



**Diamond
Controls®**

Leak Detection & Trace Heating Systems

Datasheet

GAS LEAK DETECTION



Flamefast GasGuard

(GG) Gas Proving & Interlock System

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

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Overview

With a new stylish housing, negative display, and internal hinge system, the GasGuard looks at home in any new installation.

Along with a fresh new exterior, the GasGuard has also had a major internal overhaul and new user interface, with new menus to allow simple system setup, to view system status, and to access the data-logging function.

The GasGuard will allow the users to view the last 50 alarms through the panel display, and a full event log is also available when using the USB interface and Flamefast App, all supported by a real time clock.

Key Features

- New stylish enclosure
- Clear negative display
- Optional BACnet/Modbus module
- Alarm and Event logs as standard
- 24VDC auxiliary power output
- Interfaces for:
 - Gas Sensors
 - CO2 Sensor
 - Ventilation Systems
 - Remote Emergency Stop Buttons
 - Fire Alarm System
- High accuracy Pressure Transmitter
- UK manufactured

Dimensions

Height	180mm
Width	180mm
Depth	65mm / 70mm (Including Stop & Key Switch)

Common Accessories

TR-CO2TL	Transmitter - CO2 & Temp c/w LCD
ADPS	Air Differential Pressure Switch (20-300Pa) c/w Duct Kit
RSTOP-C	Remote Emergency Stop - Call Point
SVxx	XXmm Gas Solenoid Valve (230V) - Specify Size



Technical Specification

Power Supply	85 ~ 300VAC 50/60Hz
Power Consumption	20W Max (Panel Only)
Outputs	Gas Solenoid Valve Status Switched Mains (5A Fused) SPST - 5A @ 250V Max BACnet MS/TP or Modbus RTU (with -COM)
Operating Conditions	Temp 0 ~ 50°C Humidity 0 ~ 95% (NC)
IP Rating	IP65
Housing Material	PC/ABS
Colour	Pure White (RAL 9010)
Approval	CE, UKCA

External Device Interfaces

Pressure Transmitter	PT00 Connection
24V Out	24V DC Power Out - 600mA (for TR, SS, FGS)
Gas Sensor	BACnet Interface for FGS Range
CO2 Sensor	LV Signal to monitor external VFC
Intake Fan	LV Signal to monitor external VFC
Extract Fan	LV Signal to monitor external VFC
Remote Stop	LV Signal to monitor external VFC
Fire Alarm	LV Signal to monitor external VFC

Installer Selectable Options

Gas Proving Fill/Test Time	5s Fill + 30s Test / 10s Fill + 60s Test
Gas Availability Timer	Off / 4 / 8 / 16 Hours

Important: All information, including illustrations, is believed to be reliable. Users, however, should independently evaluate the suitability of each product for their application.