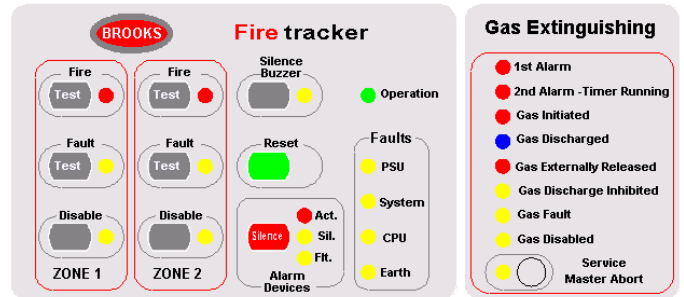# Specialised Panels

Gas Extinguishing System Control Panel

Model FT2GAS

- Intelligent dual microprocessor system which combines both the two zone CIE functions and the dual zone gas control functions.

- Built-in dual power sources.

- The system maximum current capacity is 5A @ 27.5V DC.

- Adjustable gas release timer 0.2 – 90 seconds

- Detection zone settings via built-in DIP switches.

- Compatible local control station, warning signs, strobes and sounders.

- Optional web server interface for Ethernet connectivity with web pages and email alerts.

General

The Brooks FT2GAS comprises a 2 zone conventional CIE (AS7240.2) to which a plug-in dual zone gas control module is added. The combination of the CIE and plug-in gas module is designed to comply with the Detection, Actuation and Control Systems section of AS4214 2002 Gaseous Fire Extinguishing Systems.

The FT2GAS provides all inputs and outputs required for monitoring and control of a gas extinguishing system including the warning signs and local control station.

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Specifications

Facility		Description
Mains Power Supply		240V AC, Nominal. 150Watt
Battery Backup		2 x 12V sealed lead acid batteries 7 or 12 AH. The battery capacity is based on the system power supply calculations. Battery capacity may supply sufficient power for 96 hours in quiescent conditions and followed by 30 minutes in alarm.
System Access		**Access Level 1**: General - Outer door locked no access to controls. All status LED indicators viewed through transparent panel on the outer door. **Access Level 2**: Operator - Outer door opened via a 003 key. Front panel controls are accessible. **Access Level 3**: Technician - Outer door opened via a 003 key, inner door opened via tool. Panel circuitry, power supply, batteries and wiring termination accessible.
Detection Zones		Two (2) fully supervised zone inputs with latching and alarm verification options.
Inputs	Gas lock-off valve	Fully supervised
	Gas manual release	Fully supervised
	Gas discharged sensor	Fully supervised
Outputs	Ancillary control facility	Fully supervised output fused to 1 Amp
	Alarm warning output	Fully supervised 24V bi-polarity output fused to 3Amp
	System inoperative warning	Fully supervised 24V output fused to 0.5 Amp
	Status relay outputs	Five dry contact relay outputs (2A) to indicate common alarm, common fault (defect), common disable (isolate), 1st alarm and 2nd alarm conditions.
Local Control Station (BLCS1)		Terminated via four (4) wire connection; fully supervised. Gas isolate switch is accessible by lifting the flap cover. Gas release switch is a manual call point with LED indicator and protective plastic cover.
Operating Temperature		0°C to +40°C.
Operating Humidity		5-95%, non-condensing.
Enclosure	IP Rating	IP31
	Material	1.5mm zinc anneal steel powder coated oyster.
	Dimension	400mm H x 320mm W x 165mm D
	Weight	12 Kg. (without backup battery)
Design Standards		Gas system control - AS 4214 2002 amdt 1. CIE - AS7240.2-2004, AS7240.4-2004.

E & OE As our policy is one of continuous product development, we reserve the right to alter product details without prior notice. DSFT2GAS16/01/12

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