F3200 8-Zone
Conventional Fire Alarm System

VIGILANT

Features

// Easy to operate

// Easy installation & service

// Certified to AS 4428.1

// Clear alarm messages on LCD

// Compatible with a wide range of detectors

// Integral 3A PSU/battery charger

// Fully field programmable

// Networking options

// Low profile LCD repeater/mimic

// AS ISO 14520.1:2009 Gaseous Fire Extinguishing System options

The VIGILANT F3200 Fire Indicator Panel is a microprocessor based panel providing reliable and economical fire indication and control of up to eight conventional alarm zones in its standard configuration. The F3200 can be used as a main panel, or a sub-panel in conjunction with a larger system.

Easy to Operate

Operation is straightforward with the F3200's keypad and alphanumeric LCD. The 40 character, 2 line LCD zone control panel meets the AS 4428.1 "Firefighter Facility" (FF) requirements. "Next" and "Prev" keys allow easy scrolling through the 99 event alarm buffer, while all current alarms, faults and isolated zones can be separately recalled.

An internal history log stores the previous 400 events (800 with printer buffer disabled), and these can be recalled to the LCD display at any time.

"Tandem" mode enables the panel to be operated from a remote computer for diagnostic or remote monitoring purposes. The optional easy-to-read English language printer output with system name heading each page, 30 character zone name, and date/time stamp, allows rapid tracing of events.

Fully Field Programmable

Configuration for a basic fire alarm system is automatic with minimal programming necessary. Systems utilising a variety of input device types and more sophisticated control and timing functions, may be programmed either via the F3200 control panel or through an external personal computer.

Timers, Boolean logic expressions and variables provide powerful programmability allowing a wide range of monitoring and control functions to be configured.

The configuration can be printed and also uploaded to disk for later downloading. Site-specific configuration parameters are stored in non-volatile Flash memory, which remains protected even if the system's power supply is removed. Programmed information is access code protected with ten programmable codes available to allow access by different users to be individually logged.

Features and Options

· Automatic panel self tests, battery connection & capacity tests
· Supervised front panel MCP
· AS 1668 air-handling, smoke detection and control
· Valve tamper monitoring (type A security)
· Wide Fire Brigade system compatibility
· Supervised outputs for ancillary services, door holders etc.
· Interface for EWIS, BMS etc.
· Built in clock/calendar
· Event logging to internal history file and optional printer
· Two fuse-protected battery backed supply outputs (fuses supervised).

Wide Detector Compatibility

The F3200 is compatible with hard contact devices and a wide range of "20 volt" industry-standard detectors including the Tyco 614 and Simplex 4098 ranges, and many others. A full list of currently approved detectors is contained in the TSP-LT001 Device Compatibility Guide.

Specifications

System Capacity

Firefighter Facility:	2 Line 40 Character LCD display provides 30 character text message for each alarm. Complies with AS 4428.1
Programmable Outputs:	8 on Zone Module, transistor pulldown (1.1V) Monitoring Service Relays, Warning System, Ext.Bell/Strobe and Ancillary relays are also programmable
Repeater Panels:	Up to 8. More if mimic only (i.e. no controls)

Cabinet

Cabinet Size (mm):	440H x 550W x 230D
Cabinet Material:	1.2 mm mild steel. Baked epoxy powdercoat finish: Cream Wrinkle BFF998CW. Polycarbonate membrane keyboard facia
Style:	Wall mounting. Outer door hinges left (003 key lock) to access controls. Inner door hinges right. Ingress Protection IP30
Shipping Weight:	17 kg (without batteries)
Temperature:	-5°C to 45°C operating
Humidity:	Up to 95% RH (non-condensing)

Power Supply

Mains Supply:	240Vac +6% -10%, 50 Hz, 150VA
Internal Battery:	2 x 12V, sealed lead-acid, capacity up to 40Ah
Internal Charger:	27.3V (nominal), 3A, regulated, temperature compensated
Battery Monitoring:	Charger high/low, battery low/fail, timed capacity tests

Inputs

Alarm Zone Circuits:	20V nominal, conventional detector circuits. Four modes: Standard, High Current, Low Current, Tamper
FIP MCP:	Supervised with programmable zone mapping
AZC Input Terminations:	De-mountable screw terminals, 1.5 sq mm cable capacity

Outputs

Monitoring Service Relays:	Alarm, Fault, Standby, Isolated; 5A, 30Vdc resistive
Ancillary & Ext. Bell/Strobe:	2A, 30Vdc resistive. Supervised switched 24V or voltage free
Warning System:	2A, 30Vdc resistive. Supervised (polarity reversal) switched 24V; battery backed
Zone Module Outputs:	8 programmable 100mA transistor pull-down (1.1V)
RZDU Comms:	Communications port for connection to repeater panels
Printer:	Pseudo RS232, Xon/Xoff, Selectable 300 to 9600 baud, 8 data bits, no parity, 1 stop bit
Ancillary Supplies:	2 x 24V, battery-backed, 2A load 1 x 28V, 2A; non battery-backed, fused

Networking

Capacity:	Up to 64 panels per network
I-HUB:	RS485 / fibre ring
IP (Internet Protocol):	Uses PIB and Ethernet Switch over fibre ring plus Ethernet Extender for use over copper pair.

F3200 8 Zone Ordering Information

FP0784	F3200 8-Zone FIP 3A PSU (batteries not included)

Programming Options

The following functions can be programmed:

- Zone/Ancil/Circuit facilities:
  - Zone enable/disable
  - Zone Identification Text
  - Alarm Type Text including MCP override
  - Zone to LED mapping
  - Normal zone operation
  - Flow Switch (variable delays)
  - Air Conditioning (variable time delays)
  - Sprinkler Valve Tamper
  - Alarm Verification
  - Ancillary Control
  - Latching/Non-latching
  - Monitoring Service/Indication only/Status (no indication)
  - Output Supervision enable/disable
  - Output Supervision Fault latching/non-latching
  - Mapping to Monitoring Service, Ancillary, Ext. Bells/Strobe, Warning System outputs
- Output Logic Programming:
  - Variables and Timers
  - Boolean AND, OR, XOR, NOT
  - Daylight Saving
- System commands:
  - Time/date
  - Diagnostics
  - Database Upload/Download
  - Text download to LCD Repeater Panels
  - Adjust global settings: Access code, System name, FF mode, Printer Setup, Automatic test times/dates
- Repeater Panel Programming
  - Zones displayed on LCD/LED
  - Zone to LED mapping
  - Global or local key functions
  - Internal/external power supply
  - Local Monitoring Service Relay operation

Approved

F3200 is certified to AS 4428.1 - 1998: "Fire detection, warning, control and intercom systems - Control and indicating equipment, Part 1: Fire".
ActivFire Listed afp-789

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