



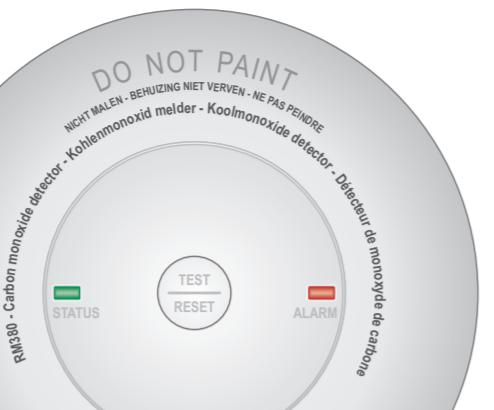
RM380

Conform with EN50291-1:2010+A1:2012



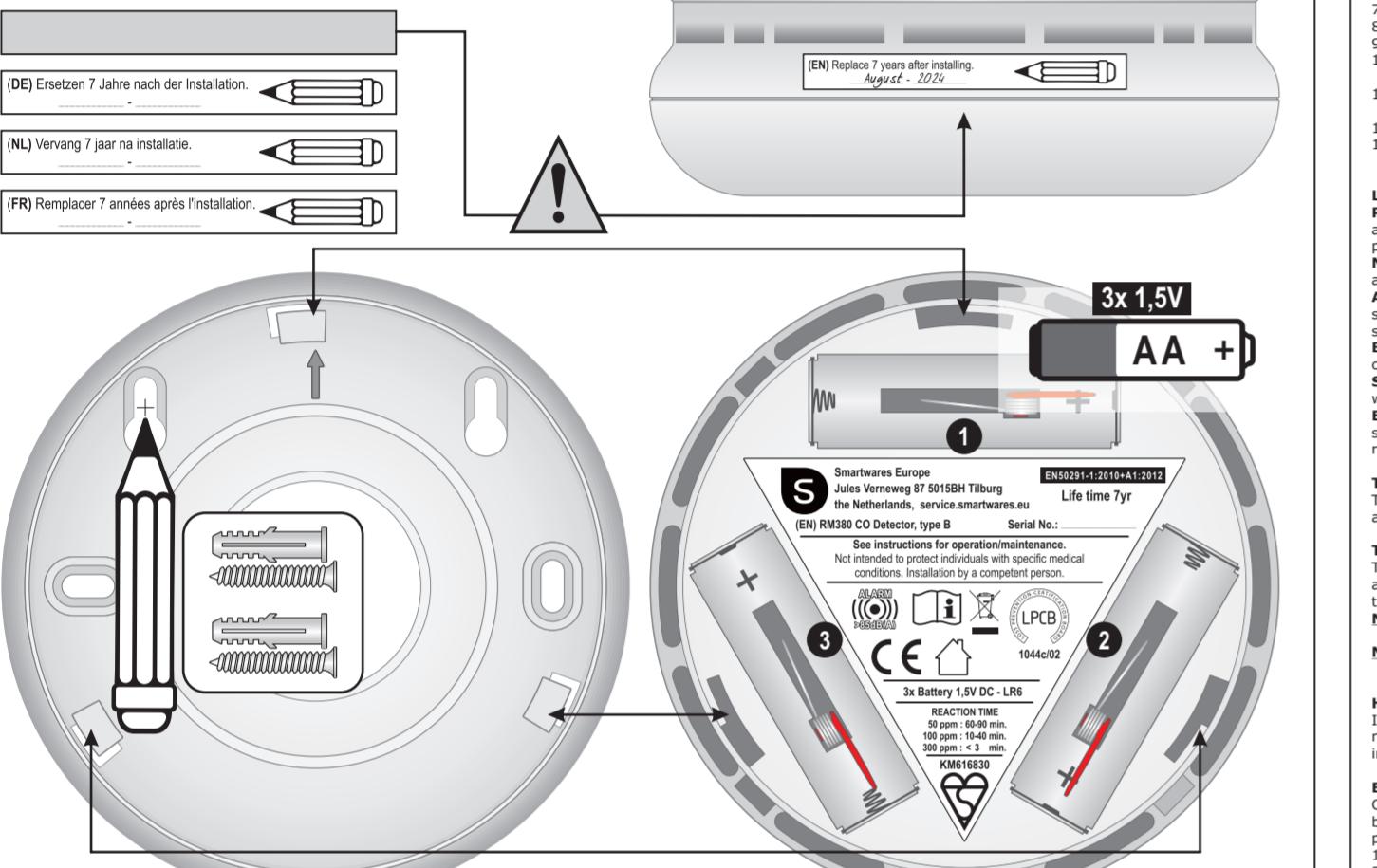
KM616830

1044c/02



EN Carbon monoxide detector Manual DECLARATION OF PERFORMANCE - DoP service.smartwares.eu/dop and follow the instructions.

DE Kohlenmonoxid Melder / Gebrauchsanweisung LEISTUNGSERKLÄRUNG - DoP service.smartwares.eu/dop und folgen Sie den Anweisungen.



#### EN Advice mounting location monoxide detectors

In a room WITH a gas appliance (potential source)

##### Ceiling mounting

- \* On a horizontal distance of between 1 and 3 m from the CO-source.
