

LED indicator will flash 4 times and the alarm will sound two 4 pulse patterns. The alarm then resumes normal operation.

10. WARRANTY

Tyco warrants the Goods to be free from defects in workmanship and materials under normal use and service for a period of 12 months from the date of delivery to the Customer ("Warranty Period"). This warranty does not cover costs of claiming under this warranty or recovery of the Goods from the site or damage, fault, failure or malfunction due to external causes including accident, abuse, misuse, mechanical or electrical overload, abrasion, corrosion, failure to comply with Tyco's or the original manufacturer's instructions (including any installation, operating or maintenance instructions or manuals), incorrect installation, failure to perform required preventative maintenance or normal wear and tear.

For equipment forming part of the Goods which equipment is not manufactured by Tyco. Then the original manufacturer's warranty will apply. Tyco's liability for such equipment shall not exceed the liability of the manufacturer.

During the Warranty Period, to the extent permitted by law, the Customer's sole remedy with respect to breach of warranties set out in this clause will be repair or replacement by Tyco (as Tyco may elect) any such defective Goods at Tyco's expense. The replacement or repaired Goods shall be covered by the unexpired portion of the Warranty Period in respect of the original Goods or for a period of 30 days, whichever is the greater."

Evidence of purchase date will need to be provided for any claims arising during the Warranty Period. Any warranty claim must also detail the basis of the alleged warranty breach in writing and be delivered to Exelgard by post at 2-8 South Street, Rydalmere, NSW 2116 or by email to: warranty.exelgard@tycoint.com

To the extent that any goods or services supplied by Exelgard are supplies to a 'consumer' as defined in the Australian Consumer Law, Exelgard will comply with any applicable consumer guarantees and the following statement will apply:

"Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonable foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure."

This warranty is in addition to any other rights or remedies which may be available to the consumer at Law.

Distributed by Tyco Australia Pty Ltd,
t/a Exelgard

Address:

2-8 South Street, Rydalmere,
NSW 2116 Australia

Telephone:

1300 300 644

Website:

www.exelgard.com.au



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A Tyco Business

CARBON MONOXIDE ALARM

– EXCO-1

USER INSTRUCTIONS



This product is certified to EN50291:2001 Standard

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1. INTRODUCTION

Thank you for purchasing a quality Exelgard Carbon Monoxide alarm. This Carbon Monoxide (CO) alarm is powered by 4 double AA batteries (included).

What you should know about Carbon Monoxide (CO)

Carbon Monoxide is a colourless, odourless, tasteless gas. It is a cumulative poison. Even low levels of CO have been shown to cause brain and other vital organ damage in unborn infants with no effect on the mother.

The following may be symptomatic of CARBON MONOXIDE POISONING:

MILD EXPOSURE

Slight headache, nausea, vomiting, fatigue (often described a "flu-like" symptoms).

MEDIUM EXPOSURE

Severe throbbing headache, drowsiness, confusion, fast heart rate.

EXTREME EXPOSURE

Unconsciousness, convulsions, cardiorespiratory failure, death.

Many cases of reported CARBON MONOXIDE POISONING

indicate that victims are aware they are not well, but they become so disoriented that they are unable to save themselves by either exiting the building or calling for assistance. Young children and household pets may be the first affected.

Your CO alarm is designed to detect the toxic carbon monoxide gas fumes that result from incomplete combustion, such as those emitted from certain fuel burning appliances, and generators, fire places, furnaces, and auto exhaust.

A CO alarm is NOT A SUBSTITUTE for other combustible gas, fire or smoke alarms. This carbon monoxide alarm is designed to detect carbon monoxide gas from ANY source of combustion.

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

WARNING: This product is intended for use in ordinary indoor residential locations of family homes/caravans/motorhomes. It is not designed for commercial or industrial applications. Individuals with medical problems may consider using warning devices which provide audible and visual warning for carbon monoxide concentrations under 30PPM. This model is not designed for marine use.

2. WHAT YOU SHOULD DO IF THE ALARM SOUNDS

Never disconnect a CO alarm to silence an alarm. The alarm will automatically sound when the level of CO increases to a dangerous level. You should quickly move to a source of fresh air (open window or external door) until the alarm is silenced. When the alarm sounds, do not stand too close to the alarm. The sound produced by the alarm is loud because it is designed to awaken a person in an emergency. Prolonged exposure to the alarm at a close distance may be harmful to your hearing.

