

# CO2M CARBON DIOXIDE MONITOR



## OVERVIEW

The CO2M Carbon Dioxide, Temperature & Relative Humidity Monitor provides a bold visual indication using a traffic light LCD, 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 traffic light 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 traffic light and relay setpoints.

## KEY FEATURES

- 100-240V AC Power Supply
- Back plate can be pre-wired
- Clear digital readout
- Bold Traffic Light Indication
- Mains rated volt free contact output
- Typical 10 year life expectancy
- Self-calibrating CO2 sensor
- Mounts on standard single gang junction / conduit box

## CO2M

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

## Dimensions

Height	125 mm
Width	86 mm
Depth	36 mm

## Technical Specification

Power Supply	100-240VAC 50/60Hz
Power Consumption	3W Max
CO2 Range	0 - 10,000ppm
CO2 Accuracy	±40 ppm +3% @ NTP
CO2 Display Resolution	1ppm
CO2 Sensing Method	Non Dispersive Infra-red (NDIR)
Temp Range	0 - 50°C
Temp Accuracy	±0.3°C @ 25°C
Temp Display Resolution	0.1°C
RH Range	0 - 100%
RH Accuracy	±2% @ 20 - 80%
RH Display Resolution VFC	0.1%
Operating Conditions	Temp : 0°C to 50°C Humidity: 0 to 95% (NC)
Sensing Method	Solid State NDIR
Typical Sensor Life	10 Years
Sampling Method	Diffusion
IP Rating	IP40
Housing Material	Flame Retardant ABS
Approval	CE

## Installer Selectable Options

- Enable/Disable Audible Alarm
- Enable/Disable (Backlight)
- Enable/Disable Temperature Readout
- Replace CO2 PPM reading with 'CO2'

## Part Numbers & Options/Accessories

Part No	Description
CO2M	CO2 Monitor
CO2M-H	CO2, Temp & RH Monitor

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

**Custom programs available on request**

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



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