

Please read and keep this manual safe.

CO-BG-01 USER MANUAL CARBON MONOXIDE ALARM

INTRODUCTION

Thank you for purchasing this Carbon Monoxide (CO) alarm from British Gas.



FEATURES

- An advanced electrochemical sensor designed to accurately detect low levels of carbon monoxide (CO) providing an early warning of toxic CO levels in your home
- Detects carbon monoxide continuously
- Resistant to false alarms caused by normal household contaminants
- Sounds a loud 85dB alarm (at 1m/3 feet) to alert you in case of an emergency
- Test/reset button
- Automatically conducts regular self-checks to ensure alarm is operating correctly
- Can be free standing (portable) or easily mounted on a wall
- Certified to the European Standard for Carbon Monoxide Alarms EN 50291-1:2010
- 7 year warranty
- End of life indication

CARBON MONOXIDE AND HOW IT CAN AFFECT YOU AND YOUR FAMILY

Carbon monoxide is a poisonous gas. It is often referred to as the silent killer, it has no odour or taste and cannot be seen. In high concentrations, CO can kill in minutes.

Many cases of reported carbon monoxide poisoning indicate that while victims are aware they are not feeling well, they become disorientated and unable to save themselves by either exiting the building or calling for assistance. Exposure during sleep is particularly dangerous because the victim usually does not wake up.

Symptoms of CO poisoning

The following symptoms may be related to CO poisoning

- **Mild Exposure:** Slight headache, nausea, vomiting, fatigue (often described as 'flu-like' symptoms)
- **Medium Exposure:** Severe throbbing headache, drowsiness, confusion, fast heart rate
- **Extreme Exposure:** Unconsciousness, convulsions, cardiorespiratory failure, death

Common sources of CO

- Oil and gas boilers
- Gas appliances
- Gas, oil or solid fuel cookers
- Portable generators
- Gas or paraffin heaters
- Barbecues
- Blocked chimneys
- Gas, wood, coal or coke fireplaces
- Cigarette smoke
- Any fossil fuel burning appliance

IMPORTANT: This carbon monoxide alarm is not a combustible gas alarm, nor a smoke alarm. Please install the appropriate alarms to detect combustible gases, or smoke.

This CO alarm should not be seen as a substitute for the correct installation, use, and maintenance of fuel-burning appliances (including appropriate ventilation and exhaust systems), nor the sweeping of chimneys.

WARNING: Do not use this carbon monoxide alarm on an intermittent basis, or as a portable detector for trying to trace one source of the spillage of combustion products from fuel-burning appliances or chimneys.

EDUCATE YOURSELF AND YOUR FAMILY ON THE SOURCES AND SYMPTOMS OF CO POISONING AND HOW TO USE YOUR CARBON MONOXIDE ALARM.

WHERE TO INSTALL YOUR ALARM

WARNING: This alarm will only indicate the presence of carbon monoxide gas at the sensor. Carbon monoxide gas may be present in other areas.

In which room should the alarm be installed?

Ideally, an alarm should be installed in every room containing a fuel burning appliance. Additional alarms may be installed to ensure that adequate warning is given for occupants in other rooms, by locating alarms in:

- Remote rooms in which the occupant(s) spend considerable time whilst awake and from which they may not be able hear a device alarming in another part of the premises, and
- Every sleeping room
- Where dirt and dust may block the sensor
- In a damp or humid location (for example in a bathroom)
- Less than 1m/3 feet from any appliance
- Within 1m/3 feet of mobile phones

However, if there is a fuel-burning appliance in more than one room and the number of alarms is limited, the following points should be considered when deciding where best to put the alarms:

- Locate an alarm in a room containing a flueless or open-flued appliance, and
- Locate an alarm in a room where the occupant(s) spend most time

If the domestic premises is a bedsit (a single room serving as both sitting and bedroom) then the alarm should be put as far from the cooking appliances as possible but near to where the person sleeps.

If the appliance is in a room not normally used (for example a boiler room), the alarm should be put just outside the room so that the alarm may be heard more easily.

Where in the room should I place the alarm?

