

### **Instructions for use of the carbon monoxide and smoke detector**

This product is an intelligent carbon monoxide and smoke detector that uses a microprocessor-based proceedings. The electrochemical carbon monoxide sensor is stable and reliable, with low current consumption and small sensitivity change. It is particularly suitable for ensuring the safety of people in areas with a risk of carbon monoxide leakage and the possibility of fire.

- high precision electrochemical sensor and infrared photoelectric sensor
- LCD display for concentration in PPM
- Extra long standby time; low power consumption and low battery warning
- Alarm memory function, alarm suspension (silent mode)
- audible and optical alarm with LED indication
- SMT production technology

#### **1. First commissioning**

Insert 3 1.5V AA batteries into the detector (pay attention to the correct orientation of the positive and negative poles for proper operation), the alarm will emit a short beep and begin to warm up. The display will show a 2 minute countdown, after which the sensor is ready for operation.

#### **2. Button**

If the "TEST" button is pressed, the LCD display shows "CO 0ppm", the smoke value "0.00 dB/m", the LED the indicator light flashes and the detector emits a continuous alarm signal.

#### **3. Record of the highest value**

Press the "TEST" button to check the concentration that triggered the alarm. Long press the "TEST" button for more than 10 seconds to reset the alarm.

#### **4. Indication light**

In normal standby mode, the green light flashes once every 35 seconds or so.

#### **5. Low battery warning**

If the battery is low, the red light flashes once every 10 seconds and the display shows the text "Lb" (low battery).

#### **6. Alarm**

If the instrument detects carbon monoxide concentrations greater than 300 PPM, an alarm will sound after 3 minutes with 4 beeps every 5 seconds, a flashing red light and a continuous alarm. In this case, immediately close the gas valve, open windows and doors and call emergency services. In the event of a fire in which the instrument detects a smoke concentration greater than 0.1% db/m, the alarm will sound with a blue flashing light and a continuous audible signal.

#### **7. Alarm interruption (silent mode)**

To switch off the audible alarm in the event of a false alarm, press the test button. The LED continues to flash to remind you that the detector has been muted. When the alarm is switched to silent mode, the LED flashes once every 10 seconds (if you press the button in silent mode, the alarm will sound again and the red LED will stop flashing). The alarm will automatically return to normal mode after 10 minutes.

#### **a) Installation instructions**

1. For maximum protection, we recommend installing a unit on every floor of a multi-story home, as well as in every bedroom, hallway, living loft, and basement or vehicle. Install the unit at both ends of a corridor or large room if the corridor or room is longer than 9.1 m. If you have only one alarm, install it in the hallway outside the master bedroom or in the master bedroom. Check that the alarm can be heard in all bedrooms.
2. As carbon monoxide gas is lighter than air, select a suitable position for installation, i.e. 1.5 - 2.5 m above the floor.
3. Do not place the detector near the following sources of potential interference: direct airflow from ventilation vents, exhaust fans, doors, windows, steam sources, oil steam, etc.

#### **b) Locations unsuitable for installation**

1. Places where smoke is permanently present;
2. Sites with humidity greater than 95%;
3. Locations with heavy dust, heavy water mist, heavy oil mist;
4. Locations with high wind speeds. (5m/s)

#### **NOTES:**

1. Sharps or impact during transport or installation can easily affect or malfunction the detector.
2. This device is a carbon monoxide and smoke detector that **cannot detect combustible gas** (e.g. liquefied petroleum gas, natural gas, methane, etc.).
3. Regular maintenance: surface cleaning once a month, professional inspection once every six months.
4. Do not use detergents to clean the detector - these may cause damage.
5. Do not spray any sprays such as air fresheners, hair sprays, etc. on the unit.

6. This product is intended to reduce the risk of accidents but cannot eliminate them completely.

**TECHNICAL PARAMETERS:**

**Power:** 3x 1.5 V AA alkaline batteries

**Standby current:** < 20  $\mu$ A

**Alarm current:** < 50 mA

**Sensor:** electrochemical carbon monoxide sensor and infrared photoelectric sensor

**Temperature:** 0°C to +50°C

**Relative humidity:** 10% to 95%

**Sensor sensitivity for CO detection:** 000-999 PPM

**Range :** 0.1% db/m to 9.9% db/m

**Alarm indication:** LCD display, light/audio warning, low battery warning

**Dimensions:** 104 x 39 mm

**Appendix**

The product complies with the requirements for placing on the EU market, conforms to EN 14604 (CSN EN 14604)

Recommended replacement date: within 5 years from the date of manufacture. The date of manufacture is printed on the label or moulded into the plastic cover inside the product.

Name and number of the notified body providing certification for the EU: Ente Certificazione Macchine Srl  
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Certificate number: 1N200727.SJTCT08

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Songgang Street, Bao'an District, ShenZhen, China

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

