



## | OVERVIEW |

The Flamefast Duct Mounted Gas Detector provides a robust, cost effective solution for gas monitoring in ductwork.

The BACnet MS/TP interface can be used with any of the Flamefast range of safety systems, or can be connected directly to the BMS, and provides an unrivalled level of information.

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 H2S, 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
- 200mm Duct Probe
- **UK MANUFACTURED**

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

## Dimensions

Height	152mm
Width	110mm
Depth	50mm
Probe Length	200mm

## Technical Specification

Power Supply	24V AC/DC $\pm$ 10%
Power Consumption	60mA
BACnet	MS/TP over RS485 Baud: 9k6, 19k2, 38k4 or 76k8 127 Address (1/10 <sup>th</sup> Load) <i>Full specification available on request</i>
Audible	60dB @ 30cm
Operating Conditions	Temp 5-40°C Humidity 0-95% (NC)
Sampling Method	Diffusion
Warm-up Time	60 Seconds (24 Hours for full stability)
Response Time (T90)	< 60 Seconds (Adjustable)
IP Rating	IP66 (external to duct)
Housing Material	PC/ABS
Colour	Black/Clear
Approval	CE, UKCA

## Installer Selectable Options

Audible Alarm	Enable/Disable
Auto Zero Calibration	Enable/Disable

## Part Numbers & Options/Accessories

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

**OTHER GASES AVAILABLE ON REQUEST**