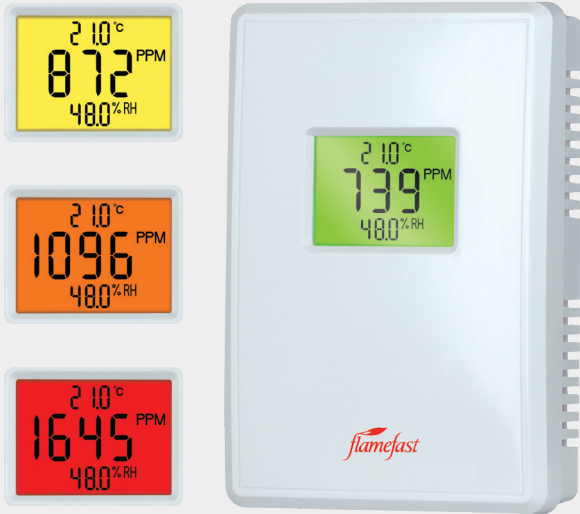


CO₂, TEMP & RH MONITOR (CO2M) C/W RELAY OUTPUT (100-240V AC)



| 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	
CO ₂ Range	0 - 10,000ppm	
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	Flame Retardant PC/ABS	
Colour	Pure White (RAL9010)	
Approval	UKCA, CE	

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 "	Enable/Disable

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
Yellow - 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