



**Diamond
Controls®**

Leak Detection & Trace Heating Systems

Datasheet

GAS LEAK DETECTION



Flamefast BoilerGuard Lite

(BG-LT) 4 Channel Gas Detection System

The New BoilerGuard Lite system provides a cost-effective boiler plant room safety system, and includes interfaces for the common safety interlocks, including Fire Alarm Systems, Thermal Fusible Links, Remote Emergency Stop Buttons, and Gas Sensors.

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Overview

With a traffic light backlit display providing clear indication of system status, the BoilerGuard Lite can power and monitor up to 4 Flamefast Gas Sensors, and the simple channel number selection makes commissioning easy.

It has the option to be mounted to the front of a third-party control panel, and has a dual power supply of 230VAC or 24VAC/DC, so is ideal for BMS integration.

Key Features

- 4 Channel Gas Detection System
- BMS Panel Mountable
- Auto-reset following Fire Alarm
- Auto-reset following Power Failure
- 24VDC auxiliary power output
- Interfaces for:
 - Thermal Links
 - Remote Emergency Stop Buttons
 - Fire Alarm Systems
- Fault relay for external interlocking
- UK Manufactured

Dimensions

Height	180mm
Width	130mm
Depth	65mm / 70mm including Stop Button

Technical Specification

Power Supply	85 ~ 300VAC 50/60Hz 24V AC/DC ±10%
Power Consumption	10W Max (Panel Only)
Outputs	Gas Solenoid Switched Mains Fault SPST - 5A @ 250V Max
Operating Conditions	Temp 0 ~ 50°C Humidity 0 ~ 95% (NC)
IP Rating	IP65
Housing Material	PC/ABS
Colour	Dark Grey
Approval	CE, UKCA

External Device Interfaces

24V Out	24V DC Power Out (4 FGS Max)
Gas Sensor	BACnet Interface for FGS Range (4 Max)
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

Fire Alarm Auto-reset	ON / OFF
Power Failure Auto-reset	ON / OFF
No. Connected Sensors	1~4



Common Accessories

BG-LT-PM	BoilerGuard Lite Panel Mount Kit
FGS-NG	Flamefast Gas Detector - Natural Gas
FGS-LPG	Flamefast Gas Detector - Propane
FGS-CO	Flamefast Gas Detector - Carbon Monoxide
TFL	Thermal Fusible Link (70°C) - Auto-reset
RSTOP	Remote Emergency Stop - Twist Release
CABLE1	Belden 8723 Equivalent (100m)

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