GasGuard I Gas Proving System

| Overview |

The GasGuard I gas proving system is designed to meet the requirements of IGEM/UP/11 Edition 2, IGEM/UP/19 and BS6173:2009 with numerous additional safety features added based on our 35 years of experience in the industry.

Due to the ease of installation, user friendly interfaces and clear visual indications, the GasGuard I is widely considered to be the most cost effective system on the market, with quality product build and safety in mind.

With individual alarm indications for external devices and a dedicated engineers button, diagnosis of any site issues can be done quickly and hassle free.

| Key Features |

- No commissioning required
- 24VDC auxiliary power output
- Interfaces for Gas Sensors & CO2 Monitors, Ventilation Interlocks, Building Management Systems (BMS), Remote Emergency Stop Buttons and Fire Alarm Systems
- Built in time delays to avoid nuisance tripping
- Engineers Mode for easy fault diagnosis
- Temporary override to allow gas if the ventilation fails (CO2 sensor required)
- **UK MANUFACTURED**

Installer Selectable Options

- Gas Availability Timer (1-15 Hours or Constant)
- 2x 0-10V Inputs (Preset programs)

Technical Specification

Power Supply	230VAC
Power Output (Gas Solenoid)	230VAC
IP Rating	IP65 (Providing rear entry sealed)
Approval	CE

External Device Interfaces

BMS	Volt Free Contact (Valve Status) – Rated 230V 5A Max
Pressure	Monitors Flamefast Proving Assembly
24V Out	Auxiliary Power Supply (170mA Max) (to be used for Gas Sensors, Transmitters etc.)
Gas Sensor	24V Signal to monitor external VFC
Ventilation	24V Signal to monitor external VFC
Remote Stop	24V Signal to monitor external VFC
Fire Alarm	24V Signal to monitor external VFC
2x 0-10V In	Monitors external devices providing a 0-10V signal (programs preset – see Wiring Diagram for details)

Dimensions

Height	180 mm
Width	130 mm / 140 mm Including Hinge
Depth	60 mm / 85 mm Including Stop Button

Basic Operation

When switched on via the key switch the GasGuard I system pressurises the gas pipework then performs an integrity check to ensure that no downstream outlets or appliances have been left open/on.

Upon receiving a fault signal from any external devices, the GasGuard will ensure that the gas is isolated to prevent any potential issues.

The easy to use engineers button can be used to display any faults with the system and allow gas through for commissioning and purging.

Part Numbers & Options/Accessories

Part No	Description
GG1-PR00	GasGuard I c/w Proving Assembly
SVXX	Gas Solenoid Valve (See Datasheet for Part No.)