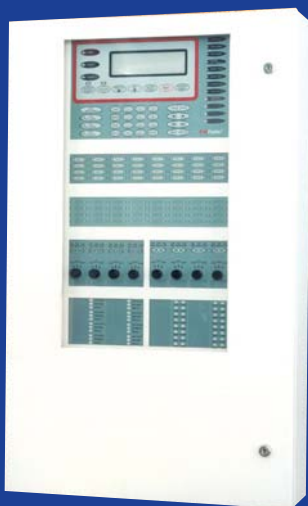


FIREPLUS 4-32 LOOP NETWORKABLE ANALOGUE ADDRESSABLE FIRE ALARM PANELS

Introducing the FirePlus range of feature-rich 4 to 32 loop networkable analogue addressable fire alarm panels. Options such as single point network programming, remote diagnostics via modem and a powerful 'Smartgraphics' package, combine to make FirePlus one of the most flexible networkable fire panels in the world.



FirePlus SP4 Panel



FirePlus SP8 Panel

Key Features

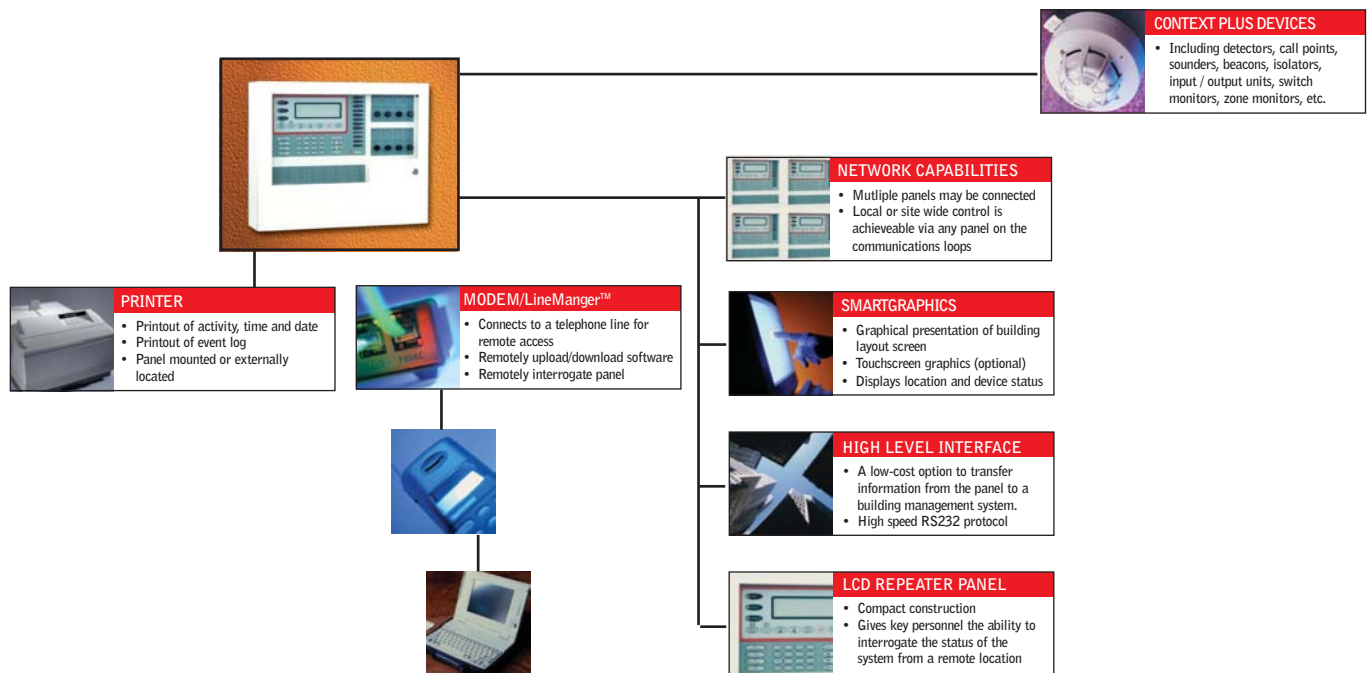
- ▶ Designed to comply with EN54 parts 2 & 4 and Australian Standard AS 4428.1.
- ▶ Full compatibility with the Context Plus XP95 range of smoke and heat detectors, call points, sounders and control modules.
- ▶ 4 to 32 loop capability.
- ▶ Up to 64 Network nodes.
- ▶ Network panel access selectable by detector group, loop, panel or global.
- ▶ Ultrafast RS422, Full Duplex, Fault tolerant, Peer to Peer communication.
- ▶ Single Point Network Programming (anywhere on the network).
- ▶ Keypad and/or keyswitch panel access.
- ▶ Programmable via front panel or PC.
- ▶ Self learn configuration on power up.
- ▶ 'One touch' menu driven control.
- ▶ Large backlit LCD display.
- ▶ Plug in modules for zone LEDs, relays, sprinkler systems, mechanical services, sounder circuits, printers, etc.
- ▶ Modem connection capability.
- ▶ Remote upload/download of software.
- ▶ Remote integration of system.
- ▶ Day/night sensitivity settings.
- ▶ Event log.
- ▶ Digital voltage readout.
- ▶ Readout of detector analogue count.
- ▶ Single person operation test.
- ▶ Modbus or ASCII output for connection to optional BMS, paging or Graphics systems.
- ▶ Printer connection capability.
- ▶ Optional LCD repeaters with programmable control switches.

