

Thank you for purchasing our device. Before installing, using or repairing the device, please read this manual carefully and pay attention to the safety warnings and instructions. This will ensure not only the protection of persons, but also the long service life of the device.

TECHNICAL PARAMETERS

Sensor type	Electrochemical sensor
Application	For indoor use only
Alarm volume	≥ 85 dB at a distance of 3 m
Power	DC 4.5V (3×1.5V AA batteries)
Dimensions	105 × 39 mm

PRODUCT DESCRIPTION

1. Green indicator
2. Yellow indicator
3. Red indicator
4. Speaker
5. Display
6. Test button



WARNING

- Do not install the detector behind curtains or furniture.
- Do not install the detector in places with air currents from stoves, air conditioning vents or under ceiling fans.
- Do not install the detector in locations where the temperature can easily fall below -10 °C or exceed 55 °C.
- Do not install the detector in areas with heavy grease or dust, which can easily clog the sensor.
- Do not install the detector in excessively humid environments.
- Do not install the detector directly above a sink or stove.
- The device should be installed by a qualified person.

DEVICE LOCATION

Install carbon monoxide detectors in bedrooms, common areas or similar living spaces. It is recommended to install at least one detector on each floor of a multi-storey building so that the alarm can be heard even during sleep.

- If there is a combustion appliance in the bedroom/room, the detector must be installed directly in the room.
- If there is an appliance without a chimney or with a shared chimney in the room, the detector must be located directly in that room.
- If there is a combustion appliance in the room, a detector must be installed in the room.
- If the combustion appliance is located in a room that is not frequently used, such as a boiler room, it is advisable to place the detector outside this room so that the alarm can be heard clearly.
- In rooms, the detector should be as far away from cookers and beds as possible.
- If the detector is mounted on a wall, it should be above the level of windows or doors, but at least 150 mm below the ceiling and 1 to 3 m away from any possible source of gas.
- If there is a partition in the room, the detector should be placed on the same side as the potential gas source.
- The detector should be located as close as possible to the area where people normally breathe.

Detectors and combustion appliances should be in the same room if possible. If the detector is installed on a wall, it should be placed above the upper edges of windows or doors, while also being at least 150 mm below the ceiling.

INSTALLATION OF THE DEVICE

After selecting the installation location, make sure that there are no electrical wiring or pipes in the wall.

1. Measure two mounting locations on the wall according to the holes in the mounting base and drill the holes.
2. Secure the mounting base to the wall using screws and tighten them thoroughly.
3. Insert three AA batteries into the battery compartment according to the correct polarity marked on the back of the detector. A beep will sound when the device is turned on. Close the battery cover and press the "TEST" button to verify that the device is working properly.
4. Place the detector into the mounting base.

WARNING

- For safety reasons, the CO detector must not be installed without batteries inserted. Always test the device to ensure it is working properly after replacing the batteries.

DEVICE OPERATION

1. After the batteries have been inserted correctly, a beep will sound and the detector will start preparing for operation for 90 seconds. A countdown will be displayed on the LCD display. During this time, the detector is not active and does not perform detection.
2. After 90 seconds, the detector will switch to normal monitoring mode and the display will automatically turn off. If the concentration of the measured gas in the air exceeds 20×10^{-6} , the display will show the current gas concentration in the environment.
As soon as the concentration of the measured gas reaches the set alarm level, the detector will activate both an audible and visual alarm.
3. The green power indicator flashes once every 40 seconds, indicating that the detector is in operation.
4. The red alarm indicator light will flash rapidly when the detector enters the alarm state, and an audible alarm will sound at the same time. The alarm will sound four times in succession, then pause for 2 seconds, and the cycle will repeat until the CO concentration falls below the set value.
5. The detector has an automatic self-test function that checks the status of the electronics every minute during normal standby mode.
 - **Fault** (double beep every 8 seconds, yellow indicator light on)
"Err" appears on the display. This indicates a sensor fault – detection is not working, contact your dealer for repair.
 - **End of service life** (the device beeps 3 times, the yellow indicator light flashes 3 times every 60 seconds)
"FAL" appears on the display. In this case, the entire detector must be replaced. The maximum service life of the sensor is 10 years.
 - **Low battery** (one beep sounds and the yellow indicator light flashes once every 50 seconds)
The battery voltage is checked every 50 seconds. A battery is considered low when the voltage drops below 3.6 V. The batteries must be replaced immediately.
6. This detector is equipped with an alarm recording function and recorded concentration recording.
TEST button: Pressing this button briefly causes the green, red and yellow indicator lights to flash alternately, an alarm signal sounds and the maximum peak concentration from the last alarm is displayed on the display.
Holding down the TEST button for more than 10 seconds will clear the maximum memory and the display will show "0".

WARNING

Do not use a permanently damaged detector! Do not disassemble, repair or service the device yourself or have it serviced by anyone other than the manufacturer!

DISPLAY AND INDICATIONS

STATUS	ACTIVITY	LED INDICATOR	SOUND
Switch	Insert 3× AA batteries	The green indicator light flashes once	Short beep
Warming up	After switching on	The green indicator light flashes once every 2 seconds	No sound
Standby mode	After warming up, the alarm goes into standby mode	Green indicator light flashes once every 40 seconds	No sound
Test	Press the TEST button	Green/yellow/red indicator light flashes alternately	Alarm sound – 4 beeps
Alarm	Presence of carbon monoxide	Red indicator light flashes every 0.5 seconds	4 beeps every 3 seconds
Low battery	—	Yellow indicator light flashes every 50 seconds	1 beep every 50 seconds
Fault	—	Yellow indicator light is on continuously	2 beeps every 8 seconds

NOTE

The maximum concentration displayed on the LCD display is 999 ppm. All higher values are displayed as 999 ppm.

