

GASMONITOR

16 CHANNEL GAS DETECTION SYSTEM



| OVERVIEW |

The GasMonitor is a low cost high specification 16 channel gas detection panel designed for use with the Flamefast Gas Sensor range.

Any combination of sensors from the FGS range can be connected by simply wiring in parallel, cutting down on installation costs. The communication interface allows all sensor information to be displayed on the panel, this includes gas type, concentration status, alarms and calibration data.

The relay outputs allow the unit to be connected to external systems or alarm beacons and the latching and failsafe facilities combined with the additional device interfaces offer the flexibility to cover any application.

| KEY FEATURES |

- 16 Channel Monitor
- Clear LCD indication
- Auto-reset following power failure
- Fire Alarm test bypass timer
- 24VDC auxiliary power output to power up to 4-6 Flamefast Gas Sensors dependant on sensor type
- External power supply required for additional
- Additional Interfaces for:
 - Thermal Links, Ventilation Systems, Remote Emergency Stop Buttons and Fire Alarm Systems
- Sensor calibration reminder
- Alarm 1, Alarm 2 and Fault relays
- Selectable relay latching function
- **5 Year Warranty**
- **UK MANUFACTURED**

Dimensions

Height	180mm
Width	180mm / 190mm Including Hinge
Depth	60mm

Technical Specification

Power Supply	100-250VAC 50/60Hz	
Consumption	40 Watts (Panel only)	
Outputs	Gas Solenoid	Switched Mains
	Alarm 1	SPDT – 5A @ 250V Max
	Alarm 2	SPDT – 5A @ 250V Max
	Fault	SPST – 5A @ 250V Max
IP Rating	IP65	
Approval	CE	

External Device Interfaces

24V Out	Auxiliary Supply (300mA Max) for FGS
Gas Sensor	BACnet Interface for Gas Sensors
Ventilation	24V Signal to monitor external VFC
Thermal Link	24V Signal to monitor external VFC
Fire Alarm	24V Signal to monitor external VFC
Remote Stop	24V Signal to monitor external VFC

Installer Selectable Options

- Energise relays (Failsafe)
- Auto-reset
- Alarm 1 Latching
- Alarm 2 Latching

Basic Operation

The GasMonitor has three buttons on the front:

Reset - The GasMonitor Alarm 1 and 2 relays are activated depending on the sensor conditions. Once an alarm has cleared the reset button can be used to reset any relays that are set to latch this will also reset the Gas Valve output which will shut down if any sensor reaches Alarm 2.

Mute - If there are any gas alarms, this can be used to silence the panel for 10 minutes. If this is held in for 10 seconds, this will also reset any non-latching alarm relays for 2 minutes.

Test - The operation of the Test button is dependent on the panel status:

- If the panel is live without any alarm conditions, holding this button in for 10 seconds will enable the Fire Alarm bypass. The Fire Alarm interface will be ignored for 30 minutes to allow tests to be carried out.
- Following an alarm (prior to reset), holding the Test button for 5 seconds each will change the state of the Alarm 1, Alarm 2 and Fault relays.

Part Numbers & Options/Accessories

Part No	Description
GM-PO	GasMonitor Panel