

### inair BB101 CO<sub>2</sub> monitoring system



Daily review, press and hold to see the max, min and average CO2 readings for the last eight hours

**Panel Connections:**

1. Live & Neutral 230 volts supply from 3amp switched fuse spur
  2. Earth connection terminals
  3. Displays the maxi, min and ave CO<sub>2</sub> levels recorded in the last eight hours
  4. Potential Free relay for high CO<sub>2</sub> detection. (used to activate additional ventilation)
  5. 0-10 volt output to fan speed controllers based on CO<sub>2</sub> levels
  6. LED indication of CO<sub>2</sub> levels
  7. CO<sub>2</sub> Sensor.
  8. Internal tone - enable/disable.
  9. Option Headers (for controlling SELV Relay, 0-10v and LED Colours)
- High Range Off : Low CO<sub>2</sub>=1000 ppm, High CO<sub>2</sub>=1500 ppm  
 High Range On : Low CO<sub>2</sub>=2800 ppm, High CO<sub>2</sub>=5000 ppm  
 Relay Hi Alarm : Off = SELV Relay changes on low CO<sub>2</sub>



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Power at 230 volts from a 3amp fused

The Inair BB101 is a CO<sub>2</sub> monitoring system.

CO<sub>2</sub> is now considered a primary indicator of air quality, with the latest legislation setting maximum limits for levels within education facilities

These includes the Department of Education building bulletin 101 (BB101), the supporting document to the building regulations part F. The BB101 states that the maximum level of carbon dioxide in the air within a classroom should be no more than 1,500 parts per million (ppm) averaged across the day.

**Audible indications:**

An internal toner is provided to give the following sounds:  
 Alarm, beep every 5 minutes.  
 There is an option to disable the alarm buzzer on the panel circuit board.

**Control Panel** the front of the panel has the following controls and indications:

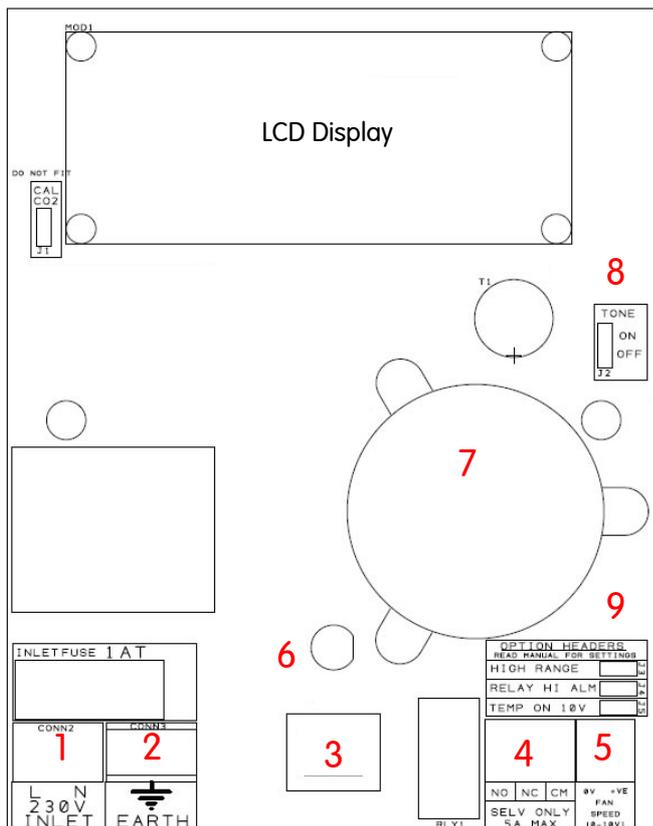
**LCD Indication:** Bi-Colour LED indicates current air quality

- Green - Low
- Yellow - Medium
- Red - High

**LCD Display:**

- Default view - Current CO<sub>2</sub>, and temperature levels
- Daily review - Displays the maximum, minimum and average CO<sub>2</sub> levels recorded in the last eight hours

H 180mm, W129mm, D35mm



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## Medem UK Warranty Terms & Conditions

1. The warranty is a parts warranty and Medem UK Ltd will not cover or accept any labour or other expenses that may be incurred in the process of changing faulty product.
2. All panels and sender units are covered by a five year warranty.
3. Gas detector units and other remote detectors carry a two year warranty.
4. Gas solenoid valves carry the original manufacturers warranty, though as the supplier Medem UK will exchange faulty valves for return to the manufacturer.
5. Where a Medem UK engineer (or another company appointed by Medem UK) commission and installed system then that system will carry a ten year warranty. This applies to the main panel and the sender unit. At the time of commissioning a security label with a serial number will be attached to the main panel box. photographs and a comprehensive record of the installation will be held by Medem UK.
6. Where a warranty claim is made then, where appropriate, a written order to attend site must be provided to Medem UK A cost for labour and travel to site will be prepared as a quote. The cost must be included in the order.
7. Where it is found that the installation and/or the quality of workmanship has contributed to or wholly caused the failure of the product then we reserve the right to charge the whole or a proportion of the cost of the faulty item.