1. Call your emergency services (000) and request the fire brigade.
2. Immediately move to fresh air – outdoors or by an open door/window. Do a head count to check that all persons are accounted for. Do not re-enter the premises nor move away from the open door/window until the emergency services have arrived, the premises have been aired out, and your alarm has returned to its normal condition.
3. After following steps 1-2, if your alarm reactivates within a 24 hour period, repeat steps 1-3 and call a qualified appliance technician to investigate for sources of CO from all local fuel burning equipment and appliances and inspect for proper operation of such equipment and appliances. If problems are identified during this inspection, have the equipment serviced immediately. Make sure that a motor vehicle is not, and has not been, operating in an attached garage or adjacent to the residence.

3. INSTALLATION LOCATION - CARAVANS AND MOTORHOMES

A central location about 183cm from the floor, closest to where the majority of people will sleep is the best location for a CO detector. CO rises slowly as the air in the room warms, but can stay close to the floor in a cool enclosed space.

WARNING: Never remove the battery to stop a nuisance alarm. Open a window or fan the air around the alarm to get rid of the smoke. The alarm will turn itself off when the smoke is gone.

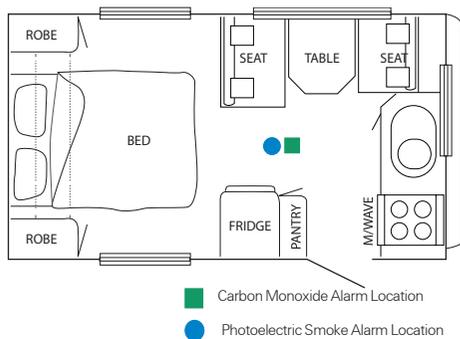


Figure 1

LOCATION FOR INSTALLING CARBON MONOXIDE ALARM AND PHOTO ELECTRIC SMOKE ALARM IN MOTORHOME/CARAVAN

WARNING: Do not stand close to the smoke alarm when the alarm is sounding. The alarm is loud in order to wake you in an emergency. Extended exposure to the sounder at close range may be harmful to your hearing.

4. INSTALLATION LOCATIONS - DOMESTIC DWELLINGS

One of the most important considerations in any CO alarm system is the location of the alarms. Statistics show that most of the fatal CO occurrences happen at night while people are sleeping.

Early warning of CO is best achieved by the installation of CO alarms on all floors and areas of the household. Placement of an alarm in a garage may be a nuisance, due to CO from automotive exhaust.

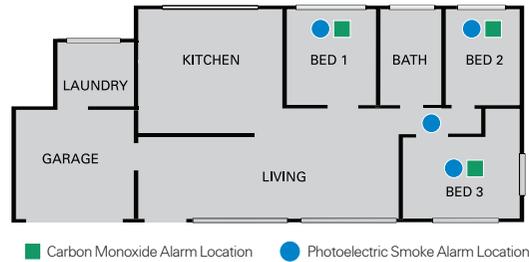


Figure 2

LOCATIONS FOR INSTALLING CARBON MONOXIDE ALARMS AND PHOTO ELECTRIC SMOKE ALARMS IN A SINGLE-FLOOR RESIDENCE WITH THREE BEDROOMS

RECOMMENDATION

Put a CO alarm inside each bedroom where the occupant closes the door while sleeping. Particulate smoke can be blocked by a closed door, but CO fumes are likely to get through.

MOUNTING LOCATION

This CO alarm can be mounted on the wall or ceiling.

Wall Location: Locate the top of the alarm not more than 183cm from the floor.

Ceiling Location: Alarm should be mounted as close as possible to the centre of a hallway or room. If this is not possible, the edge of the alarm should be at least 10cm from any wall.