- \* Centrally in the space.

\* At least 30 centimeters away from surrounding walls.

\* Do not mount next to air inlets or air outlets or other objects on the ceiling.

##### Wall mounting

- \* Mounting between 15 and 80 centimeters from the ceiling, but higher than the top of existing doors and windows.
- \* On a horizontal distance of between 1 and 3 m from the CO-source.

\* Do not mount next to air inlets or air outlets.

\* Do not mount behind objects such as curtains and cabinets.

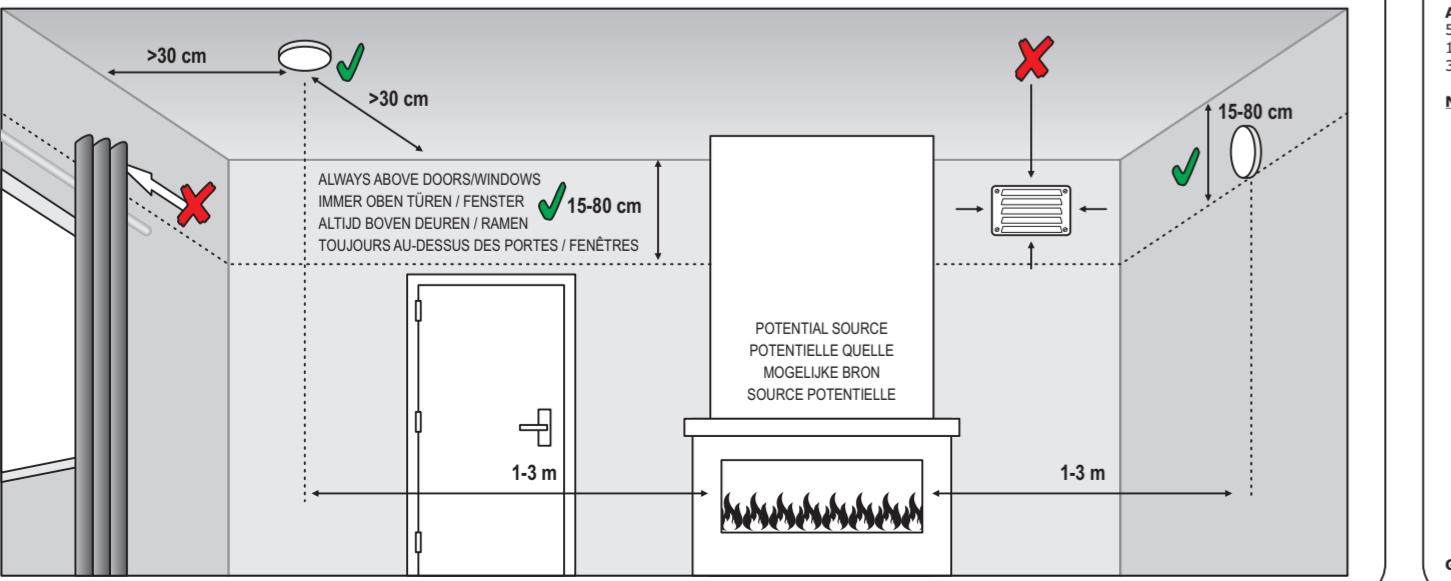
More information mounting locations: [service.smartwares.eu](http://service.smartwares.eu)

