

**TECHNICAL SPECIFICATION**  
**Ei225EN Mains Powered Carbon Monoxide Alarm**

- 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 red and amber light flash.
- 3) New generation electrochemical cell type carbon monoxide sensor with filter to enhance selectivity. Checks CO concentration every 50 seconds.
- 4) Each unit is calibrated and tested in CO gas in order to ensure accuracy, and meets the CO sensitivity requirements of BS EN 50291:2001.
- 5) CO sensitivity:  
At CO levels of 50ppm, the red LED on the cover flashes every 2 seconds (sounder operates within 60-90 mins); flashes twice every second at 100ppm CO (sounder operates within 10-40 minutes); flashes four times every second at 350ppm CO (sounder operates within 3 minutes).
- 6) Built in pattress with terminal block for ease of installation. Supplied with 2 fixing screws to allow ceiling or wall mounting. Tamper resistant cover.
- 7) Separate green LED mains indicator light confirms integrity of mains power supply.
- 8) Manual test/hush button - test button to test circuitry and horn. Automatic reset facility of alarm test function. Pressing and releasing the test/hush button when the unit is in alarm will silence the alarm for 4 minutes. It will only silence until the gas clears. At 300 ppm CO the unit cannot be silenced due to the increased danger.
- 9) Quick - test feature – pressing the test button causes the unit to sample for CO 4 seconds later. This allows quick and easy testing with CO gas. The unit will emit 3 beeps and the red LED on the cover will flash if CO gas is sensed. The unit will automatically reset.
- 10) Memory feature - pressing test 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 button for 20 seconds resets the memory.
- 11) 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 alarm.
- 12) Automatic self checking feature - amber LED flashes and alarm beeps every 40 seconds if a fault is detected.
- 13) Operating temperature range: -10°C to +40°C (14°F - 104°F).
- 14) Humidity range: 15% to 95% RH (non – condensing).
- 15) Dimensions: 135mm x 105mm x 42mm. Weight: 230g including packaging.
- 16) Manufactured in the EU.
- 17) 5 Year Guarantee.

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E&OE - As our policy is one of continuous product improvement, we reserve the right to vary details without prior notice