

Specifications

Operating Frequency	869.2125 MHz radiating less than 10mW (Other custom frequencies possible)
Dimensions	H100 x W65 x D33 mm
Power Supply	Sealed lithium battery
Transmitter Battery Life	Up to 10 years
Device Life	10 years
Wireless Range	Up to 600m line of sight
Compliance	CE / RoHS 2 / RED
Warranty	24 months

Batteries / Lifespan of Alarm

The CO alarm contains a non-user replaceable lithium battery, which should last up to 10 years, dependent upon use and the environment in which it is located. Extended periods in alarm mode will significantly reduce the life of the battery. In the event of a low battery, the unit will beep every 60 seconds. When the CO alarm battery becomes low, the complete alarm unit must be replaced.

Irrespective of the battery life, the smoke alarm has a fixed 10 year lifespan indicated by the date printed on the side of the alarm. The alarm must be replaced by this date. The alarm should also beep three times every minute to indicate End of Life.

The radio transmitter within the pattress contains a 3V lithium coin cell battery which is also not replaceable by the user. Typically, the battery will last up to 10 years dependent upon the application. When the battery depletes, the complete transmitter unit must be replaced. It is also recommended that the entire CO alarm is replaced.

Packing for shipment

The equipment containing cells or batteries must be packed in strong rigid packaging and must be secured against movement within the outer packaging to prevent accidental activation. The sender's name and return address must be clearly visible on the outer packaging.

Safety

Do not dismantle or alter the unit. Do not open the case. Indoor use in dry location only.

Disposal

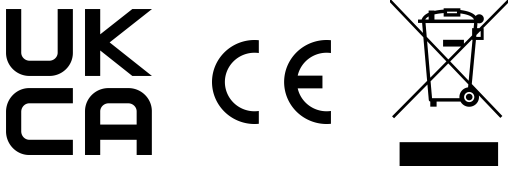
All electronic waste should be disposed of in accordance with the latest legislation.

It must be disposed of within the electrical and electronic waste stream and not be disposed of in the normal waste stream. Recycling electrical waste products (including the lithium batteries contained within) help to conserve natural resources and prevent adverse effects on the environment.

Contact your supplier should you require more information.

Declaration of Conformity

Hereby, Cair (UK) declares that the radio equipment type CO Alarm is in compliance with Directive 2014/53/EU.



Cair (UK)  
Hanson Lane, Halifax, West Yorkshire, HX1 4SD  
T: 01422 399 155 E: sales@we-cair.com W: www.we-cair.com



Smart Technology, Made to Care

CO Alarm

Carbon Monoxide Detector



The CO Alarm is a discreet, portable & compact unit which will provide the earliest possible warning of harmful levels of Carbon Monoxide.

If Carbon Monoxide is detected, a loud audible alert will be emitted and a radio message will be sent to the alarm receiving device.

