

# Fire Panels

## Residential Fire Alarm System

### Model ALARM 2000

- System Customising – Integrates with other building services
- Full range of smoke & heat alarms
- Manual activation of smoke / heat alarm sounders
- Supervised Modules - Power Supervision to AS4428 Pt 5
  - Residential sprinkler
  - Manual override
  - Emergency lighting and A/C Shutdown
  - Gas Shutdown
  - Remote Monitoring
- Wide range of warning devices – audible/visual/hearing impaired



### General

The Alarm 2000 is designed for small residential occupancies requiring a smoke alarm system as set out in the Building Code of Australia, but also integrates the early warning with other building services. The system employs the design principles of AS1670 but also utilises the cost effectiveness of smoke alarms, with their combination of detection and warning sounder. The basic Alarm 2000 system can be customised and expanded to suit individual applications by the use of optional add-on modules.

### Features

The basic Alarm 2000 system consists of control and indicating equipment (residential fire panel) interfaced to the Brooks TL Series 230Volt smoke and heat alarms. The RFP provides the necessary controls, indicators, supervision, power and standby supplies, termination and distribution point for the system.

The smoke / heat alarms provide an automatic detection of fire and activation of the system. The smoke however can

be manually activated via a suitable manual call point or panic switch.

The primary occupant warning is the smoke alarm sounders but additional outputs are provided for supplementary warning device. The system supports specific warning devices for the hearing impaired providing both visual and tactile response.

Optional modules allow the system to be customised to suit individual applications. Circuits are either supervised or fail safe to ensure optional integrity.

### Smoke / Heat Alarm Module

Provides the basis upon which the system is built. The smoke alarm module interfaces Brooks 230Volt Lithium smoke / heat alarms and provides for the manual activation of the system. Interfaces with:

- EIPFSPTLH (Photoelectric),
- EIPFSITL (Ionisation),
- EIPFSTTL (Heat)

### Optional Modules

Sprinkler module, manual override module, ancillary control module and gas shutdown module.



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Feature	Description	
<b>Power Supply</b>	Input – 230vac, Output 24vdc / 2.2 amps (larger power supplies available on request).	
<b>Standby</b>	2 x 12 volt sealed lead acid batteries sized to suit design requirements. Normally 7 to 12 AH.	
<b>Controls</b>	Alarm Locate	Silences all smoke/ heat alarms except the smoke / heat alarms that have actuated. Automatically resets after approximately five (5) minutes.
	Alarm Isolate	Silences all smoke / heat alarms. Automatically resets after approximately (5) minutes.
	Sounder Silence	Mutes the integral RFP alarm / fault sounder. *Automatically resets to normal after the alarm or fault condition is cleared.
<b>Key Switch Operation</b>	AUTO	System 'ON' set for automatic alarm response.
	OFF	System 'OFF' charger 'on', system fail output activated.
	FIRE	All smoke / heat alarms sound, alarm outputs activated, if selected.
	<b>Note:</b> A red indicator on the front panel adjacent the key switch will flash to provide a local warning to the occupants that the system has been turned 'OFF'.	
<b>Inputs</b>	Supervised N/O dry contact for manual activation of system. Alarm Signal from smoke / heat alarms (Maximum number of smoke / heat alarms is 20) Panic – N/O dry contact for remove activation of 'FIRE' mode.	
<b>Output</b>	Alarm	Supervised 24vdc, 1 amp maximum.
	Alarm	Set of voltage free C/O contacts.
	System Fail	N/O dry contact for system turned 'OFF'.
	Common Fault	Set of Voltage free C/O contacts.
	Ancillary Supply	24vdc fused to 1 amp.
	*The alarm outputs are selectable for independent. (Voltage free contacts dedicated to smoke / heat alarms and 24v dedicated to MCP) or common operation. (Both operate for either smoke / heat alarms or MCP)	
<b>Indicators</b>	Mains ON, System OFF (flashing), Alarm Activated (flashing), Alarm Output Fault, MCP Input Fault, Alarm Locate selected, Alarm Isolate selected. Sounder Silence selected, Power Supply Fault - Optional	
<b>(Optional) Power Supply Supervision Module</b>	This Module comprises with the requirements of AS4428.5. The Module provides additional power supply supervision not available in the AS1603.4 CIE.  <b>Facilities include:</b> Loss of main power source, Auto battery testing, Missing battery common PSU fault indication, Charger high/low common PSU fault indication, Battery low common PSU fault indication, Battery fail common PSU fault indication and a set of voltage free contacts, (system no longer functional) and Power Supply fault indication and voltage free contact.	
<b>Enclosure</b>	1.6m zinc annealed steel, powder coated Oyster. Outer door secured via a 003 key lock.	
	<b>Small Enclosure</b>	Includes basic system plus 1 module – 400 H x 320W x 155D including door. One Option only of the following: Sprinkler, Ancillary, Manual Override, Gas Shutdown or Power Supervision Module.
	<b>Large Enclosure</b>	Includes basic system plus 5 module – 680H x 320W x 155D including door.

\*\* The products detailed in this datasheet represent our current product range, and whilst every effort has been made to ensure accuracy of the information supplied, customers are requested to satisfy themselves of the suitability of any product required



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E & OE As our policy is one of continuous product development, we reserve the right to alter product details without prior notice. DSALARM2000 13/01/12

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