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Context
Plus

FirePlus System Overview

The FirePlus range of networkable analogue addressable fire alarm control panels is the net result of combining state of the art control and indicating equipment hardware with the renowned Context Plus XP95 protocol. The system has been designed for remote operation and programming if required and can be integrated with a modem, laptop or printer to aid its use and give power of control to the operator. FirePlus panels have been designed to be adaptable - to incorporate major enhancements as technology develops and emerges.



All FirePlus panels include a large LCD display. This, and the fact descriptions of up to 33 characters can be given to each device makes the identification of system components much more precise. Users can allocate descriptions to inputs and outputs both in the panel and field and can conduct pre-commissioning tests using FirePlus's unique input/output testing feature. Inputs can be monitored and outputs turned on or off, via the front panel LCD display and keypad.

Other key features available via the front panel keypad include adding, deleting or editing devices, displaying system status, displaying brigade output status, day/night sensitivity adjustments, change brigade functions, and the ability to interrogate status of devices and the event log.

Also incorporated is the ability for the FirePlus panel to initiate a self learn of devices connected to each analogue loop. The configuration of devices may be downloaded to allow descriptions and/or complex cause/effect functions to be added. FirePlus takes the feature of self learn one step further by being able to automatically configure system hardware.

With the latest software enhancements FirePlus now treats each input of a multi-input device as a unique entity although only one address is required for the multi-input device. FirePlus uses special 'subaddressing' techniques that allows each input to be zoned and have a description assigned separately.

Users can run FirePlus's LineManager protocol via the modem connection capabilities of the panel allowing the user to upload / download the FirePlus software. The user can interrogate the status of the system, devices, zones, and power supply and is also able to view alarm, fault, and isolate logs.

Simplicity of operation and installation is complimented by the ease with which FirePlus can be upgraded. A modular approach allows the hardware configuration of the panel to be readily changed to meet demands of a project with a combination of addressable loops, conventional zones, fan controls, 32 zone LED display and input / output functions all available.

FirePlus provides the operator with step by step user-friendly menu via the front panel and the large graphic LCD display.

For more sophisticated system designs, a peer-to-peer network is available. A networked system is achieved when multiple FirePlus panels are connected via a common communications bus. This allows the operator to investigate, control and program the entire system from a single point or node. While every panel has access to the entire system information via the common communications bus, loop access may be limited to certain parts of the network. For example, a network of three 16 loop panels which results in, in effect, a fully functional 48 loop panel.

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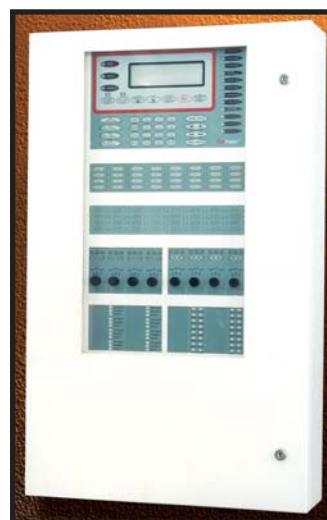
Part numbers