For an alarm located in the same room as a fuel-burning appliance:

- 1 For both wall and shelf mounted alarms the following applies:
 - The alarm should be at a horizontal distance of between 1m and 3m from the potential source
 - If there is a partition in a room, the alarm should be located on the same side of the partition as the potential source
 - Carbon Monoxide alarms in rooms with sloped ceilings should be located at the high side of the room

2 In addition to the previous points if the alarm is located on a wall:

- it should be located close to the ceiling, but no closer than 150mm from it
- it should be located at a height greater than the height of any door or window;

For alarms located in sleeping rooms and in rooms remote from a fuel burning appliance:

- Alarms located in sleeping rooms or located in rooms remote from the fuel-burning appliance should be located relatively close to the breathing zone of the occupants

Where not to put the alarm

The alarm should not be installed:

- In an enclosed space (for example in a cupboard or behind a curtain)
- Where it can be obstructed (for example by furniture)
- Directly above a sink
- Next to a door or window
- Next to an extractor fan
- Next to an air vent or other similar ventilation openings
- In an area where the temperature may drop below -10°C or exceed 40°C

HOW TO INSTALL YOUR ALARM

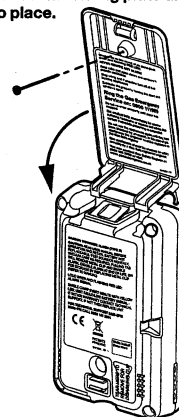
NOTE: This alarm should be installed by a competent person who is able to install it according to the instructions.

Firstly write the installation date on your alarm in the area provided. We recommend that your alarm is installed on the wall but can be placed on a suitably positioned shelf.

Wall Mounting Installation:

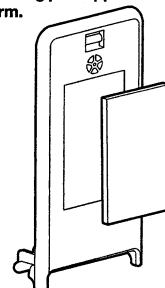
1. Using the fixing pin

Flip down the CO alarm away from the mounting bracket as shown. Place the fixing pin through the collar of the hole in the top of the mounting bracket. Carefully hammer the fixing pin into the wall until it is flush with the collar and the CO alarm is secured onto the wall. Flip the CO alarm back up to the mounting plate until it clicks into place.



2. Using the sticky mounting pad

Ensure the surface on which the alarm is to be mounted is appropriate for a sticky pad. Contaminated, delicate, uneven, dirty or wallpapered surfaces may not support the unit or may be damaged by the sticky pad. Use a suitable cleaning agent to clean the area if necessary. If in doubt use the fixing pin supplied to mount the alarm.



Fix the sticky pad to the back of the alarm into the area shown. Peel off the backing paper and press the CO alarm firmly onto the surface to mount the alarm.

To place on a shelf:

The base of the alarm has been designed to allow it to stand freely on a shelf.

IMPORTANT: When placing on a shelf, please follow the recommendations for positioning. (See section where to install your alarm).

ACTIVATING YOUR CO ALARM

Your CO alarm has an integrated power pack. To activate the power pack you need to remove the disabling clip by pulling the disabling tab out of the alarm.

When the alarm is activated the Power LED will begin to flash green once every minute to indicate that the alarm is fully operational.

Test the sounder, power pack and circuitry by pressing and holding the centre of the Test/Reset button briefly to confirm that the alarm is operating correctly. The sounder will sound as soon as the button is pressed, and the Alarm LED will illuminate red indicating that the sounder is working and the power pack is providing power to the unit.

OPERATING FEATURES

Test/Reset button feature

This button will:

- Test the sounder, power pack, circuitry and sensor integrity
- Silence the loud 85dB (1m/3 feet) sounder during an alarm (only for alarms due to levels of CO of less than 50ppm)

TESTING YOUR CO ALARM

Alarm Self Check

Your CO alarm conducts a self-diagnostics test every 3 minutes. If the alarm self-diagnostics discovers a problem it will emit a single chirp once per minute and the Fault LED will flash yellow once per minute. Additionally the alarm buzzer will not sound when the test button is pressed indicating a fault.

Monthly Testing

Test the sounder, power pack and circuitry and sensor integrity every month by pressing and releasing the Test/Reset button to confirm that the alarm is operating correctly. The sounder should sound as soon as the button is pressed, and the Alarm LED will illuminate red indicating that the sounder is working and the power pack is providing power to the unit.

