

# Carbon Monoxide Alarm

230V~ mains powered

## Model Ei225EN

- Proven Electrochemical sensor
- Memory feature records if Carbon Monoxide (CO) has been detected
- Easy to use Test/Hush button
- Pre alarm LED gives early warning of CO
- Advanced suppression and calibration technology
- Loud distinctive alarm sound (85db (A) at 3 metres)
- Power, alarm and fault indicator lights
- Kitemarked to BS EN50291:2001
- 5 Year Guarantee



## Product Description

The Ei225EN is a Carbon Monoxide (CO) Alarm that runs on 230V AC mains power.

The alarm has a high performance electrochemical sensor to sense CO presence

The alarm has an integrated pattress and screws for easy wall or ceiling mounting

## Operation

- The green light will illuminate to show power is present.
- The alarm will sound and the red indicator will flash at different speeds to indicate the presence of various levels of CO gas (see overleaf)
- The alarm will beep and the amber indicator will flash every 40 seconds to indicate a fault on the sensor
- The 'Test/Hush' button will either silence false alarms (if briefly pressed) or perform a unit self test (if pressed and held). Note that the alarm cannot be silenced when sensing a CO level of 300ppm or above
- Memory Feature—after the unit as been in alarm, the red indicator will flash every 40 seconds at a rate indicating the CO level previously detected



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We reserve the right to amend designs and specifications without prior notice.

Ei225EN DataSht Rev 0 09.08.10

## Model Ei225EN

### Technical Specification

1. The CO Alarm carries the BSI Kitemark to indicate type testing to BS EN 50291:2001. It is CE marked to indicate conformance to Electrical Safety and Electromagnetic Compatibility Directives.
2. Operating Voltage: 230 ±10% VAC, 50Hz. 60mA power consumption. Alarm initialises in 70 seconds plus one amber light flash.
3. New generation electrochemical cell type Carbon Monoxide sensor checks CO concentration every 50 seconds. Each unit is calibrated and tested in CO gas in order to ensure accuracy.
4. High level of selectivity. No false alarms when exposed to the following interference gases for 2 hours: (as per UL2034 sec.38) Methane 500ppm, Butane 300ppm, Heptane 500ppm.
5. Supplied with integral mounting base and fixing screws: suitable for ceiling or wall mounting.
6. Green LED power indicator light indicates mains power is present.
7. Low and high level indicators - red LED indicator light flashes every 2 seconds at 50ppm CO (sounder operates within 60-90 mins); flashes twice every second at 100ppm CO (sounder operates within 10-40 mins); flashes 4 times per second at 350ppm CO (sounder operates within 3 minutes).
8. Fault indicator - amber LED flashes and horn beeps every 40 seconds if a fault is detected.
9. Manual Test/Hush button - press and hold the Test/Hush button to test circuitry and horn. Pressing and releasing the Test/Hush button when the unit is sensing CO will silence the alarm for 4 minutes. It will only silence once until the gas clears. At 300ppm CO the unit cannot be silenced due to the increased danger.
10. Quick CO gas test - allows quick and easy testing of the unit with CO gas. Pressing the Test/Hush button causes the sensor to test for CO every 4 seconds. The unit automatically resets after approximately 3 minutes.
11. Memory feature - pressing the Test/Hush button records if CO has been detected during a period of absence: red LED off - no CO recorded; Red LED flashes twice (every 40 seconds) - 50ppm CO recorded, red LED flashes 4 times (every 40 seconds) - 100ppm, red LED flashes 8 times (every 40 seconds) - 300ppm CO recorded. Pressing the Test/Hush button for 20 seconds resets the memory.
12. Built in sounder to give a minimum output of 85dB(A) at 3 metres. Modulated sound output - 3 rapid pulses followed by a 1½ second pause, repeated until reset. This easily differentiates it from a typical Smoke/Heat alarm.
13. Automatic reset of alarm test function and after an alarm state when CO gas clears.
14. Operating temperature range: -10°C to +40°C (14°F - 104°F). 15% to 95% relative humidity.
15. Dimensions: 135mm x 105mm x 42mm.
16. Weight inclusive of packaging: 230g.
17. 5 year guarantee.
18. Manufactured in Ireland.



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Europe's Leader in Residential Fire + Gas Detection  
Ei Electronics, Shannon, Ireland



Made in  
Ireland