FIREPLUS PANELS

112-0027	SP4 4 loop FirePlus panel
112-0033	SP8 5 loop FirePlus panel
112-0034	SP8 6 loop FirePlus panel
112-0035	SP8 7 loop FirePlus panel
112-0036	SP8 8 loop FirePlus panel
SP16-09	SP16 9 loop FirePlus panel
SP16-10	SP16 10 loop FirePlus panel
SP16-11	SP16 11 loop FirePlus panel
SP16-12	SP16 12 loop FirePlus panel
SP16-13	SP16 13 loop FirePlus panel
SP16-14	SP16 14 loop FirePlus panel
SP16-15	SP16 15 loop FirePlus panel
SP16-16	SP16 16 loop FirePlus panel
SP32-17	SP32 17 loop FirePlus panel
SP32-18	SP32 18 loop FirePlus panel
SP32-19	SP32 19 loop FirePlus panel
SP32-20	SP32 20 loop FirePlus panel
SP32-21	SP32 21 loop FirePlus panel
SP32-22	SP32 22 loop FirePlus panel
SP32-23	SP32 23 loop FirePlus panel
SP32-24	SP32 24 loop FirePlus panel
SP32-25	SP32 25 loop FirePlus panel
SP32-26	SP32 26 loop FirePlus panel
SP32-27	SP32 27 loop FirePlus panel
SP32-28	SP32 28 loop FirePlus panel
SP32-29	SP32 29 loop FirePlus panel
SP32-30	SP32 30 loop FirePlus panel
SP32-31	SP32 31 loop FirePlus panel
SP32-32	SP32 32 loop FirePlus panel

FIREPLUS ANCILLARIES

159-0007	128/128 input output driver module (connects to a maximum of eight 159-0051 kits)
159-0051	16/16 input output interconnection kit (must be used with 159-0007)
159-0010	16 Input board kit (must be used with 159-0051)
159-0012	8 x 1A relay output kit (must be used with 159-0051)
159-0013	8 x 5A relay output kit (must be used with 159-0051)
159-0016	Panel printer
326-0008	Paper for 159-0016 panel printer, supplied in boxes of 10 rolls
159-0053	Network interface board
159-0069	4 plus 4 bell monitor board
159-0071	8 way bell monitor board
158-0005	SP4 flush mount bezel
159-0073	SmartGraphics, Windows based graphics package
322-0008	Laptop comms cable
159-0044	LCD repeater
159-0054	Controller interface board for BMS or Modbus
159-0075	32 zone alarm and fault LED board
159-0080	Keyswitch enabled (instead of password)



FIREPLUS TECHNICAL SPECIFICATIONS

SPECIFICATIONS				
STANDARD SYSTEM	SUPPLY VOLTAGE		240V AC +10% to -15%	
	OPERATING VOLTAGE		23-28VDC	
	QUIESCENT CURRENT		450 mA (minimum)	
	FAN CONTROLS		Can add optional 4 way fan control module (SP4, SP8 only)	
	LED MIMIC		Can add optional 32 Zoned LED display (SP4, SP8 only)	
	LIQUID CRYSTAL DISPLAY		Graphical display 240 X 64 dots ñ backlit.	
	MODEM CONNECTION		RS 232 @ 19200baud	
	PRINTER CONNECTION		Parallel (Panel mounted)	
RELAY OUTPUTS	SOUNDER 1.1		2 AMP (max) ñ fused	
	SOUNDER 1.2		2 AMP (max) ñ fused	
	SOUNDER 2		2 AMP (max) ñ fused monitored and 1A @ 24V volt free unmonitored	
	ALARM		Voltage free 1 AMP (max) @24V	
	F.W.R.E. NON-MONITORED		Voltage free 1 AMP (max) @24V	
	F.A.R.E. NON-MONITORED		Voltage free 1 AMP (max) @24V	
	DISABLE		Voltage free 1 AMP (max) @24V	
	BATTERY FAIL		Voltage free 1 AMP (max) @24V	
	VALVE MONITOR		Voltage free 1 AMP (max) @24V	
	SPARE NON-MONITORED		Voltage free 1 AMP (max) @24V	
	PANEL DETAILS	CONSTRUCTION		Modular plug in assembly
MATERIAL		1.6 mm mild steel		
FINISH		Powder coated Ripple Arch White		
DIMENSIONS (H x W x D mm)		SP4	SP8	SP16
	420x515x140	840x515x140	1200x625x240	1800x700x375