UNDERSTANDING YOUR CO ALARM'S LED INDICATORS

The higher the concentration of carbon monoxide detected by the alarm, the quicker it will respond. Your CO alarm monitors the level of CO as parts

per million (ppm) in the atmosphere surrounding the alarm. When sufficient carbon monoxide is detected a loud audible signal (85 dB at 1m/3 feet) will sound and the Alarm LED will flash red once every second.

The Alarm will sound:

- Between 60 and 90 minutes when exposed to a minimum of 50ppm of CO.
- Between 10 and 40 minutes when exposed to a minimum of 100ppm of CO.
- Within 3 minutes when exposed to a minimum of 300ppm of CO.

Fault / End of life indication:

The unit continuously checks the settings of its sensor and circuitry. If any of these settings are found to be incorrect or if the power pack becomes low then the alarm will emit a single chirp once per minute and the Fault LED will flash yellow once per minute for up to 30 days.

British Gas warranty and order line:
0800 294 4430

MAINTENANCE

Your alarm will alert you to potentially hazardous CO concentrations in your home when maintained properly.

- Keep the alarm free of dust by gently vacuuming the case with a soft brush attachment when required.
- Test regularly (see section Testing Your CO Alarm).
- Never use cleaning solutions on your alarm. Simply wipe with a slightly damp cloth.
- Do not paint the alarm.
- Do not spray aerosols on or near the alarm.
- Do not use any solvent based products near the alarm.
- Move the alarm to a safe location and store in a plastic bag before painting, wall papering, or performing any other activities using substances that emit strong fumes. Remember to remove it from the bag and replace the alarm when these activities are finished.

Failure of any test should be reported to the technical support line.

Do not attempt to repair your CO alarm. Do not remove any screws or open the main casing of your alarm. Any attempt to do so may cause malfunction and will invalidate the warranty.

WHAT TO DO IN THE EVENT OF AN ALARM

WARNING: A loud alarm is a warning that unusually high and potentially lethal levels of carbon monoxide are present. Never ignore this alarm, further exposure could be fatal. Immediately check residents for symptoms of carbon monoxide poisoning, and contact the proper authorities to resolve all CO problems. NEVER IGNORE ANY ALARM.

Please carefully review this owner's manual to ensure that you know what actions to take in the event of an alarm.

What to do during an alarm

IMPORTANT: Instructions are also provided on the mounting bracket of the alarm. These can be read by flipping down the alarm from its mounting bracket.

- Keep calm and open the doors and windows to ventilate the property
- Stop using all fuel burning appliances and ensure, if possible, that they are turned off
- Evacuate the property leaving the doors and windows open
- Ring your gas or other fuel supplier on their emergency number; keep the number in a prominent place
- Do not re-enter the property until the alarm has stopped. When exposed to fresh air it can take up to 10 minutes for the sensor to clear and the alarm to stop depending on the level of carbon monoxide detected
- Get medical help immediately for anyone suffering the effects of carbon monoxide poisoning (headache, nausea), and advise that carbon monoxide poisoning is suspected
- Do not use the appliances again until they have been checked by an expert. In the case of gas appliances the engineer must be registered

GAS EMERGENCY SERVICE TELEPHONE NUMBER 0800 111 999

For all other enquiries about this alarm, please contact British Gas on 0800 294 4430

Contact numbers for OTHER FUEL Appliances

OIL USERS: Contact OFTEC on 0845 658 5080

SOLID FUEL USERS: Contact HETAS on 0845 634 5626

(Please note these numbers are only available during normal office hours)

Gas appliances should be checked for safety annually by a Gas Safe registered engineer. If you would like your appliances serviced by British Gas you can contact us on 0800 000 999*

*Opening hours 24 hours a day, 7 days a week. Calls may be monitored and/or recorded for quality assurance.

TECHNICAL INFORMATION

Alarm Specifications:
Model CO-BG-01

Sensor Type:
Electrochemical

Sensor Life:
7 Years

Alarm Sound Level:
85dB at 1m/3 feet

Battery Type:
Non removable integrated lithium power pack-7 year life in normal operating conditions.

