

CO2 & Temp Monitor (CO2M)



| Overview |

The Flamefast CO2 & Temperature Monitor gives a bold visual indication with a Tri-colour backlit LCD screen providing traffic light indication based on CO2 levels, as well as having a temperature readout.

Using the inbuilt volt free contact, the Monitor can be easily interfaced with any GasGuard system to meet

the requirements of IGEM/UP/11 Edition 2. The CO2M can also be interlocked with Ventilation systems and Window Controls for natural ventilation, or can simply be used as a traffic light indication to raise awareness of high CO2 levels.

With four user selectable programmes the CO2M offers flexibility for any application and helps avoid nuisance tripping.

As the Monitor requires a 230V power supply it is ideal for retro fitting as 24V is not always available.

| Key Features |

- 230V Power Supply
- CO2 ppm readout and traffic light indication
- Temperature readout
- Volt free contact alarm output
- Typical 15 Year life expectancy
- Self Calibrating CO2 Sensor
- Audible Alarm
- Mounts onto any standard Single Gang Junction Box

Dimensions

Height	130 mm
Width	85 mm
Depth	37 mm

Technical Specification

Power Supply	230VAC
Power Consumption	15mA
Display Resolution (CO2)	1ppm
Display Resolution (Temp)	0.5°C
CO2 Range	5000ppm
CO2 Accuracy	±30 ppm +3%
Output (Based on CO2 Only)	Volt Free Contact
Contact Rating	230V 3A Max
Temperature Accuracy	±0.5°C
Operating Conditions	0°C to 50°C
	0 to 95% Humidity
Sensing Method	NDIR
Typical Sensor Life	15 Years
Sampling Method	Diffusion
Warm-up Time	2 mins (2 hrs first use)
Approval	CE

Installer Selectable Options

- Temp display in °C / °F
- Traffic light changeover levels and Volt Free Contact activation point

The CO2M has four user selectable programmes to control the Volt Free Contact and LCD colour behaviour. These are as follows;

Program	1	2	3	4
Green – Yellow	1000	1500	1500	1000
Yellow – Red	2800	2800	2500	1500
Relay Position	N/C	N/C	N/C	N/O
Relay Set Point	5000	5000	2800	1000

Custom programs available on request

Part Numbers & Options/Accessories

Part No	Description
CO2M	CO2 & Temp Monitor (230V)