

SMART SENSE Domestic Carbon Monoxide Alarm

Installation & Operation Instructions Model XCD-01

Introduction

Thank you for purchasing the SmartSense. Please take a few minutes to read this guide and familiarise yourself with the features of the alarm. We also advise that you put this manual in a safe place for future reference.

Features

- Loud 85db alarm
- Powered by 9V battery
- Green flashing light to indicate normal operation
- Red flashing light to indicate the presence of carbon monoxide
- Yellow flashing light to indicate a sensor fault
- Test and reset button
- Alarm memory feature
- LCD display
- Low battery warning

Where best to install your SmartSense Alarm

Ideally, the detector should be installed in every room containing a fuel burning appliance. Additional detectors may be installed in other rooms to ensure that adequate warning is given to those in rooms away from the detector and who may not be able to hear, and in bedrooms. If this is not possible and where there is a fuel burning appliance in more than one room, the following should be considered in reaching a decision on where best to locate your detector.

Install the detector in a room with an oil, gas or solid fuel appliance.

Install the detector in a room that is used most by the occupants of the house.

If the detector is to be installed in a room that is both the living room and bedroom, then it should be installed *as far from the appliance and as near to the bed as is possible*.

The following should be taken into consideration when installing in a room containing the appliance.

Locate the detector 3 – 4 metres from the fuel burning appliance

If there is a partition, the detector should be installed on the same side as the appliance.

If the detector is to be installed on a wall, it should be 150mm from the ceiling and at a height greater than the top of doors and windows.

If the detector is to be installed on the ceiling, it should be at least 300mm from any wall or light fitting.

If the detector is to be installed in a room with a sloped ceiling, then it should be placed on the high side of the room.

If the detector is to be installed in a bedroom, then it should be placed close to the breathing area.

If the detector is to be placed on a shelf, ensure that there are no obstructions in its path.

The detector should never be installed in the following areas

Enclosed space such as a cupboard.

Beside an extractor fan.

Next to an air vent.

Damp or humid area – bathroom or shower area.

Directly beside a cooker.

Beside a door or window.

In an area that can drop below -10°C or exceed 35°C.

It should also be noted that paints, solvents, adhesives, some cleaning agents, etc can affect the detector, so it is advised that you ventilate the room if they are being used.

Installation of the SmartSense is quick and easy

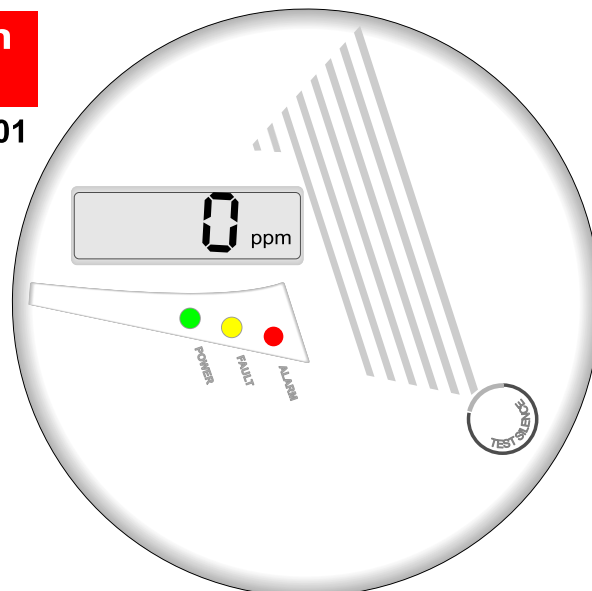
Remove the mounting bracket from the back of the alarm by twisting in an anti-clockwise direction. After selecting the best location, drill two 5mm holes in the wall or ceiling using the mounting bracket as your template.

Screw the mounting bracket onto the wall or ceiling. Insert battery and test.

Twist alarm back onto mounting bracket. If you decide to place the detector on a shelf, please refer to the recommendations made earlier.

Guarantee

We, IQ Design Limited, guarantee that the SmartSense is free from defects under normal residential use for a period of 1 year from the date of purchase. In the unlikely event that the instrument fails to operate as intended, and provided that it is returned during the first year accompanied with proof of purchase, we, at our discretion, will replace the unit free of charge. In such cases, the guarantee will last the remaining time from the original purchase date and not from the replacement date. If the model being replaced is no longer in stock, we reserve the right to replace the detector with an alternative updated model. This guarantee does not cover damage resulting from misuse, disassembly, accident or lack of reasonable care or applications not in accordance with these instructions. It does not cover anything that would be considered to be outside our control such as fire, flooding, etc. We shall not be liable for any incidental or consequential damage caused by the breach of any expressed or implied warranty. This guarantee does not affect your statutory rights.



Operating Features

When the SmartSense is in standby mode, it will display "0 PPM". This display indicates that the sensor is detecting 0 parts per million of CO gas. This detector has been designed to detect levels above 50PPM. All levels between 0 and 50PPM will be displayed as 0 PPM.

The carbon monoxide sensitivity sensor which is manufactured by Nemoto in Japan and which complies with the requirements of EN50291:2001 in conjunction with the electronic circuitry has been programmed to respond within the following time scales:

Detection Rate

50PPM

100PPM

300PPM

Alarm Response Time

within 60 to 90 minutes

within 10 to 40 minutes

within 3 minutes

By pressing the test button, you will test the detector's electronics, battery and alarm sounder. It is recommended that this is carried out on a regular basis; preferably every week. It has been designed to record the highest reading of carbon monoxide that has been detected in the previous week. Every time you press and hold the test button, this information will be displayed. It is quite normal for 0PPM to continue to display, thus indicating that no carbon monoxide has been detected in the previous 4 weeks. The detector will reset to 0PPM after the test has been carried out.

Maintaining your SmartSense

In the event of carbon monoxide above 50PPM being detected and assuming its regular maintenance; the detector will sound an alarm. In order that you keep your detector in good working order, we recommend that you test your detector on a weekly basis.

Keep your detector free from dirt and dust.

Do not paint or cover in any way.

What to do in the event of an alarm

Open all doors and windows.

Turn off all fuel burning appliances.

Leave the property whilst leaving doors and windows open.

Contact the necessary emergency service.

Do not re-enter until the alarm has stopped.

Get medical help for anybody who is suffering from the effects of carbon monoxide poisoning – headaches, nausea, etc.

Battery Replacement - when your battery is coming to the end of its useful life, the detector will chirp once every 30 seconds. To replace the battery, simply twist the detector off the bracket, remove and replace battery. After replacing, it is recommended that you run a test by simply holding the test button down for a few seconds ensuring that the red light flashes. This will also reset the alarm.