MAINTENANCE

This detector is factory calibrated; during operation, it is only necessary to clean the cover regularly to ensure that the openings are not covered by dirt or dust. No basic maintenance is required – use a clean, soft brush or dry flannel cloth to clean the cover. Do not use cleaning agents, bleach or polish.

With proper maintenance, the detector will reliably warn of dangerous concentrations of carbon monoxide.

To maintain proper function, we recommend:

- Test the CO detector every month.
- Regularly vacuum the area around the detector to remove dust.
- Do not use cleaning agents on the device itself.
- Keep away from solvents or cleaning chemicals.
- Do not spray air fresheners, hairspray, etc. near the detector.
- Do not modify the device.

WARNING:

The following substances may affect the sensor and cause false alarms:

Methane, propane, benzene, toluene, ethyl acetate, isobutane, isopropanol, ethylene, hydrogen sulphide, hydrogen, sulphur dioxide, alcohol-based products, paints, thinners, solvents, adhesives, hair sprays, colognes or perfumes, and some cleaning agents.

WARNING:

This CO detector is for indoor use only – do not expose it to rain or moisture. Do not open or tamper with the device, as this may cause malfunction or electric shock.

Incorrect use, installation or insufficient maintenance may reduce or completely disable the detection capability.

WHAT TO DO IF THE ALARM SOUNDS

The alarm indicates the presence of dangerous concentrations of carbon monoxide (CO).

If the alarm sounds:

1. Immediately move to fresh air outside or open all windows and doors to ventilate the area and allow the gas to disperse. Stop using all fuel-burning appliances and, if possible, make sure they are turned off.
2. Immediately inform all persons present and instruct them to evacuate to a safe outdoor area with fresh air. Check that everyone is present and, if necessary, call for first aid by telephone or other means. Upon arrival of the emergency services, allow the experts to secure the area and remove the source of danger. Unauthorised persons without oxygen equipment and protective gear are not allowed to enter the area until the alarm has been completely cleared. If anyone shows signs of poisoning or is suspected of poisoning, seek medical attention immediately.
3. If the alarm continues to sound, leave the building immediately and alert others to the danger. Leave doors and windows open. Do not return to the building.
4. Seek medical assistance for anyone showing symptoms of carbon monoxide poisoning.
5. Contact the service centre for the appliance and the relevant fuel supplier on their emergency hotline. Sources of CO leakage must be identified and eliminated by experts. If the cause of the alarm is not clearly false, do not use fuel-burning appliances again until they have been checked and approved by a qualified person in accordance with applicable regulations.

WARNING

Installing this device does not replace the correct connection, use or maintenance of fuel-burning appliances, including their proper ventilation and exhaust systems.

This device cannot prevent, detect or regulate your gas installation or exhaust system.

WARNING

A carbon monoxide detector is not a substitute for a smoke or gas detector.

If multiple alarms are triggered within 24 hours of a CO leak being professionally repaired, contact qualified professionals to check your appliances and ventilation systems.

WARNING

This detector is designed to protect against the acute effects of carbon monoxide exposure. However, it may not protect against the chronic effects of long-term exposure to CO and may not fully protect people at higher risk or with specific medical conditions. If in doubt, consult a doctor.

SOLUTIONS TO THE MOST COMMON PROBLEMS

Symptoms of malfunction	Possible cause	Solution
The green power indicator light is not lit	The detector is not switched on	Insert the batteries correctly
	Indication light malfunction	Contact your dealer or manufacturer for repair
No response after pressing the "TEST" button	Circuit malfunction	Contact your dealer or manufacturer for repair
No response to test gas	Heating not completed	Wait for the heating phase to complete
	Circuit fault	Contact your dealer or manufacturer for repair
The detector continues to sound after the warm-up is complete	Smoking, drinking alcohol or high concentration of volatile organic compounds (e.g. perfume, petrol, thinner, paint) in the surrounding environment	Move the device to a clean environment and test its functionality
	Circuit failure	Contact your dealer or manufacturer for repair

Test the device after each battery replacement. If the LED flashes green every 40 seconds, the device is working properly.

Appendix

The product complies with the requirements for placing on the EU market and meets the EN 50291-1:+AC:2021-01 standard.
Recommended replacement date: within 10 years of the date of manufacture. The date of manufacture is printed on the label or embossed on the plastic cover of the product.

Name and number of the notified body responsible for EU certification: SGS SA, 1, Place des Alpes, P.O. Box 2152, 1211 Geneva 1, Switzerland

t: +41 22 739 91 11 • f: +41 22 739 98 86 • certificates@sgs.com • www.safety.sgs.com. Certificate number: **PS/24/GEN/0156**.

Manufacturer: Shenzhen Jikaida Technology CO., LTD, A301, Building 31, Taixing industrial park HongXing community, Songgang Street, Bao'an District, Shenzhen City, Guangdong Province, China

Importer: Solight Holding s.r.o, Na Brně 1972, Hradec Králové



Solight Holding, s.r.o., Na Brně 1972, Hradec Králové 500 06, Czech Republic.