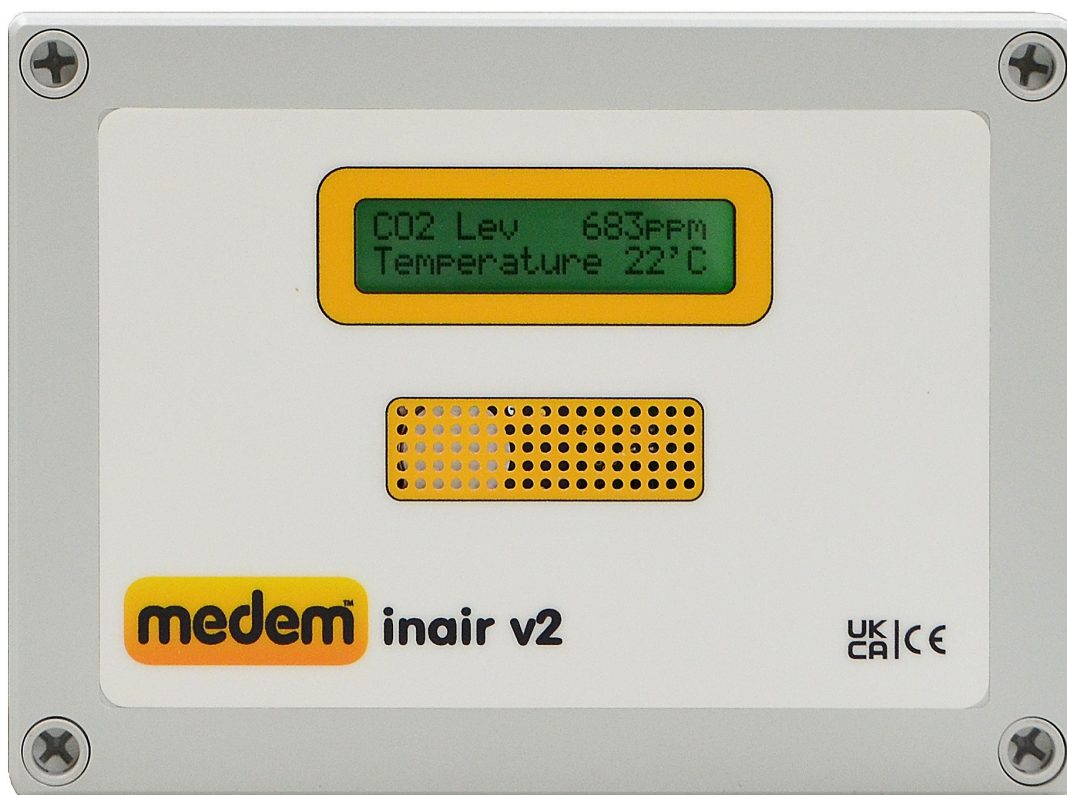# medem Inair v2

Inair v2 CO$_2$ monitoring system

The Inair v2 is a CO$_2$ monitoring system with optional temperature display which can be supplied as a mains powered standalone detector or as monitored detector connected to a Medem gas detection or gas proving panel.

CO$_2$ measurement can be used as an early indicator of deteriorating air quality within the built environment, in commercial kitchens and teaching areas in education buildings in line with BB101, IGEM/UP11, UP19 and BS6173

It is also used commercially in laboratories, production and the drinks and leisure industry where CO$_2$ leak detection monitoring is required.

Selectable alarm levels make the Inair v2 adaptable for each environment.

