and exhaust systems.

Maintenance and Clean

Please maintenance the alarm as below to keep the device working properly.

1. Test the alarm once a week.
2. Do not paint the alarm.
3. Never attempt to disassemble the alarm to clean inside or repair it. It may cause malfunction and will invalidate the warranty.
4. Never use cleaning solutions on your detector. Simply wipe with a slightly damp cloth to remove dust, dirt, or debris.
5. Some materials, vapour or gases, can affect the reliability of the alarms in the short or long term. The following is a list of substances at high levels can damage the sensor or cause temporary readings that are not CO readings:
 - Ethylene, ethanol, alcohol, iso-propanol, benzene, toluene, ethylacetate, hydrogen, hydrogen sulfide and sulfur dioxide.
 - Also most aerosol sprays, alcohol based products, paint, thinner, solvent, adhesive, hair spray, after shave, perfume, auto exhaust (cold start) and some cleaning agents.

WARNING:

- The lithium battery (Sealed in) can support the device whole life over 10 years. DO NOT TRY TO REPLACE THE BATTERY.
- When the product has reached the end of its service life, the device beep two times every 30 seconds. Please replace the alarm immediately!

How to Connect Your Device to Your Home Wi-Fi Network For C011W Model

DO THIS FIRST. Scan the QR code or find "Smart Life" from Google Play/APP Store to get the free application for Android or iOS. Upon installation of APP on your phone, the app will guide you through registering.

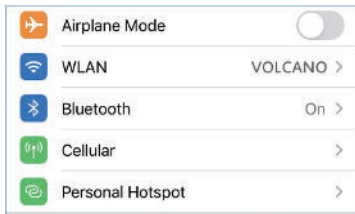


Tuya Smart APP



Smart Life APP

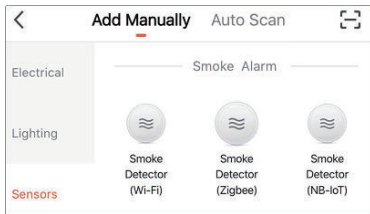
STEP 1. Make sure that your phone Bluetooth is on and Wi-Fi network only support 2.4GHz Dual-band router needs to set up a 2.4GHz WiFi signal separately



STEP 2. Press the test button four times until the red light blinking.

STEP 3. Open the " Smart Life" app and click "add device" or "+";

STEP 4. Choose the "Auto Scan" finding the device, You can see "devices to be added" then follow the app guide to connect it.



How to Connect Your interlined Device to Network For CO11R Model

Radio-interlinked smoke/CO detectors are interlinked through radio-frequency signals. If one smoke/co alarm detects fire, all alarms go off. In the case of the battery operated radio-interlinked smoke alarms, no wiring is required at all.

How to create the interlinked network

Step 1: Press the test/silence button on one of these smoke alarms 4 times, and the green LED will rapidly flash continuously, indicating it has entered the transmitting mode (valid time: 60 seconds) .

Step 2: Press the test/silence button on the other smoke alarms twice, and the green LED will slowly flash continuously, indicating it has entered the receiving mode.

- If pairing is successful: The green LED of these alarms will stop flashing.
- When it is failure: The green light will continue to flash for 60 seconds, and then the red light will stay on for 2 seconds.

How to disabling the interconnect function

Press the test/silence button on the smoke alarms twice and the green LED will slowly flash continuously still 60 seconds, then ignore it and it will automatic despairing.