Ampac

Fire detection and evacuation solutions that save lives.

FireFinder Plus EN54 –

Intelligent Analogue Addressable Fire Control Panel

Features

- Fully Expandable 1 to 8 Loop Fire Alarm Control Panel
- Large Graphic (240 x 64 pixel) Display
- 500mA Loop Current
- 4 Programmable Monitored Inputs
- 4 Programmable Monitored Sounder Outputs
- 5 Programmable Relays
- 2 Auxiliary Power Outputs
- Programmable via front panel
- Networkable
- Supports High Level Graphics Interface
- Supports a Range of Panel Add-ons
- Rack Mount options available
- EN54-2 and EN54-4 compliant

FireFinder Plus SP1M Control Panel

Description

FireFinder Plus is an Intelligent Analogue Addressable Fire Alarm Control Panel that is available in 1 to 8 loop panel options.

The FireFinder Plus is suitable for medium to large sized fire detection systems and is compatible with Apollo XP95 and Discovery Detectors.

Powerful and flexible programming is achieved via AMPAC's configuration tool ConfigManager Plus which includes many pre-engineered programming functions. Simple system programming is easily achieved via the front panel.

FireFinder Plus is configurable as a peer to peer network up to 100 panels/nodes with a maximum of 150 Loops.

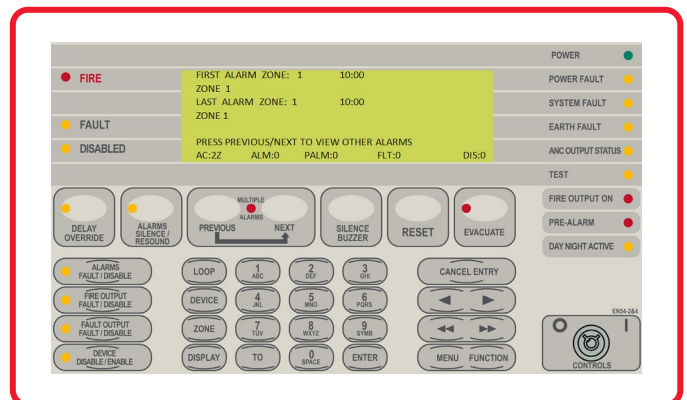FireFinder Plus supports a large range of internal and external optional Panel Add-ons.

- Fire Fan Control Module
- 8-way Switch and Indicator Module
- 32 Zone Alarm Indicator Module
- Zone Disable and Indicator Module
- 16-way Input Board
- 8-way Relay Board
- 8-way Sounder Board
- 8 Zone Conventional Board
- Front panel mounted printer
- SmartTerminal (LCD Repeater)

The FireFinder Plus is available in four standard cabinet options.

- SP1M – accommodates up to 4 Loops, 64 Zone LEDs (32 as standard) and 2 Add-on termination boards
- SP1X – includes a locked glazed outer door and accommodates up to 4 loops, 64 Zone LEDs (32 as standard) 2 Add-on modules and 2 Add-on termination boards. Requires 32 Zone Indication Module to meet EN54-2.
- SP8X – has a locked glazed outer door and accommodates up to 8 loops, 64 Zone LEDs (as standard), 4 Add-on modules and 4 Add-on termination boards
- SP16X – comes with a locked glazed outer door and accommodates up to 16 loops (2 nodes), 128 Zone LEDs (64 fitted as standard), 8 Add-on modules and 10 Add-on termination boards

FireFinder Plus Controls and Indicators

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Item Numbers

Panels

8681-0108*	FireFinder^PLUS 1 Loop 32Z 5A SP1M
8681-0208*	FireFinder^PLUS 2Loop 32Z 5A SP1M
8681-0308*	FireFinder^PLUS 3 Loop 32Z 5A SP1M
8681-0408*	FireFinder^PLUS 4 Loop 32Z 5A SP1M
8681-0110**	FireFinder Plus 1 Loop 32Z 5A SP1X
8681-0113*	FireFinder Plus 1 Loop 64Z 5A SP8X
8681-0916	FireFinder Plus 9 Loop 64Z 14A SP16X

Panel Extras

4210-0042	SP1X/M Cabinet Flush Surround
4210-0044	SP8X Cabinet Flush Surround
4210-0040	SP1X/M Batter Cabinet
4210-0041	SP8X Battery Cabinet

Panel Add-ons

8610-0001*	Slave CPU Board (Loop Activation)
8610-0002*	Dual Loop Termination Board
4210-0006*	2 Wire Network Interface Board
4310-0021	Fire Fan Module
4310-0071	Fire Fan Module (Loop Driven)
4310-0030	8-Way Switch and Indicator Module
4310-0040	16-Way Input Board
4310-0050	8-Way Relay Board
4310-0060	8-Way Sounder Board
4310-0080*	HLI Expander Board
4310-0082*	8 Zone Conventional Board
4310-0085*	32Z Alarm Indicator Card (SP1M)
4310-0086*	32Z Alarm Indicator Module
4310-0087	Zone Disable & Indicator Module

Repeater Panels (Refer to individual Datasheets for specifications)

4350-0004	SmartTerminal ABS
4350-0005	SmartTerminal inc PSU ABS
4350-0006	SmartTerminal Slimline ABS

Note - Other Panel options and accessories available. Contact the Ampac office for details.

(*denotes items covered by LPCB approval)

(**denotes product requires 4310-0086 to meet EN54-2)

(Head Office)

Specifications

Cabinet Size	SP1X	SP8X/SP16X
Power Supply	5A PSU Version*	5A PSU Version*/ 14A PSU Version
Input Voltage	195 - 264VAC	195 - 264VAC
Protection	2Amp 3AG	2Amp 3AG (5A PSU)/ 5Amp 3AG (14A PSU)
Output Current	5.6Amps	5.6Amps / 14Amp
Charger Current	1.25A	1.25A / 3A
Power Supply Output Voltage:	27.5VDC +/- 0.1VDC	
Power Supply Ripple Voltage:	250mV	
Charger Output Voltage:	27.5 +/- 0.1VDC	
Battery Type:	2 x 12V Sealed Lead Acid	
Maximum Battery Capacity: Discharge Cut-off voltage:	18Ahr (SP1X), 26Ahr(SP1M), 33Ahr (SP8X), 40Ahr (SP16X)	
Panel Quiescent Current 1 Loop, 8 Loop	220mA, 580mA	
Additional Loops (even)	+40mA for each Loop	
Additional Loops (odd)	+75mA for each Loop	
Loop Capacity	500mA max per Loop	
Max No of Devices per Loop	126	
Cabling Requirements	2 core 1.5 to 2.5mm²	
Fault supervision	O/C, S/C, Over current	
Number of Zones	1999	
Devices Per Zone	32 Max	
Outputs: (Programmable)	4 x 24VDC @ 1 Max, 10K EOL	
Relay outputs (Programmable)	5 x Voltage Free - 24VDC@1A	
Auxiliary Power Outputs	2 x 24VDC @ 2A	
Inputs (Programmable)	4 x O/C, S/C, 10K EOL	
Comms External to FACP	RS485	
Comms Printer port	RS232 or Parallel	
Comms PC Interface	RS232 or USB 2.0	
Temperature	-5°C to + 40°C	
Humidity	25% to 95% (non-condensing)	

Mechanical

Material	1.2mm Mild Steel
Colour/Finish	Surf Mist Ripple (Dulux)
Dimensions (mm)	
SP1M	500H x 405W x 150D
SP1X	500H x 405W x 150D
SP8X	845H x 518.5W x 173D
SP16X	1200H x 625X x 240D
IP Rating	IP30 (Indoor Use Only)

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