5. WHERE NOT TO INSTALL YOUR CO ALARM

Nuisance alarms are caused by placing alarms where they will not operate properly. To avoid nuisance alarms, do not place alarms:

- Within 152cm of any cooking appliance
- Near an open window or door, because the fresh air

entering the opening may delay CO from reaching the alarm

- In damp or very humid areas or next to bathrooms with showers. Install alarms at least 3m away from bathrooms
- In very cold or very hot environments or in unheated buildings or outdoor rooms where the temperature can go below or above the operating range of the alarm. Temperature range for proper operation are 4.4° - 38° C

In addition, nuisance alarms may occur as a result of:

- Excessive spillage or reverse venting of fuel burning appliances caused by outdoor ambient conditions.
- Wind direction and/or velocity, including high gusts of wind. Heavy air in the vent pipes (cold/humid air with extended periods between cycles)
- Negative pressure differential resulting from the use of exhaust fans
- Simultaneous operation of several fuel burning appliances competing for limited internal air
- Vent pipe connections vibrating loose from clothes dryers, furnaces, or water heaters
- Obstructions in or unconventional vent pipe design which can amplify the above situations
- Extended operation of unvented fuel burning devices (range, oven, fireplace, etc.)
- Temperature inversions which can trap exhaust gasses near the ground
- Car idling in an open or closed attached garage, or near a home.

6. INSTALLATION INSTRUCTIONS: CAUTION...READ CAREFULLY

Your carbon monoxide alarm is designed for easy mounting on wall or ceiling.

A complete mounting kit is included with the carbon monoxide alarm. First place the mounting bracket on the wall or ceiling surface, and using a pencil, mark two drill-hole locations on the wall or ceiling surface. Check with the size of the screws provided an appropriate size drill bit, drill the two holes on the wall or ceiling, then attach the mounting bracket on the wall or ceiling with the screws provided.

For concrete or masonry surfaces, two dowels are included. Use a 5.5mm masonry drill to drill the two mounting holes, to a depth of 25-30mm in the concrete or masonry, insert the dowels, then secure the mounting bracket to the dowels with the screws provided.

Second, install the batteries in the correct orientation as noted on the inside of the battery door. The alarm LED will flash once a second for about 60 seconds, indicating proper battery installation, then twist and lock the carbon monoxide alarm on mounting bracket. The alarm is equipped with a safety device which prevents attachment to the mounting bracket unless the batteries are correct placed. If your carbon

monoxide alarm will not lock into the mounting bracket, check to make sure the batteries are correctly installed.

After completion, check that your CO alarm is securely mounted.

CAUTION! UNLESS ALL BATTERIES ARE INSTALLED, THE BATTERY DOOR WILL NOT CLOSE AND THE UNIT WILL NOT ATTACH TO THE MOUNTING BRACKET.

NORMAL OPERATION

In normal operation, the alarm will flash the green LED indicator once every 30 seconds.

ALARM CONDITION

If the alarm senses unsafe levels of CO, the red LED indicator will light up and the alarm will sound every second. Immediate evacuation is required. The alarm will sound until the unsafe CO concentration is removed.

7. MAINTENANCE/SERVICE

To replace the battery, remove the alarm from the mounting plate by rotating the alarm anti-clockwise.

The CO alarm is powered by 4 AA size 1.5V alkaline batteries. Fresh batteries should last for at least one year under normal operating conditions. This alarm has a low battery monitor circuit which will cause flash the red LED indicator to flash once and the sounder to "chirp, chirp" approximately every 25-35 seconds for a minimum of 7 days when the battery gets low. Replace the battery when this condition occurs. WE RECOMMEND YOU USE THE FOLLOWING 1.5 VOLT BATTERIES FOR CO ALARM REPLACEMENT

Alkaline Type: EVEREADY E9 1; DURACELL MN 1500;

NOTE: REGULAR TESTING IS RECOMMENDED

The Orange LED indicator will flash when service is required to your alarm (replace batteries).

8. CLEANING YOUR ALARM

To clean your alarm, remove it from the mounting plate as outlined in these instructions.

You can clean the interior of your alarm by using your vacuum cleaner hose and vacuuming through the openings around the perimeter of the alarm.

WARNING: The outside can be wiped with a damp cloth. Do not use any household cleaning agents, ammonia based cleaners, paints, varnishes or any other chemical on or near your alarm. AFTER CLEANING, RETEST YOUR ALARM BY USING THE TEST BUTTON.

9. TESTING YOUR ALARM

Test alarm weekly for proper operation by pushing the test button for approximately three seconds. Release the button. The alarm will then test itself for proper operation and the red