

## **TECHNICAL SPECIFICATION**

### **Ei220EN Plug-in Mains Powered Carbon Monoxide Alarm**

- 1) The CO Alarm shall carry 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. 50mA power consumption. Alarm initialises in 20 seconds plus one 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) Supplied with 2.5m lead with a 13 Amp fused plug for connection to a standard domestic wall socket.
- 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. Hush button to silence nuisance alarms from transient levels of CO. Alarm will turn on again after 4 minutes if CO still present. For safety reasons the alarm can only be silenced once in any one emergency.
- 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 45 seconds if a fault is detected.
- 13) Operating temperature range: -5°C to +40°C (23°F - 104°F). 15% to 95% RH (non – condensing)
- 14) Dimensions: 135mm x 105mm x 42mm. Weight: 360g including packaging.
- 15) Manufactured in the EU.
- 16) 2 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