#### DE Hinweise Montageort Monoxiddetektoren

In einem Raum MIT einem Gasgerät (potentielle Quelle)

##### Decke Montage

- \* In einem horizontalen Abstand zwischen 1 und 3 m von der CO-Quelle.
- \* Zentral im Raum.
- \* Mindestens 30 Zentimeter von den umliegenden Wänden entfernt.
- \* Nicht neben Lufteinlässen oder Luftauslässen oder anderen Gegenständen an der Decke montieren.
- \* Montage zwischen 15 und 80 Zentimeter von der Decke, aber höher als die Oberseite der vorhandenen Türen und Fenster.
- \* In einem horizontalen Abstand zwischen 1 und 3 m von der CO-Quelle.
- \* Installieren Sie das Gerät nicht neben Lufteinlässen oder Luftauslässe.
- \* Montieren Sie das Gerät nicht hinter Gardinen und Schränke.

Mehr Informationen Montagestellen: [service.smartwares.eu](http://service.smartwares.eu)

EN

#### BATTERY POWERED CARBON MONOXIDE ALARM

Thank you for purchasing the carbon monoxide alarm. Please take a few minutes to thoroughly read the user's guide and familiarize yourself and your family with its operation. And save for future reference.

#### INSTALLATION INSTRUCTIONS

**WARNING:** The alarm should be installed by a competent person. Installation Location.

When choosing your installation locations, make sure you can hear the alarm from all sleeping areas. If you install only one carbon monoxide alarm in your home, install the alarm near bedrooms, not in the basement or furnace room.

**CAUTION:** This alarm must be mounted on a ceiling or wall.

#### Mounting Step

Please refer to sketch map: page

1. Mark the proper location on the wall, according to the two holes of the bracket of alarm.
2. Drill a hole in the wall, then insert two glass anchors into the holes.
3. Never use detergents or other solvents to clean the unit.
4. Avoid spraying air fresheners, hair spray, or other aerosols near the alarm.
5. Do not paint the unit. Paint will seal the vents and interfere with the sensor's ability to detect carbon monoxide. Never attempt to disassemble the unit or clean inside.
6. As soon as possible, place the alarm back in its proper location to assure continuous protection against monoxide poisoning.
7. When household cleaning supplies or similar contaminants are used, the area should be ventilated.

#### Note:

Reinstall immediately after cleaning and then test unit using the TEST/ALARM button.

**WARNING:** The following substances can affect the sensor and cause false readings:

Methane, propane, isobutane, isopropanol, ethylene, benzene, toluene, ethyl acetate, hydrogen sulfide, sulfur dioxide, alcohol based products, paints, thinner, solvents, adhesives hair sprays, after shaves, perfumes and some cleaning agents.

**WARNING:** It is danger that the alarm is tampered with unduly

**WARNING:** The alarm cannot prevent the chronic effects of exposure to CO

**WARNING:** The alarm does not protect individuals from a specific risk

**WARNING:** This apparatus is designed to protect individuals from the acute effects of carbon monoxide exposure. It will not fully safeguard individuals with chronic medical conditions.

**WARNING:** Installation of apparatus should not be used as a substitute for installation, use and maintenance of fuel burning appliances including appropriate ventilation and exhaust system.

