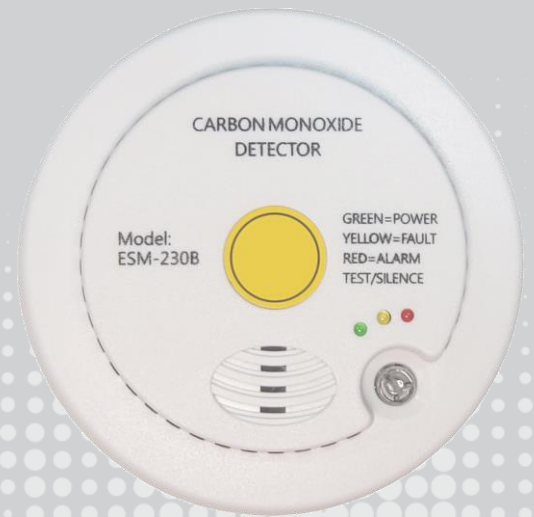# Carbon Monoxide Detector
## Household-Use Carbon Monoxide

When the detector's electrochemical sensor detects the presence of carbon monoxide (CO) above a specified level, it sounds an intermittent auditory alarm. Features include:

- 5 year lifespan for both sensor and internal lithium battery
- LED indicators:
    - Red – visual alarm for the presence of CO
    - Green – good operating order
    - Yellow – low battery, sensor failure, or end of operating life
- Auditory warnings:
    - 85 dB intermittent alarm – detection of CO
    - Beeping – sensor failure or end of sensor life
    - Intermittent buzzing – low battery
- Automatic reset: if an alarm has been sounded, the detector automatically resets when the detected level of CO drops below the alarm level. The detector is then ready to sound another alarm when appropriate.

## Care@Home™

Essence Care@Home™ enables families to be confident that their dear ones are cared for and able to maintain an independent lifestyle. The award-winning Care@Home™ Multi-Service Platform is an Aging-in-Place product suite that offers seamless home care monitoring indoors and outdoors, allowing independence for seniors and peace of mind for their loved ones. Essence is spearheading a paradigm shift in seniors' Aging in Place experience.

## SPECIFICATIONS

### GENERAL

- Carbon monoxide detector
- Classification: Type B
- Indoor use, IP20

### RESPONSIVENESS

- Stabilization time after power on: <30 seconds
- Sensitivity:
  - 30 ppm - alarm in 120 minutes)
  - 50 ppm - alarm in 60 minutes
  - 100 ppm - alarm in 10 minutes
  - 300 ppm - alarm in 3 minutes

### COMPONENTS

- Sensor type: Electrochemical cell
- Housing and wall mount material: ABS
- PCB mounted components: SMD
- Microprocessor
- Test button
- Alarm indicators:
  - Red LED
  - 85 dB auditory signal
- Status indicators:
  - Green and yellow LEDs
  - Beeper
  - Buzzer

### POWER

- Battery: 3.6V/4000mA internal lithium battery
- Battery life: 5 years

### DIMENSIONS

- Size: 100mm diameter x 40mm high (3.9 in. diameter x 1.6 in. high)
- Weight: (including batteries): 175 g (6.2 oz.)

### ENVIRONMENT

- Storage ambient temperature range: 0°C to +20°C (32°F — 68°F)
- Operating ambient temperature range: +10°C to +50°C (50°F — 122°F)
- Relative humidity: 10 to 95% (non-condensing)

### CERTIFICATIONS and APPROVALS

- CE
- RoHs
- ISO 9002
- UNE Certification: EN-50291-1: 2018

### PART NUMBER: ESM-230B

CE