



Vigilant F3200 - 8 Zone Fire Indicator Panel

The Vigilant F3200 Fire Indicator Panel is a microprocessor based panel providing reliable and economical fire indication and control of up to eight collective alarm zones. It can be used as a main panel, or a sub-panel in conjunction with a larger system. The F3200 is certified to Australian Standard AS 4428.1- 1998.

Features and Options

- Clear alarm messages on LCD alphanumeric display.
- Control panel with "Firefighter Facility" complies with AS 4428.1.
- Versatile input monitoring.
- Outputs for local mimic panel.
- Remote repeater panels and mimic panels may have LCD and/or LEDs.
- "Tandem" mode provides dial-in control panel access for remote operation and diagnostics.
- Low power consumption.
- Integral 3A power supply/battery charger.
- Easy to install and service.
- Demountable terminals for efficient servicing and accurate cable identification.
- Comprehensive test facilities.
- Automatic panel self tests.
- Automatic battery connection and capacity tests.
- Field programmable.
- Supervised front panel MCP.
- Wide range of compatible detectors including IS types.
- 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).

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.

Control Panel Facilities

- Firefighter's controls (FF):
 - Acknowledge - Reset
 - Isolate - Prev/Next
 - Warning System Isolate
 - External Strobe/ Bell Isolate
- Alarm Zone functions:
 - Alarm Test - Fault Test
 - Zone Isolate - Zone Reset
 - One person detector "in situ test" (auto-reset)
- Output (Relay & Ancillary) functions:
 - Test - Isolate
 - Reset

- Recalls:
 - Alarms - Faults
 - Isolates - Zone Status
 - Relay Status - System Status
 - History - Firmware Checksum
- System test functions:
 - Battery - Displays
 - System - Internal Buzzer
 - Ext. Bell/Strobe - Warning System
- Other system functions:
 - System Fault Reset
 - Print History, System Status, Database, Output Logic
 - Save Database
 - Verify database

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.

Detector Compatibility

The F3200 8 Zone FIP is compatible with hard contact devices and a wide range of detectors including the following devices in the Tyco, Minerva and Simplex ranges. Contact your supplier for compatibility information for detectors not listed.

Optical Beam Smoke Detectors:	Fireray 2000
Ionisation Smoke Detectors:	614I, MF614, 4098-9603EA
Photoelectric Smoke Detectors:	614P, MR614, 4098-9601EA
Duct Sampling Unit:	P136
Carbon Monoxide Detectors:	614CH, MU614
IR Flame Detectors:	S111, S121, S131, S231f+ (Ex d), S231i+ (Ex i), S261f+ (Ex d).
Heat Detectors :	T614 Mk2 (Types A, B, C, D), T54B (Type E), 4098-9618EA (Type A), 4098-9619EA (Type B), 4098-9621EA (Type D).
Manual Call Point:	SU0600 (15V MCP), SU0601 (std MCP), SU0602 (MCP backbox).

Specifications

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.
Shipping Weight:	22 kg (without batteries)
Temperature:	-5°C to 45°C operating
Humidity:	Up to 95% RH (non-condensing)
Mains Supply:	240Vac +6% -10%, 50 Hz, 150VA
Internal Battery:	2 x 12V, sealed lead-acid, capacity up to 40Ah (Refer to Operator's Manual for compatible batteries)
Internal Charger:	27.3V (nominal), 3A regulated, temperature compensated
Battery Monitoring:	Charger high/low, battery low/fail, timed capacity tests
Alarm Zone Circuits:	20V nominal, collective 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
Monitoring Service Relays:	Alarm, Fault, Standby, Isolated; 5A, 30Vdc resistive
Anc. & Ext. Strobe/ Bells:	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 switch 0V (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 (nominal), battery-backed, 2A load 1 x 28V, 2A; non battery-backed, fused

F3200 8 Zone Ordering Information

F3200 8 Zone FIP (batteries not included):	FP0784
F3200 Operator's Manual - A5:	LT0250
F3200 Installation and Configuration Manual:	LT0255
F3200 Programming Manual:	LT0256

Programming Options

The following functions can be programmed:

- Zone/Ancil/Circuit facilities:
 - Zone enable/disable
 - Zone Identification Text
 - Alarm Type Text including MCP override.
 - Normal zone operation
 - Flow Switch (variable delays)
 - Air Conditioning (variable time delays)
 - Sprinkler Valve Tamper Type A (highest tamper security)
 - 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
 - Zone range
- System commands:
 - Time/ date
 - Diagnostics
 - Database Upload/ Download
 - Automatic daylight saving adjustment
 - Adjust global settings: Access code, System Name, FF mode, Printer Setup, Automatic test times/ dates.

Approved

The F3200 is certified to Australian Standard AS 4428.1-1998: "Fire detection, warning, control and intercom systems - Control and Indicating Equipment, Part 1: Fire".

CSIRO ActivFire Listing Numbers:

Tyco	afp-789
Simplex	afp-1421



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