

Fire detection and evacuation solutions that save lives.

FireFinder^{PLUS} CP10

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
- CP10:2005, EN54-2 and EN54-4 compliant

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 99 panels/nodes with a maximum of 250 Loops.

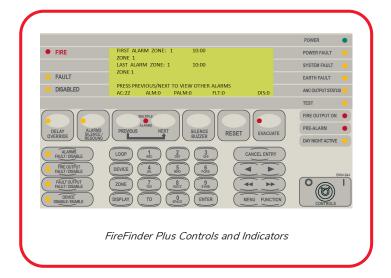
FireFinder^{PLUS} supports a large range of internal and external optional Panel Add-ons.

- 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} standard cabinet accommodates the following:

- a locked glazed outer door
- 1 to 4 loops
- up to 64 Zone indicators or
- two Add-on modules plus
- two Add-on termination boards



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Power Supply 5A PSU version	Specifications	
Protection 2Amp 3AG Output Current 5.6Amps Charger Current 1.25A Power Supply Output Voltage: 27.5VDC +/- 0.1VDC Power Supply Ripple Voltage: 200mV Power Supply Fault - Volts High (room temperature) Volts Low 26.5VDC Charger Output Voltage: 27.5 +/- 0.1VDC Battery Type: 2 x 12V Sealed Lead Acid Maximum Battery Capacity: 26Ahr Discharge Cut-off voltage: 21VDC Panel Quiescent Current 1 Loop 220mA 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 @ 500mA 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	Power Supply	5A PSU version
Output Current Charger Current 1.25A Power Supply Output Voltage: Power Supply Ripple Voltage: Power Supply Fault - Volts High (room temperature) Volts Low Charger Output Voltage: Battery Type: Battery Type: Charger Cut-off voltage: Discharge Cut-off voltage: Panel Quiescent Current 1 Loop Panel Quiescent Current 2 Core 1 Loop Panel Quiescent	Input Voltage	195 - 264VAC
Charger Current 1.25A Power Supply Output Voltage: 27.5VDC +/- 0.1VDC Power Supply Ripple Voltage: 200mV Power Supply Fault - Volts High 28VDC (room temperature) Volts Low 26.5VDC Charger Output Voltage: 27.5 +/- 0.1VDC Battery Type: 2 x 12V Sealed Lead Acid Maximum Battery Capacity: 26Ahr Discharge Cut-off voltage: 21VDC Panel Quiescent Current 1 Loop 220mA 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 0/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 @ 500mA 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	Protection	2Amp 3AG
Power Supply Output Voltage: 27.5VDC +/- 0.1VDC Power Supply Ripple Voltage: 200mV Power Supply Fault - Volts High (room temperature) Volts Low 26.5VDC Charger Output Voltage: 27.5 +/- 0.1VDC Battery Type: 2 x 12V Sealed Lead Acid Maximum Battery Capacity: 26Ahr Discharge Cut-off voltage: 21VDC Panel Quiescent Current 1 Loop 220mA 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 @ 500mA 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	Output Current	5.6Amps
Power Supply Ripple Voltage: Power Supply Fault - Volts High (room temperature) Volts Low Charger Output Voltage: Battery Type: Battery Type: Charge Cut-off voltage: Panel Quiescent Current Loop Additional Loops (even) Additional Loops (odd) Loop Capacity Max No of Devices per Loop Cabling Requirements Fault supervision Number of Zones Devices Per Zone Outputs: (Programmable) Relay outputs (Programmable) Relay outputs (Programmable) Runner Supply Ripple Volts High Results Comms Printer port Comms PC Interface Panel Quiescent Current 220mA 24. 24. VDC 220mA Additional Loops (even) 44. 0/C, S/C, 10K EOL Ava Olto Battery 25. Voltage Free - 24. VDC Results Comms Pc Interface RS232 or Parallel Comms PC Interface -5°C to + 40°C	Charger Current	1.25A
Battery Type: 2 x 12V Sealed Lead Acid Maximum Battery Capacity: 26Ahr Discharge Cut-off voltage: 21VDC Panel Quiescent Current 1 Loop 220mA 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 @ 500mA Inputs (Programmable) 4 x 0/C, S/C, 10K EOL Comms External to FACP RS485 Comms Printer port RS232 or Parallel Comms PC Interface -5°C to + 40°C	Power Supply Ripple Voltage: Power Supply Fault - Volts High	200mV 28VDC
1 Loop Additional Loops (even) 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) Relay outputs (Programmable) Auxiliary Power Outputs 1x 2 4 VDC @ 1 Max, 10K EOL 2 x 24VDC @ 500mA Inputs (Programmable) 4 x O/C, S/C, 10K EOL Comms External to FACP Comms Printer port RS232 or Parallel Comms PC Interface -5°C to + 40°C	Battery Type: Maximum Battery Capacity:	2 x 12V Sealed Lead Acid 26Ahr
Max No of Devices per Loop126Cabling Requirements2 core 1.5 to 2.5mm²Fault supervisionO/C, S/C, Over currentNumber of Zones1999Devices Per Zone32 MaxOutputs: (Programmable)4 x 24VDC @ 1 Max, 10K EOLRelay outputs (Programmable)5 x Voltage Free - 24VDC@1AAuxiliary Power Outputs2 x 24VDC @ 500mAInputs (Programmable)4 x O/C, S/C, 10K EOLComms External to FACPRS485Comms Printer portRS232 or ParallelComms PC InterfaceRS232 or USB 2.0Temperature-5°C to + 40°C	1 Loop Additional Loops (even)	+40mA for each Loop
Devices Per Zone 32 Max Outputs: (Programmable)	Max No of Devices per Loop Cabling Requirements	126 2 core 1.5 to 2.5mm ²
Outputs: (Programmable) Relay outputs (Programmable) Auxiliary Power Outputs Inputs (Programmable) 4 x 0/C, S/C, 10K EOL Comms External to FACP Comms Printer port Comms PC Interface RS232 or USB 2.0 Temperature 4 x 0/C, S/C 10K EOL 75°C to + 40°C	Number of Zones	1999
Relay outputs (Programmable) 5 x Voltage Free - 24VDC@1A Auxiliary Power Outputs 2 x 24VDC @ 500mA 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	Devices Per Zone	32 Max
Comms External to FACP Comms Printer port RS232 or Parallel Comms PC Interface RS232 or USB 2.0 Temperature -5°C to + 40°C	Relay outputs (Programmable)	5 x Voltage Free - 24VDC@1A
Comms Printer port RS232 or Parallel Comms PC Interface RS232 or USB 2.0 Temperature -5°C to + 40°C	Inputs (Programmable)	4 x O/C, S/C, 10K EOL
	Comms Printer port	RS232 or Parallel
Humidity 25% to 95% (non-condensing)	Temperature	-5°C to + 40°C
	Humidity	25% to 95% (non-condensing)

Mechanical	
Material	1.2mm Mild Steel
Colour/Finish	Signal Red
Dimensions (mm) SP1X	500H x 405W x 150D
IP Rating	IP30 (Indoor Use Only)

Item Numbe	rs
Panels	
8665-0110	FireFinder Plus 1 Loop 5A SP1X
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
4310-0030	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
4310-0086	32Z Alarm Indicator Module (SPX range)
4310-0087	Zone Disable & Indicator Module
Repeater Panels	
4380-0001	SmartTerminal ABS
4380-0002	SmartTerminal inc PSU ABS
4380-0003	SmartTerminal Slimline ABS

Note – Other Panel option and accessories available. Contact the Ampac Office for details

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