

CAVIUS

THE WORLD'S SMALLEST ALARMS

CAVIUS NANO CARBON MONOXIDE ALARM (CO)



Product Code:	4002 CAVCO
Diameter:	40mm
Profile:	14mm (Ressed) - 44mm (Standard)

PRODUCT DESCRIPTION

Carbon Monoxide (CO) is a colourless, odourless and tasteless poison gas that can be fatal when inhaled. CO is the product of incomplete combustion and can come from any fuel-burning appliance that is malfunctioning or improperly installed such as; a blocked chimney or flue, gas range grill or stove, fireplaces, etc.

The CAVIUS CO alarm is not only the world's smallest, it also contains advanced technology and intelligent features. The alarm will make a CO reading every 30 seconds if the concentration is less than 200 parts per million (ppm).

At 300 ppm, the alarm will activate.

FEATURES

- 10 Year 'long-life' battery (sealed)
- A penetrating sound at 85 db(A) at 3 meters
- 10 minute hush and test button
- 30 day low battery warning
- Unique 'smart-clip' ceiling mechanism
- Aesthetically pleasing
- Environmentally friendly
- N50291-1:2018 certified – residential dwellings
- EN50291-2:2010 certified – suitable for campervans and boats

CERTIFICATIONS

- EN50291-1
- EN50270
- EN60335
- RoHs
- Reach
- EN50291-1:2018
- EN50291-2:2010



QUALITY ASSURANCE

SOUND LEVEL:

100% tested in special designed sound chamber.

BATTERY VOLTAGE AND INTERNAL RESISTANCE:

100% tested.

ALARM FUNCTION:

100% tested.

VISUAL APPEARANCE:

100% tested.

PACKING CONTENT:

100% tested.

PRODUCT DATA

SMOKE ALARM TYPE:

Carbon Monoxide Alarm device.

USAGE:

Designed for installation in private homes, camping trailers, mobile homes and caravans.

Not recommended for boats.

FUNCTION:

The response of the CAVIUS CO alarm meet the requirements in EN50291-1:

- at 30 ppm CO, the alarm must not activate for at least 120 minutes
- at 50 ppm CO, the alarm must not activate before 60 minutes but must activate before 90 minutes
- at 100 ppm CO, the alarm must not activate before 10 minutes but must activate before 40 minutes
- at 300 ppm CO, the alarm must activate within 3 minutes

OPERATION AC/DC:

DC.

BATTERY TYPE:

3V CR123A Lithium battery, 1600 mAh (non-replaceable).

BATTERY LIFE:

Minimum 10 year life in normal operating condition. (Based on a weekly testing).

LOW BATTERY INDICATION:

A short acoustic 'beep' will sound and the LED will flash every 48 seconds when the voltage is below 2.85V. In this stage it will continue for minimum 30 days, and can drive the alarm for 4 minutes.

NORMAL OPERATION:

Alarm mode is indicated by a series of three successive tones.

SOUND:

Audible indicator of minimum 85 dB @ 3 metres.

SOUND PATTERN:

Normal mode	Short flash green LED every 60sec	- - - -
Alarm mode	Sound sweep with red LED	/// /// ///
Test pass	1 sound sweep and green LED will flash for 3sec	///
Battery fault	1 beep every 60sec with yellow LED	- - - -
Sensor fault	2 beeps every 60sec with yellow LED	-- -- -- --
End of life of sensor	3 beeps every 60sec with yellow LED	--- --- ---

PRODUCT WEIGHT (GR):

Base alarm weight (excluding screws, plugs and mounting ring): 43g.

OPERATING TEMPERATURE:

+4°C to +38°C (tested from 0 degrees to 55 degrees).

OPERATING HUMIDITY:

Up to 90% RH non-condensing.

DETECTION TIMING:

The alarm will make a CO sensor reading every 30 seconds if the concentration is less than 200ppm. At 200ppm or higher the readings will be made every 10 seconds.

INSTALLATION POSITIONS:

Wall & ceiling.

CE TESTING INSTITUTE:

LNE.

STORAGE TEMPERATURE:

-20°C to +60°C.

STORAGE HUMIDITY:

Up to 93% RH non-condensing.