

# GASGUARD

## GAS PROVING & INTERLOCK SYSTEM



### | OVERVIEW |

The GasGuard gas proving system is designed to meet the requirements of IGEM/UP/11 Edition 2 for educational establishments and is a BS6173:2009 and IGEM/UP/19 compliant ventilation interlock.

The GasGuard is ideal for when appliances are not fitted with flame failure devices, or can be used to provide additional peace of mind when they are.

With a backlit LCD, the GasGuard will provide a clear indication of any issues with external devices such as ventilation systems, and will provide details of gas pressures and Gas Sensor levels.

### | KEY FEATURES |

- Clear LCD indication & instructions
- No commissioning required
- Annual Service Reminder
- 24VDC auxiliary power output
- Interfaces for:
  - Gas Sensors, CO2 Sensors, Ventilation Systems, Remote Emergency Stop Buttons
- System status button to aid with fault finding
- High accuracy Pressure Transmitter
- Built in time delays to avoid nuisance tripping
- **5 Year Warranty**
- **UK MANUFACTURED**

### Dimensions

Height	180mm
Width	180mm / 190mm including Hinge
Depth	60mm / 65mm including Stop & Key Switch

### Technical Specification

Power Supply	100 - 250VAC 50/60Hz
Consumption (Max)	40W
Power Output	Gas Solenoid      Switched Mains
IP Rating	IP65 (Providing rear entry sealed)
Approval	CE

### External Device Interfaces

Valve Status	SPST - 5A @ 250V Max
Pressure Trans	Monitors Proving Transmitter
24V Out	Auxiliary Supply (300mA Max) for CO2T, FGS & FCMON
Gas Sensor	BACnet Interface for Gas Sensors
CO2 Sensor	24V Signal to monitor external VFC
Intake Fan	24V Signal to monitor external VFC
Extract Fan	24V Signal to monitor external VFC
Remote Stop	24V Signal to monitor external VFC

### Installer Selectable Options

- Gas Pipework Fill Time (5 or 10 Seconds)
- Gas Availability Timer (Off, 4, 8 or 16 Hours)

### Basic Operation

Turning the key switch to ON will start the proving cycle by energising the Gas Valve to pressurise the system, the valve will then close and the pipework is monitored for 30 seconds for pressure drops.

Upon receiving a fault signal from any external devices, the GasGuard will ensure that the gas is isolated to prevent any potential issues and the LCD will advise exactly what the issue is and how to rectify it.

Turning the key switch to the OFF position or pressing the panel stop button will isolate the gas supply.

The internal Open and Display buttons are also available to aid with commissioning and fault finding, providing details of ALL interfaces at the press of a button.

### Part Numbers & Options/Accessories

Part No	Description
GG-PT00	GasGuard System c/w Pressure Transmitter