Temperature Range:
-10°C (14°F) to 40°C (104°F)
Operating Humidity Range:
30 - 90% RH

Weight (inc. power pack):
Approximately 100g

Certified to:
EN 50291-1: 2010

This carbon monoxide alarm is designed to continuously monitor for CO. Its response times meet the requirements of the European standard EN 50291-1: 2010

The alarm will sound:

- Between 60 and 90 minutes when exposed to 50ppm of CO
- Between 10 and 40 minutes when exposed to 100ppm of CO
- Within 3 minutes when exposed to CO levels of 300ppm or more

WARNING: ALARM CONFORMING TO THIS STANDARD MAY NOT PROTECT PEOPLE WHO ARE AT SPECIAL RISK FROM CARBON MONOXIDE EXPOSURE BY REASON OF AGE, PREGNANCY OR MEDICAL CONDITION. IF IN DOUBT, CONSULT YOUR DOCTOR.

A CARBON MONOXIDE ALARM IS NOT A SUBSTITUTE FOR A SMOKE ALARM OR A COMBUSTIBLE GAS ALARM.

DISPOSAL



Waste electrical products should not be disposed of with regular household waste.

Please recycle where facilities exist. Check with your local authority, retailer or manufacturer for recycling/disposal advice as regional variations apply.

WARNING: DO NOT ATTEMPT TO OPEN - DO NOT BURN.

7 YEAR WARRANTY

British Gas warrants to the original purchaser that its enclosed sealed carbon monoxide detector be free from defects in materials and workmanship under normal residential use and service for a period of 7 (seven) years from the date of purchase.

Should a problem arise with your CO-BG-01, please contact British Gas warranty and order line: 0800 294 4430.

Provided it is returned with postage prepaid and proof of purchase, British Gas hereby warrants that during the 7 (seven) year period commencing from the date of purchase British Gas, at its discretion, agrees to replace the unit free of charge. The warranty on any replacement CO-BG-01 7 Year Life Carbon Monoxide Poisonous Gas Alarm will last for the remainder of the period of the original warranty in respect of the detector originally purchased - that is from the date of original purchase and not from the date of receipt of the replacement product. British Gas reserves the right to offer an alternative product similar to that being replaced if the original model is no longer available or in stock. This warranty applies to the original retail purchaser from the

date of original retail purchase and is not transferable. Proof of purchase is required.

Warranty disclaimers

This warranty does not cover damage resulting from accident, misuse, disassembly, abuse or lack of reasonable care of the product, or applications not in accordance with the user manual. It does not cover events and conditions outside of British Gas's control, such as Acts of God (fire, severe weather etc). It does not apply to retail stores, service centres or any distributors or agents. British Gas will not recognise any changes to this warranty by third parties. British Gas shall not be liable for any incidental or consequential damages caused by the breach of any expressed or implied warranty. Except to the extent prohibited by applicable law, any implied warranty of merchantability or fitness for a particular purpose is limited in duration to 7 years.

This warranty does not affect your statutory rights. Except for death or personal injury, British Gas shall not be liable for any loss of use, damage, cost or expense relating to this product or for any indirect, or consequential loss, damages or costs incurred by you or any other user of this product.

British Gas will not be liable to pay for any CO investigation or service call carried out or arranged in response to an alarm.

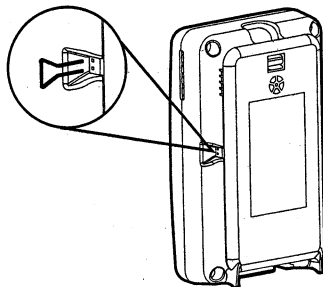
RETURNS

If there is a fault that we are unable to resolve then our technical support team member will provide you with instructions so that your product can be returned for replacement.

British Gas warranty and order line:
0800 294 4430

Deactivate the power pack by replacing the disabling clip as shown.

NOTE an extra disabling clip is provided under the 'REMOVE FOR DISABLING CLIP' label on the product.



KM 591988
BS EN50291-1:
2010+A1:2012

GN1957/RS