

Fire detection and evacuation solutions that save lives.

8 Zone Conventional Board

Features

- Supports up to 8 Conventional Zones
- Supports range of conventional detectors – from Apollo, Hochiki, Nittan, Argus and others
- Up to 40 detectors per zone
- Supports a range of resistive and capacitive End Of Lines
- Supports head removal requirements (BS5839.1)
- Supports dependency A, B and C (EN54-2 and AS7240-2)
- Suitable for use with FireFinder Plus
- Suitable for use with LoopSense

Description

The 8 Zone Conventional board has been designed to interface with AMPAC's range of Fire Alarm Control Panels (FACP's).

The board supports 8 conventional zones and connects to the FACP via the internal dedicated RS485 communications port.

Each zone can accommodate up to 40 conventional detectors and can be programmed to function in one of the following modes:

- Normal (latching)
- Non-latching/Self Reset
- Dependency A, B and C (EN54-2 and AS7240-2)
- Alarm Investigation facility

The board has a programmable End of Line (EOL) feature that allows either a 3K3Ω, 4K7Ω, 6K8Ω or 10KΩ resistor value to be used on all zones. Alternatively the EOL can be a 10uF capacitor which is required to support the head removal feature when the appropriate diode bases are used.

The zone interface circuitry is capable of recognising and reporting the following conditions:

- Normal
- Open Circuit
- Short Circuit
- Alarm

The Zones are configurable using the Configuration Programs such as ConfigManager (FireFinder Plus panels) or LoopMaster (LoopSense)



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Specifications

Operating Voltage	27Vdc				
End Of Line Values (Ω)	3K3	4K7	6K8	10K	10uF
Quiescent Current total	70	55	45	35	25
Alarm Current/ Zone (Max)	25mA				
No. Zone Circuits	8, two-wire conventional				
No. Detectors/Zone	32 Max (EU) 40 Max (AUS)				
Max Cable Length	3km (based on cable resistive and capaci-				
System Capacity					
FireFinder	15 Maximum *				
LoopSense	15 Maximum *				
	* Dependant on Cabinet Size				
Temperature	-20°C to 70°C				
Humidity	0 - 95% (non condensing)				
Dimensions	155mm (L) x 72.5mm (W)				

Item Numbers

4310-0082	8 Zone Conventional Board
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