#### RECOMMENDED INSTALLATION LOCATIONS

The following suggestions are intended to help you with the placement and installation of your alarm.

1. Place out of the reach for children. Under no circumstance should children be allowed to touch the alarm.
2. Install in a bedroom or hallway located close to the sleeping area. Take special care to verify the alarm can be heard in sleeping areas.
3. It is recommended that a alarm be installed on each level of a multilevel home.
4. Locate at least 1-3 meters away from all fuel burning appliances.
5. Placing at eye level allows for optimum monitoring of the red and green indicator lights.
6. Install that the alarm is not obstructed.
7. Do not install in areas such as vaulted ceilings or gabled roofs.
8. Do not install in turbulent air from ceiling fans.
9. Do not place near fresh air vents or close to doors and windows that open to the outside.
10. Keep the alarm away from excessively dusty, dirty, or greasy areas such as kitchens, garages and furnace rooms. Dust, grease and household chemicals can affect the sensor.
11. Keep out of damp areas such as bathrooms and the bathtoom.
12. Do not install in areas where the temperature is below 0°C or hotter than 40°C.
13. Do not place behind curtains or furniture. Carbon monoxide must be able to reach the sensor for the unit to accurately detect carbon monoxide.

**LED INDICATOR LIGHT**  
Power up Preheat Indication: the red TEST/ALARM LED will flash one time per 6 seconds and continue 2 minutes when the alarm is powered up. The CO will not be detected during preheat.

**Normal Indication:** If the alarm is running normally, green Power LED will flash one time about every 30 seconds.

**ALARM Indication:** If a dangerous level of carbon monoxide is detected, the alarm will sound 4 times with a corresponding red TEST/ALARM LED will flash 4 times per 5 seconds until carbon monoxide is eliminated.

**Battery fault Indication:** If battery failure or low battery is detected, the alarm will chirp one time and with a corresponding yellow Fault LED flashing one time about per 30 seconds.

**Sensor fault Indication:** If the sensor of alarm is faulty, the alarm will chirp two times and with a corresponding yellow Fault LED flashing two times about per 30 seconds.

**End life Indication:** If the alarm chirp once every 30 seconds, with a corresponding green status and red alarm led flashing, that indicates end of CO alarm life. You need to immediately replace the CO alarm.

**TEST/RESET BUTTON**  
The TEST/RESET button is used to test the unit's electronics and to hush the unit during alarm.

#### Test the unit

To test, press the TEST/RESET button, if the alarm is normal, you will hear unit sound 4 times and with a corresponding red TEST/ALARM LED flash 4 times. If the alarm is fault, the LED of the alarm will indicate the fault status. Reference the "LED Indicator Light".

**NOTE:** Test the unit weekly! If at any time your unit does not perform as described, please replace it immediately.

**NOTE:** After the TEST/RESET button is pressed, the alarm sounds and the red TEST/ALARM LED flashes. This does not indicate that carbon monoxide is present.

#### Hush the alarm

If the alarm is sounding, pressing the TEST/RESET button will stop the alarm for about 5 minutes. But, during 5 minutes, if the co concentration is more than 200 ppm, it will alarm immediately.

#### BATTERY INSTALLATION/REPLACEMENT

One "chirp" pre about 30 seconds is an indication that the battery is low, you must replace the battery; please see "Battery specifications". To install or replace the battery in unit, please perform the following steps:

1. Turn the unit counter-clockwise and take out alarm body.
2. Make the power input connector connected to the new battery (see picture 4).
3. The green Power LED will flash one time every 30 seconds after preheating 2 minutes;
4. Fit alarm body on bracket and turn the alarm body clockwise.
5. Test alarm using TEST/ALARM button. The horn pattern is BI 0.1s - pause 0.1s - BI 0.1s - pause 0.1s - BI 0.1s - pause 0.1s - BI 0.1s - pause 0.1s, with a corresponding red TEST/ALARM LED flashing. If it has no action, indicating the alarm is bad or the installing operation is wrong, and you should contact us for gaining the correct method of disposal.

