

# Carbon Monoxide Alarms

**Powered-for-Life Lithium Battery**

**LCD Digital Display**

**Wireless interconnect RadioLINK module**



## Model EI208DWRF

- Proven electrochemical sensor (6 year life).
- Powered-for-Life sealed lithium battery.
- LCD displays CO (ppm), fault, diagnostic and warning messages.
- End of life indication.
- Easy to use large Test/Hush button.
- Pre-alarm indication gives early warning of CO.
- Each alarm has a loud distinct sound (85 dB(A) minimum at 3m).
- Memory feature indicates if CO has been previously detected.
- Power, alarm and fault indicator lights.
- 5 Year guarantee (limited).
- Interconnected alarms will all sound when CO has been detected.



## Product Description

The EI208DW Carbon Monoxide (CO) alarm is supplied with a powered-for-life sealed lithium battery and an RF interconnect module.

Using the unique house code feature, an interconnected system will sound all alarms when one detects CO.

The alarm has a high performance, proven electrochemical sensor to sense CO presence. The sensor is individually calibrated and tested in Carbon Monoxide (CO) gas to ensure accuracy.

The LCD displays CO level, status messages and icons.



The memory feature records the last CO alarm level and can be useful to check if CO has been present while the home owner or tenant has been absent from the property.

An easy to use Test/Hush button allows the user to check the alarm. This checks all aspects of the alarm (sensor, electronics, battery and sounder).

The alarm has an "End of Life" indicator which will notify the user when the alarm needs replacing at the end of its 6 year operational life.



## Operation

- When toxic levels of CO are detected, the alarm will sound and the red alarm light will flash and the LCD will display the CO concentration as detailed below:

LCD CO level	Red Led	Horn
30 to 43 ppm	Off	Off
43 to 80 ppm	1 flash every 2	On after 60 - 90 mins
80 to 150 ppm	1 flash every second	On after 10 - 40 mins
>150 ppm	2 flashes every second	On within 2 minutes

- When in pre alarm the LCD will display a 'VENTILATE' message and when in full alarm it will display an 'EVACUATE' message.
- The alarm and LCD will automatically clear when CO gas clears.
- If an End of Life or Sensor Fault is detected the LCD will display a 'REPLACE UNIT' message and the amber fault light will flash twice every 50 seconds.
- If a low battery is detected the LCD will display a low battery icon warning and the amber and green lights will flash once every 50 seconds.
- Test/Hush button operation:
  - When 'pressed and held' it will perform a test of the sensor, electronics, battery and sounder.
  - When 'pressed briefly' it will Hush (silence) the sounding alarm and all interconnected (RadioLINK) alarms.

**Australia** Head Office: 4 Pike Street Rydalmere NSW 2116  
**Ph**+61 2 9684 1466 **Fx**+61 2 9684 4146 **Toll Free** 1300 78 FIRE

**New Zealand** Unit 106, The Zone, 23 Edwin Street Mount Eden 1024  
**Ph**+64 9 638 4644 **Fx**+64 9 6384645 **Toll Free** 0800 220 007

**Web:** AUS - [www.brooks.com.au](http://www.brooks.com.au) NZ - [www.brooks.co.nz](http://www.brooks.co.nz)

## Technical Specification

<b>Sensor</b>	Proven Electrochemical, 100% calibrated and tested with CO gas to ensure accuracy. CO level is checked every 4 seconds.	<b>Indicator Lights:</b> <ul style="list-style-type: none"> <li>• Power-up &amp; Test</li> <li>• Alarm</li> <li>• Fault</li> <li>• Test / Diagnostic</li> </ul>	Green light Amber light Red Light Red, Amber & Green Lights
<b>Sensitivity</b>	Meets BS EN 50291:2001.	<b>Display</b>	24mm x 20mm passive LCD display
<b>CE Mark</b>	BS EN 50270:1999 (EMC) BS EN 60335-1:1994 (Safety)	<b>Button Test</b>	Checks the electronics, battery, horn and sensor
<b>Kitemark</b>	BS EN 50291:2001	<b>Memory Feature</b>	Records if a previous alarm threshold has been exceeded
<b>Supply Voltage</b>	Powered-for-life sealed lithium battery.	<b>Wireless(RadioLINK)</b>	868.499 MHz (1% duty cycle) EN300220-3
<b>Alarm Horn</b>	Piezoelectric	<b>Unique House Coding</b>	Security feature to eliminate interference from other RadioLiNK systems
<b>Sound Output</b>	85dB(A) at 3m. Modulated sound gives 3 rapid pulses followed by a ½ second pause.	<b>Fixing</b>	Screw fixing & free standing
<b>Temperature Range</b>	-10 <sup>0</sup> C to 40 <sup>0</sup> C	<b>Product Dimensions</b>	120 x 105 x 45 mm
<b>Relative Humidity</b>	15% to 95% non condensing	<b>Package Dimensions</b>	122 x 122 x 57 mm
		<b>Weight</b>	180g

## Product Family

Model Number	Description
Ei207	Stand alone with replaceable AAA Batteries
Ei207D	Stand alone with replaceable AAA Batteries and LCD Display
Ei208W	Powered for Life sealed Lithium Battery and optional RadioLINK upgrade
Ei208DW	Powered for Life sealed Lithium Battery, LCD Display and optional RadioLINK upgrade
Ei208WRF	Powered for Life sealed Lithium Battery with RadioLINK module fitted
Ei208DWRF	Powered for Life sealed Lithium Battery with LCD display & RadioLINK module fitted.
Ei200MRF	RadioLINK upgrade module for Ei208W and Ei208DW



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