CO2M
CO2, VOC, TEMP & RH MONITOR (100-240VAC)

Dimensions

Height 125mm | Width 86mm | Depth 36mm

Technical Specification

Power Supply	100-240VAC 50/60Hz
Power Consumption	3W Max
CO2 Range	0 - 5,000ppm
CO2 Accuracy	±50 ppm +3% @ NTP
CO2 Display Resolution	1ppm
CO2 Sensing Method	Solid State NDIR
CO2 Response Time (T90)	30 Seconds
CO2 Typical Sensor Life	10 Years
VOC Range (CO2 Equivalent)	400-2,000ppm
VOC Accuracy	±5% @ NTP
VOC Display Resolution	1ppm
VOC Sensor Type	Semiconductor
Temp Range	0 - 50°C
Temp Accuracy	±0.3°C @ 20 - 40°C
Temp Display Resolution	0.1°C
RH Range	0 - 100%
RH Accuracy	2% @ 20 - 80%
RH Display Resolution	0.1%
VFC Output Rating	SPST - 5A @ 240V Max
Operating Conditions	Temp 0°C to 50°C
	Humidity 0 to 95% (NC)
Sampling Method	Diffusion
Warm-up Time	< 1 min
IP Rating	IP40
Housing Material	Flame Retardant ABS
Approval	CE

Installer Selectable Options

Audible Alarm
• Backlight (Enable/Disable)
• Traffic light changeover levels and Volt Free Contact activation (see below)
• Display options:
    º On standard Model   Replace PPM reading with 'CO2'
    º On -H model   Remove RH readout

The CO2M has four factory set user selectable programmes to control the Volt Free Contact and LCD Traffic Light behaviour.
These are as follows:

Programme	1	2	3	4
Green - Yellow	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	1,000	1,500	2,800	4,500

Part Numbers & Options/Accessories

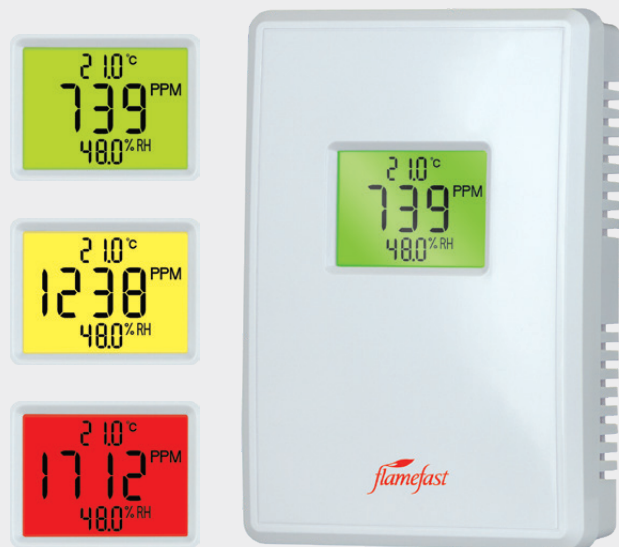| Part No	Description
CO2M	CO2 Monitor
CO2M-H	CO2, Temp & RH Monitor
CO2M-V	CO2 & VOC Monitor
CO2M-VH	CO2, VOC, Temp & RH Monitor

| OVERVIEW |

The Flamefast Carbon Dioxide, VOC (Volatile Organic Compounds), Temperature and Relative Humidity Monitor provides a bold visual indication using a traffic light backlit LCD, as well as having a digital readout to displays the levels/concentrations. When both CO2 and VOC levels are being measured, the unit will display the higher of the two concentrations as the VOCs are measured in CO2 equivalent for easy interpretation.

Using the built in Volt Free Contact, the unit can be easily interfaced with Ventilation and Window Control Systems, as we as Gas Safety Systems. The unit can also simply be used as a traffic light indication to raise awareness of CO2, VOC, Temp or RH levels.

The unit offers four user selectable programmes for different applications; two aimed at Ventilation and a further two aimed at Gas Safety. Custom software profiles are also available to control the audible alarm, the relay set point and the traffic light changeover levels, based on any combination of CO2, VOCs, Temp & RH (CO2/VOC as default).

| KEY FEATURES |

• 100-240VAC Power Supply
• The back plate can be pre-wired
• Clear digital readout
• Bold traffic light indication
• Volt free contact output
• Typical 10 Year life expectancy
• Self-Calibrating CO2 & VOC Sensors
• Audible Alarm
• Mounts onto any standard single gang junction box or conduit box
• **UK MANUFACTURED**

GAS SAFETY
Gas Proving, Detection & CO2 Monitoring