**WARNING:** Use only the batteries specified. Use different batteries may have detrimental effects on the alarm.

#### WHAT TO DO IN CASE OF ALARM SOUNDS

**WARNING:** Action of the alarm indicates the presence of dangerous levels of carbon monoxide! Carbon monoxide can be fatal! If the alarm sounds:

1. Operate the test/hush button.
2. Shut down furnaces and gas supply.
3. Immediately move to fresh air-outdoor or by an open door/window. Do a head count to check that all persons are accounted for. Do not reenter the house until rescue arrives, the premises have been aired out, and your alarm remains its normal condition.
4. After following steps 1-3, if your alarm reacts within a 24 hour period, repeat steps 1-3 and call a qualified appliance technician to investigate for sources of carbon monoxide from fuel burning equipment and appliances and inspect for proper operation of this equipment, if problems are identified during this inspection, please have the equipment serviced or repaired.

**NOTE:** This alarm is not connected to the technician and consult the manufacturer's instructions or contact the manufacturer directly for more information about carbon monoxide safety and this equipment. Make sure that motor vehicles are not or have not been operating in an attached garage or adjacent to the residence.

#### SPECIFICATION

POWER SOURCE: DC 4.5V - 3x 1,5V (LR6 - Lifetime 3 year)  
STANDBY CURRENT: <20mA  
ALARM CURRENT: <45mA  
OPERATION AMBIENT CONDITION: 0 ~ 40°C (storage: -20 ~ 50°C ± 2°C)  
SENSOR TYPE: Electrochemical  
APPARATUS LIFE: 7 Years

#### BATTERY SPECIFICATIONS

Goldenpower GL6RA (LR6) - GP GN15A (LR6) operates lifetime 3 year.

#### ALARM VOLUME

≥85dB at 100cm | 3±0.5KHz pulsing alarm (The alarm sound pattern: BI 0.1 s - pause 0.1s - BI 0.1s - pause 0.1s - BI 0.1s - pause 0.1s, with a corresponding red LED flash, repeat this alarm pattern)

#### ALARM CONDITIONS (ppm = parts per million / 1:1000.000)

50 ppm - 60-90 minutes  
100 ppm - 10-40 minutes  
300 ppm - Less than 3 minutes

**Note:** This carbon monoxide alarm is designed to detect carbon monoxide gas from any source of combustion. It is not designed to detect any other gases.

#### SAFETY

- \* Make sure that all electric connections and connection cables meet the pertaining regulations and are in conformity with the operating instructions.
- \* Do not overload electrical outlets on extension cords, fire or electric shocks can be the result.
- \* Please contact an expert in case you have any doubts about the mode of operation, the safety or connecting the appliances.
- \* Do not leave any items away from young children's reach.
- \* Do not leave this item wet, very cold or warm places, this can damage the electronic circuit boards.
- \* Avoid dropping or shocks, this can damage the electronic boards.
- \* Never replace damaged power cables yourself! In such a case, remove them from the net and replace them with a workshop.
- \* Repairs or opening of this item may only be performed by an authorised workshop.
- \* Wireless systems are subject to interference from cordless phones, microwaves, and other wireless devices operating in the 2.4GHz range. Keep the system AT LEAST 10 ft away from the devices during installation and operation.
- \* Keep batteries out of the reach of children. Batteries not swallow. If a cell or battery is swallowed, call a physician immediately.

#### GENERAL MAINTENANCE

To keep your alarm in a good working order, please follow these simple steps:

1. Verify the alarm TEST/ALARM LED lights operation by pushing the TEST/ALARM button once a week.
2. Remove the front mounting bracket and clean the alarm cover and vents with a soft cloth attachment once a month to remove dust and dirt.
3. Never use detergents or other solvents to clean the unit.
4. Avoid spraying air fresheners, hair spray, or other aerosols near the alarm.
5. Do not paint the unit. Paint will seal the vents and interfere with the sensor's ability to detect carbon monoxide. Never attempt to disassemble the unit or clean inside.
6. This action will void your warranty!
7. When household cleaning supplies or similar contaminants are used, the area should be ventilated.