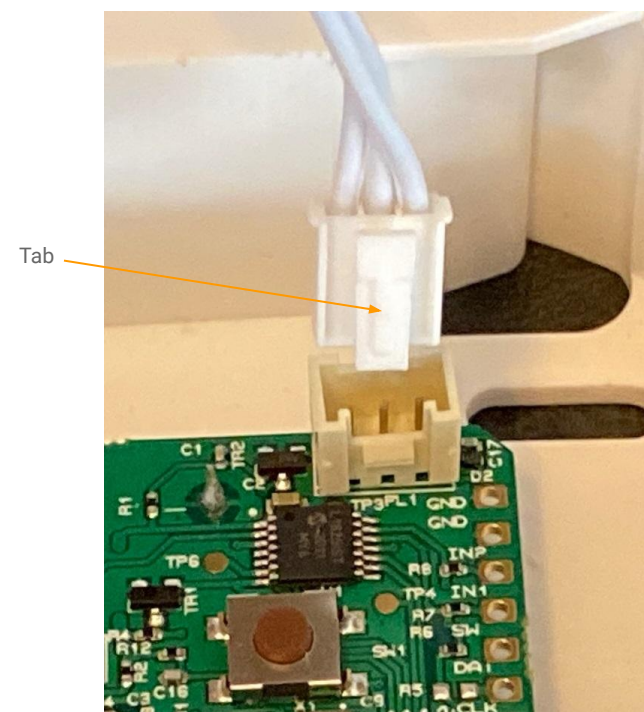


Figure 1



Figure 2

## Product Description

The Carbon Monoxide (CO) Alarm is a discreet, compact, battery powered unit which will provide the earliest possible warning of harmful levels of Carbon Monoxide.

If Carbon Monoxide is detected, a loud audible alert will be emitted and a radio message will be sent to the alarm receiving device. The unit comes complete with a pattress containing a radio transmitter. The pattress also provides mounting options for securing the CO Alarm to the wall or ceiling.

**Note:** This is a supplementary guide to the manufacturer's User Manual. Please read both documents before installing and using the CO Alarm.

## Positioning

This section contains general details on positioning the alarm. Please refer to the manufacturer's User Manual enclosed with the alarm for full details relating to correct positioning.

The CO Alarm should be installed in the same room as the fuel burning appliance being monitored, and positioned between 1m to 3m from that appliance. Where possible, it should be positioned on a wall above the height of any door or window and at least 150mm from the ceiling. If the alarm is mounted on the ceiling it should be at least 300mm from a wall. The location should also be unobstructed and at least 300mm from any beam, light fitting, vent, etc.

Ensure the chosen location is also within range of the alarm receiving device.

## Installation

The pattress can be secured to the wall/ceiling using the enclosed fixings. Once the pattress is mounted, the wire from the CO alarm should be plugged into the radio interface ensuring that the plug is correctly orientated and a click is heard (see figure 1).

To assemble, first ensure that the wire is folded neatly into the pattress then place the CO alarm on top of the pattress, ensuring that the aperture for the switch lever is located onto the pillar in the pattress. Slide the unit downwards so that the slots at the top are engaged and the locking tag (see figure 2) fully clicks into place. This action will also switch the CO alarm on and the unit will initiate a short test sequence when powering up.

The CO alarm can now be activated using the test button on the front of the unit to ensure that it is functioning correctly and that the radio transmitter operates.

To separate the CO alarm from the pattress, depress the locking tag and slide the unit towards the top. This action will also switch the CO alarm off.

## Status Indications

There are three LED indicators on the front of the CO alarm:

1. Alarm - Flashes red when the alarm has detected harmful levels of CO
2. Power - Flashes green once every minute to show the alarm is powered and operating correctly
3. Fault - A yellow LED indicates a fault within the alarm

The flashing LEDs and sounder within the alarm can indicate the following conditions:

- **CO Detected** - Repeating series of 4 beeps with red LED
- **Test** - One series of 4 beeps with red, green and yellow LEDs
- **Low Battery** - A single beep every minute
- **Fault** - Two beeps every minute with red and yellow LEDs
- **End of Life** - Three beeps every minute

## Testing

Testing can be carried out by simply pressing the Test button on the front of the unit. All three LEDs will flash once, one after another, followed by four beeps from the sounder. A signal to the alarm receiving device will also be transmitted.

**Note:** The electronic test button provides a full test of the alarms functionality. Do not try to test the alarm using gas, smoke or naked flame as damage will occur.

## Silencing

The CO alarm can be silenced by momentarily pressing the silence button. This is ideal for non-emergency situations where nuisance alarms may have been created. The CO alarm will automatically reset to quiescent mode after 10 minutes.

Low battery warnings can also be silenced. As low battery alerts often arise during the night, the audible warning can be temporarily silenced for ten hours by momentarily pressing the silence button.

## Cleaning

The CO alarm should be cleaned regularly to ensure it works properly. Keep it free of dust and vacuum it every month and ensure the vents are clear. Every six months, wipe the outside with a damp cloth to remove staining and grease from cooking etc