

TECHNICAL SPECIFICATION
Ei261ENRC Mains Powered Carbon Monoxide Alarm with Rechargeable Lithium Cell Back-Up and Replaceable CO Sensor

- 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 Low Voltage and Electromagnetic Compatibility Directives.
- 2) New generation electrochemical cell type carbon monoxide sensor checks CO level every 70 seconds. Each unit is calibrated and tested in CO gas to ensure accuracy. Sensor module plugs into base of unit and should be replaced after 5 years. The amber 'Fault' light will flash once every 40 seconds (without a beep) to indicate the sensor should be replaced. Replacement sensor modules, Ei261MEN, are readily available at modest cost. Does not require an electrician to change the sensor.
- 3) High level of selectivity. No false alarms when exposed to the following interference gases for 2 hours: (as per UL2034sec.38) Methane 500ppm, Butane 300ppm, Heptane 500ppm, Ethyl Acetate 200ppm, Isopropyl Alcohol 200ppm and Carbon Dioxide 1000ppm.
- 4) 220 – 240V AC, 50 Hz mains powered. Power: 1 Watt, 60mA. Supplied complete with sealed-in tamper proof Panasonic Rechargeable Vanadium Pentoxide Lithium standby cells, designed to last at least 10 years without the need for replacement and can power the unit for a minimum 30 days in the event of mains failure. The rechargeable cells are monitored and if they start to be depleted (i.e. with mains off) or if they become defective the unit beeps every 40 seconds. The cell manufacturer has endorsed a minimum 10 yr life expectation for the rechargeable cells.
- 5) Supplied with 'Easi-fit' surface mounting plate, with integral terminal block, cable cover and fixing screws. Terminal block is permanently fitted to mounting plate. Built-in rechargeable cells connect as unit is slid on to the mounting plate. Conduit (up to 25 x 16mm) can be attached to the top or bottom of the unit for surface wiring. Can be ceiling or wall mounted.
- 6) Interconnection capability such that if one alarm sounds all interconnected alarms sound. Up to 12 units Ei261ENRC and Ei261DENRC can be interconnected. A flashing red LED identifies the unit that detected CO.
- 7) On first power up the Red and Amber LED's flash once; after 2 minutes settling, the unit operates normally.
- 8) Green LED indicator light confirms integrity of mains power supply.
- 9) 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)
- 10) Fault indicator - amber LED flashes and horn beeps every 40 seconds if a fault is detected.
- 11) Manual test/hush button - test button to test circuitry and horn. Pressing and releasing the test 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.
- 12) Quick CO Gas Test - reduces the time for testing with CO from at least 4 - 5 minutes to less than 10 seconds.
- 13) 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.
- 14) 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.
- 15) Automatic reset facility of alarm test when button is released, and after an alarm state when CO gas clears.
- 16) Tamper resistant cover, which cannot be removed from mounting plate without releasing catch with a small screwdriver. An optional locking screw can be screwed into the side to prevent removal. The rechargeable cells are not suitable for use with other products and are soldered on to the circuit board.
- 17) Operating temperature range: -10°C to +40°C (14°F - 104°F). 15% to 95% relative humidity (non-condensing).
- 18) Dimensions: 126mm x 150mm x 42mm. Weight: 350g.
- 19) Remote 5 amp relay Ei128RBU plus Ei128COV available as an optional extra, switchable for constant or pulse operation for use with a solenoid gas shut off valve, or for signalling a remote device
- 20) 5 Year Guarantee.
- 21) Manufactured in the EU.

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