

Analogue Addressable Fire Detection and Alarm System

FIRENET Fire Alarm System



Detection system solutions tailored
to the unique needs of your business



Fire & Safety Products
(A/Asia) Pty. Ltd.

A.B.N. 98 007 954 832 (Inc. in South Australia)

www.firesafetyproducts.com.au

The Firenet from Fire & Safety Products is a sophisticated and technically advanced Open Protocol Analogue Addressable Fire Alarm Panel, suitable for a wide range of applications from small commercial buildings to large commercial high rise, and specialised facilities.

The Firenet has been developed to meet customer needs for an open protocol fire alarm control panel.

The Firenet system is compatible with the Hochiki GTP range of smoke detectors, heat detectors, and input and output devices.

The Firenet panel has been listed by the CSIRO to AS4428.1.

Detector Loop Cards will support two loops of 127 devices each, in any combination of detectors and modules. The device location descriptions are programmed into Firenet using a portable computer.

The panel's large Liquid Crystal Display (LCD) shows the address and the zone of a detector in alarm, enabling the source of the alarm to be quickly located.

Panels consisting of two or more detection loops may be configured to stand alone, or can be networked to provide an integrated fire management system.

Options include Remote Mimic and Repeater Panels, fan controls, and a wide range of fascia display and input/output boards.

The system can be programmed to broadcast status changes to all panels, or partitioned to display only information relevant to the respective panel.

The Windows[®] based Configuration Editor Software provides the installer with finger-tip access to installation programming and includes complex logic functions.

A simple 'auto learn' feature offers the convenience of quick start in both new and retrofit installations.

FIRENET

Fire Alarm System



Firenet panel

- Australian designed and manufactured
- ISO 9001 Quality Management System accredited
- Modular design
- AS 4428.1 and AS 1603.4 compliant
- CSIRO listed

Mimic & repeater panels



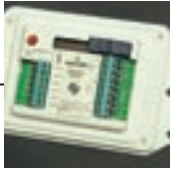
- Large backlit LCD display
- Mimic panel for displaying system status and alarms
- Repeater panel incorporates full controls and functionality of the main panel

High level interface



- Interface with a variety of related systems, including:
 - Nurse Call
 - Building Management (BMS)
 - Access Control
 - Security
 - Emergency Warning Intercommunication System (EWIS)

Input/output devices



- Interfaces with Hochiki loop powered input/ output devices and a wide range of RS485 comms. hardware for associated equipment, including:
 - Flow switches
 - A/C dampers and shutdowns
 - Pumps
 - Audible and visual alarms
 - Fire Brigade notification

Networking



- No single point of failure
- Peer to Peer communication
- RS232, RS485 and fibre optic communications
- Networks configurable in either
 - Star
 - Daisy Chain
 - Ring
- Fault Tolerant

System configuration & maintenance



- Windows based configuration editor
- Explorer-like interface with help wizards
- Copy and Paste functions
- Auto map allocation on download to Digifire™ graphics package
- Point and click Boolean Logic programming

Printers



- Print event and alarm status logs
- Printer may be mounted inside panel or located externally

Detectors



- CSIRO listed with Hochiki's world leading range of Analogue/ Addressable and conventional detection products
 - Photo optical
 - Ionisation
 - Thermal
- Also CSIRO listed and compatible with Apollo and System Sensor conventional detectors

Alarm acknowledgement modules



- Reduce false alarms and brigade call outs
 - Loop Powered
 - Programmable time delays
 - CSIRO listed

Manual call point



- Visual alarm indication
- Key operated for ease of commissioning and testing
- Hochiki loop compatible

Features

- Supports Hochiki GTP smoke and heat detectors and modules
- High resolution laptop computer style graphical LCD with large characters and back lighting
- Programmable using a Microsoft Windows® compatible configuration editor, with full logic simulation
- Easy to use Boolean Algebra (AND, OR, IF....THEN) functions
- Each input/output, and or loop device can have specific text for identification through the LCD
- All input loop devices can be allocated to a specific zone which has its own text description
- Multi-processor architecture
- Standard printer output
- Back up power supply unit can be installed within the Firenet™ cabinet or in an optional external battery box
- Sealed lead acid cells sufficient to meet the Australian Standard stand-by requirement

Optional features

- LCD repeater and mimic panels
- 1668 Fan Control Fascia
- Zonal Display Fascia
- Zone Isolate Fascia
- Flow Switch Test Fascia

Ease of operation

- Simplicity of operation using the LCD menu with on screen prompts
- "Soft" key functionality and on screen label driven by menu selection
- Operator controls are through push button keys and numeric keypad
- User Keypad functions enabled by keyswitch
- Fire Fighters' controls identified by a red border

Applications

Firenet is ideal for:

- Hospitals
- Factories and industrial complexes
- Residential buildings
- Commercial complexes
- Education campuses
- Transport facilities

To request further information, contact
Fire & Safety Products on (08) 8346 5061

Capacity and flexibility

- Minimum Configuration
 - 2 loops of 127 Hochiki Loop Devices
 - 6 fully supervised points configurable as either inputs or outputs
 - 6 programmable voltage free solid state outputs
 - 2 programmable unsupervised inputs
 - 1 RS232 Port for system programming, High Level Interface to third party equipment
 - 1 Parallel printer port
- Maximum Capacity (subject to configuration)
 - 1922 Loops of 127 Hochiki Loop Devices
 - 246,016 Inputs / Outputs
- 32 Networks of 32 Cards
- 1000 Events stored in memory (subject to configuration)
- Star, Daisy Chain and Ring Networking Options
- RS485, RS232 and Fibre Optic Network communication options

Compatibility

- Tested and listed with Hochiki GTP analogue addressable detectors and loop devices
- Also CSIRO listed with Apollo and System Sensor conventional detectors
- Ionisation smoke detector
- Photo-optical smoke detector
- Rate of rise thermal detector
- Conventional detector zone interface
- Combined smoke and thermal detector
- Dual input device for alarms from other fire panels or sprinkler flow / pressure switches
- Dual relay output device rated 1A at 24V
- Conforms to Australian Standards for electromagnetic immunity and emissions

Cabinet dimensions (H x W x D)

Size 1: 455mm x 455mm x 140mm

Size 2: 660mm x 500mm x 170mm

Size 3: 974mm x 560mm x 225mm

Battery box dimensions

Size 1: 225mm x 455mm x 140mm

Size 2: 225mm x 500mm x 170mm

Size 3: 487mm x 560mm x 225mm

Colour

Grey White (DULUX Powdercoat 953-66464)



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