To keep your alarm in a good working order, please follow these simple steps:

1. Verify the alarm TEST/ALARM LED lights operation by pushing the TEST/ALARM button once a week.
2. Remove the front mounting bracket and clean the alarm cover and vents with a soft cloth attachment once a month to remove dust and dirt.
3. Never use detergents or other solvents to clean the unit.
4. Avoid spraying air fresheners, hair spray, or other aerosols near the alarm.
5. Do not paint the unit. Paint will seal the vents and interfere with the sensor's ability to detect carbon monoxide. Never attempt to disassemble the unit or clean inside.
6. This action will void your warranty!
7. When household cleaning supplies or similar contaminants are used, the area should be ventilated.

DE

#### BENUTZERHANDBUCH KOHLENMONOXIDMELDER

Danke, dass Sie den Kohlenmonoxidmelder gekauft haben. Bitte nehmen Sie sich die Zeit, das Benutzerhandbuch gründlich durchzulesen und sich Ihre Familie mit dem Gerät vertraut zu machen. Bitte bewahren Sie das Handbuch auf, um später darin nachschlagen zu können.

#### ACHTUNG:

**DE** Der Melder sollte von einer fachkundigen Person installiert werden.

Wählen Sie den Montageort so, dass Sie den Alarm an allen Schlafplätzen hören können.

Wenn Sie nur einen Kohlenmonoxid-melder in Ihrem Haus installieren, dann montieren Sie ihn in der Nähe der Schlafzimmer, nicht im Keller oder Heizungsraum.

**CAHTUNG:** Dieser Melder muss an einer Zimmerdecke oder Wand montiert werden.

**Montageanleitung:**

Bitte ziehen Sie Abbildung zu Rate:

1. Markieren Sie die Hölzer der zwei Löcher im Montagerahmen des Melders die richtige Position auf der Wand.

2. Bohren Sie zwei 5,0mm Löcher in die Decke oder Wand und stecken Sie zwei Kunststoffdübeln in die Löcher.

3. Halten Sie den Rahmen an die Dübel und drehen Sie die Schrauben fest in die Dübel hinein.

4. Markieren Sie die CO-alarmen mit dem Montagerahmen des Melders die richtige Position auf der Wand.

5. Bohren Sie zwei 5,0mm Löcher in die Decke oder Wand und stecken Sie zwei Kunststoffdübeln in die Löcher.

6. Halten Sie den Rahmen an die Dübel und drehen Sie die Schrauben fest in die Dübel hinein.

7. Nach dem Reinigen sofort wieder installieren und dann das Gerät mit der TEST/ALARM-Taste prüfen.

**HINWEIS:** Nach dem Reinigen sofort wieder installieren und dann das Gerät mit der TEST/ALARM-Taste prüfen.

**LAUFENDE INSTANDHALTUNG**

Bitte folgen Sie diese einfachen Schritte, um Ihren Melder in gutem Betriebszustand zu halten:

1. Überzeugen Sie sich, dass die TEST/ALARM-LEDs funktionieren, indem Sie einmal pro Woche die TEST/ALARM-Taste drücken.
2. Nehmen Sie das Gerät einmal im Monat vom Montagerahmen, um das Alarmandeckung und -öffnungen mit einer weichen Bürste zu reinigen, um Staub und Schmutz zu entfernen.
3. Verwenden Sie niemals Reinigungs- oder andere Lösungsmittel, um das Gerät zu reinigen.
4. Verwenden Sie es, in der Nähe des Melders Luftaufräucher, Haarspray oder anderes zu versprühen.
5. Streichen Sie das Gerät nicht an. Durch die Farbe werden die Öffnungen verklebt und

