

CO₂, TEMP & RH MONITOR (CO2M)

C/W RELAY OUTPUT (100-240V AC)



| OVERVIEW |

The Flamefast Carbon Dioxide, Temperature and Relative Humidity Monitor provides a bold visual indication of air quality using our signature multicolour backlit display, as well as having a digital readout to display the current levels/concentrations.

CO₂ levels are considered a good indication of general air quality, therefore can be used as an indicator that any airborne contaminants are being removed.

With a built in mains rated volt free contact, the unit can be easily interfaced with Ventilation and Window Control Systems, as well as Gas Safety Systems. Or it can simply be used as a visual indicator to advise further ventilation is required.

The unit offers four pre-set programs, two aimed at ventilation and two aimed at gas safety. These affect the display colour and relay setpoints.

| KEY FEATURES |

- 100-240V AC Power Supply
- Back plate can be pre-wired
- Clear digital readout
- Bold Multicoloured Indication
- Mains rated volt free contact output
- Typical 10+ year life expectancy
- Self-calibrating CO₂ sensor
- Mounts onto any standard single gang junction box or conduit box
- **UK MANUFACTURED**

Dimensions

Height	125mm
Width	86mm
Depth	36mm

Technical Specification

Power Supply	100 - 240V AC 50/60Hz
Power Consumption	3W Max
VFC Output	SPST - 5A @ 230V Max
Audible	60dB @ 30cm
CO ₂ Range	0 - 10,00ppm
CO ₂ Accuracy	±40 ppm +3% @ NTP
CO ₂ Display Resolution	1ppm
CO ₂ Sensing Method	Non Dispersive Infra-red (NDIR)
CO ₂ Typical Sensor Life	10+ Years
Temp Range	0 - 50°C
Temp Accuracy	±0.5°C @ 25°C
Temp Display Resolution	0.1°C
RH Range	0 - 100%
RH Accuracy	±2% @ 20 - 80%
RH Display Resolution	0.1%
Operating Conditions	Temp 0 - 50°C Humidity 0 - 95% (NC)
Sampling Method	Diffusion
IP Rating	IP40
Housing Material	PC/ABS
Colour	Pure White (RAL9010)
Approval	CE, UKCA

Installer Selectable Options

Audible Alarm	Enable/Disable
Backlight	Enable/Disable
Temperature Readout	Enable/Disable
RH Readout	Enable/Disable
Replace the CO ₂ PPM reading with "CO ₂ "	

The unit has four user selectable programmes to control the display colour and volt free contact set points depending on the application. These are as follows;

Programme	1	2	3	4
Green - Yellow	800	800	800	800
Yellow - Amber	1,000	1,000	1,500	1,500
Amber - Red	1,500	1,500	2,800	2,800
Relay Position	N/O	N/O	N/C	N/C
Relay Set Point	800	1,000	2,800	4,500
Audible Alarm	5,000	5,000	5,000	5,000

Part Numbers & Options/Accessories

Part No	Description
CO2M	CO ₂ , Temp & RH Monitor