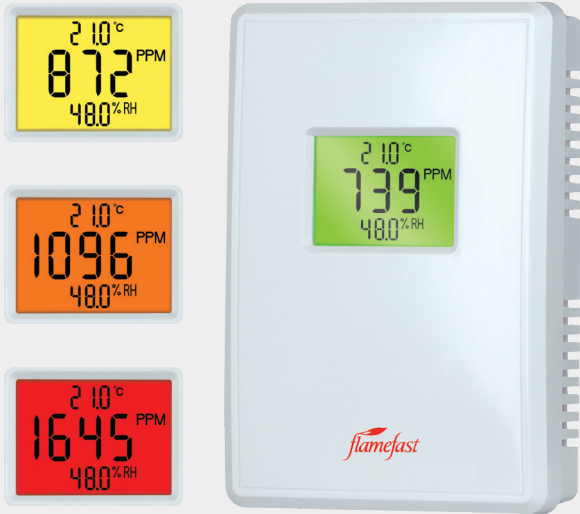


CO₂, TEMP & RH MONITOR (CO2M) C/W RELAY OUTPUT (100-240V AC)



| 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 |