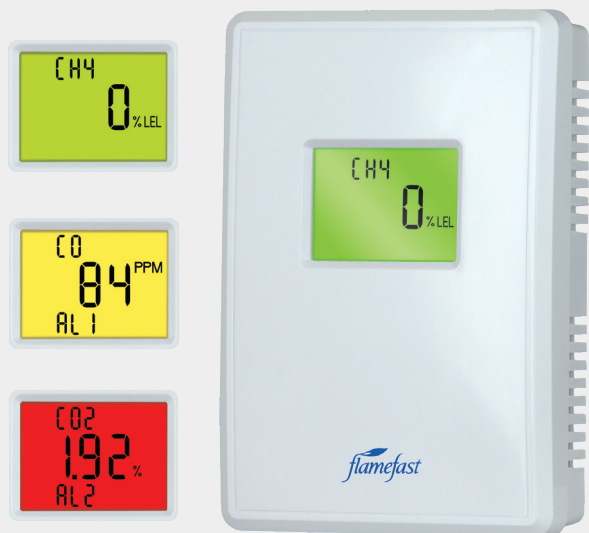


# FLAMEFAST GAS DETECTOR (FGD) BACNET (24V AC/DC)



## | OVERVIEW |

The Flamefast Gas Detector is a cost-effective gas sensing solution designed to interface with the Flamefast range of Gas Safety Systems using the BACnet MS/TP interface.

The bold traffic light LCD and built in audible alarm provide a clear indication of any issues local to the sensor.

Although the sensors can be connected to third party BACnet networks, for safety systems it is strongly recommended that the sensors are used in conjunction with a Flamefast BoilerGuard or GasMonitor.

The broadband Pellistor and Infra-red Hydro-carbon sensors can be calibrated to suit most combustible gases, with the option to factory calibrate and rename the sensor for the specific gas. Flamefast can also offer a full range of toxic gas sensors, including H<sub>2</sub>S, HCN and many more (please contact for details).

## | KEY FEATURES |

- 24V AC/DC Power Supply
- Pre-calibrated
- Traffic light LCD readout
- BACnet MS/TP over RS485
- Simple configuration and calibration
- Calibration and 'End of Life' reminders
- Oxygen Sensors monitor Enrichment and Depletion as standard
- Mounts onto any standard single gang junction box or conduit box
- **UK MANUFACTURED**

## Dimensions

Height	125mm
Width	86mm
Depth	36mm

## Technical Specification

Power Supply	24V AC/DC ± 10%
Power Consumption	60mA
BACnet MS/TP	9k6, 19k2, 38k4 or 76k8 RS485 (1/10th Load) Max 127 Addresses
Warm-up Time	60 Seconds (24 Hours for full stability)
Response Time (T90)	< 60 Seconds (Adjustable)
Operating Conditions	Temp 5-40°C Humidity 0-95% (NC)
Sampling Method	Diffusion
IP Rating	IP40
Housing Material	Flame Retardant PC/ABS
Colour	Pure White (RAL9010)
Approval	UKCA, CE

## Installer Selectable Options

Audible Alarm	Enable/Disable
Auto Zero Calibration	Enable/Disable

## Part Numbers & Options/Accessories

Part No	Gas	Range	Typ. Life (years)
FGD-NG	Natural Gas (Methane)	100% LEL	5
FGD-LPG	Propane	100% LEL	5
FGD-H2	Hydrogen (LEL)	100% LEL	5
FGD-HC	Hydro-carbon (Pellistor)	100% LEL	5
FGD-IRHC	Hydro-carbon (Infra-red)	100% LEL	5
FGD-SF6	Sulfur Hexafluoride	1,000ppm	5
FGD-CO2	Carbon Dioxide	5%	5
FGD-CO	Carbon Monoxide (Plant/Carpark)	200ppm	5
FGD-NO2	Nitrogen Dioxide	5ppm	3
FGD-NH3	Ammonia	100ppm	3
FGD-CL2	Chlorine	5ppm	3
FGD-H2e	Hydrogen (Electrochemical)	2,000ppm	3
FGD-SO2	Sulphur Dioxide	5ppm	3
FGD-O2	Oxygen	25%	5

**OTHER GASES AVAILABLE ON REQUEST**