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

LCD Colour indication: *The RGB LCD display indicates current CO2 level*
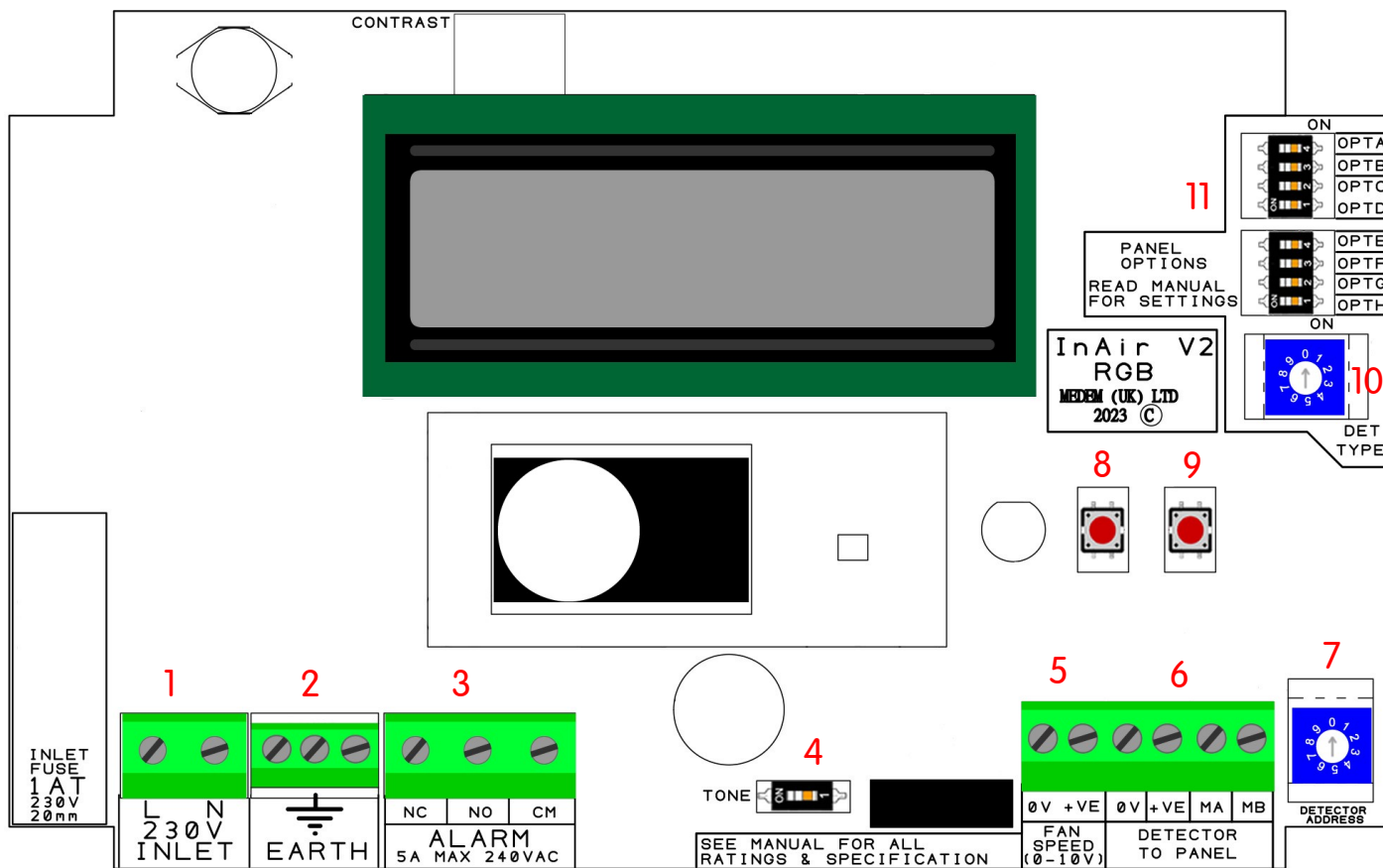Green   - Low
Yellow   - Medium
Red   - High

LCD Display:
Default view - Current CO$_2$, and temperature levels

Dimensions:
H 130mm, W180mm, D35mm

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Panel Layout

Power at 230 volts from a 3amp fused spur

Panel Connections

1. Live & Neutral 230 volts supply from 3amp switched fuse spur.
2. Earth connection terminals.
3. Potential Free relay for Low or High CO_2 detection (select using switch 11, OPTC).
4. Internal Tone Enable/Disable.
5. 0-10 volt output to fan speed controllers based on CO_2 levels.
6. For connection to another Medem control panel when being used as a CO2 detector.
7. Address selector (used with terminal 6).
8. Displays Min. Max and Average CO2 levels over the last eight hours.
9. Displays the 15 minute averages over the last eight hours.
10. Selector switch to set Panel type and CO2 alarm levels dependent on application.
11. Option Switches.

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10. Panel Function Selector Switch

Switch ID		Ok (PPM)	Low (PPM)	High (PPM)
0	Detector - SC2	0-4999	5001-9900	9901+
1	Detector - CH	0-2799	2801-4999	5000+
2	Stand alone - Classroom- non-gas - Naturally ventilated	0-1500	1501-1999	2000+
3	Stand alone - Classroom- non-gas - Mechanically ventilated	0-1000	1001-1499	1500+
4	Stand alone - CO2 Range to 0 ppm to 5000ppm (5k mode)	0-2799	2800-4999	5000+
5	Stand alone - CO2 Range to 0 ppm to 10,000ppm (10k mode)	0-4999	5001-9900	9901+
6	Stand alone - CO2 Range to 0 ppm to 1000ppm (1k mode)	0-799	800-999	1000+

11. Option Switches

Switch ID	
OPTA	Unused
OPTB	Enable/Disable Temperature Display.
OPTC	BMS Relay is Low/High alarm
OPTD	Temperature to affect 0-10V
OPTE	0/10V (from CO2) to span alarm range ppm or full sensor range ppm
OPTF	Unused
OPTG	Unused
OPTH	Unused

Inair v2

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. The Inair v2 is covered by a five year warranty from the date of dispatch when all installation and current wiring regulations have been followed.

3. 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.

4. 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.

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