

Zone Input Device

Features

- Conventional Monitored Input
- Selectable EOL Monitoring Device
- Loop Powered
- Compatible with XP95 & Discovery Protocol
- Built In Short Circuit Isolator
- Low Power Consumption
- Diagnostic LED Indications
- Surface Mount Enclosure
- DIN Rail Mount Option

Description

The Zone Input Device is designed to allow up to 40 conventional detectors to be interfaced to the Ampac range of Apollo analogue addressable control panels.

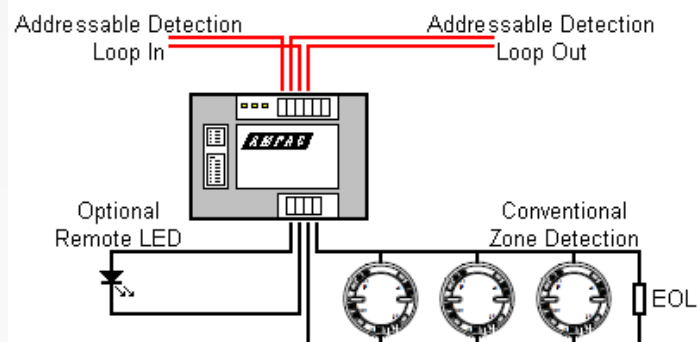
The Zone Input circuit is compatible with Series 60/65 and Orbis range of detectors and is fully monitored for alarm state, open & short circuit fault conditions. The Ampac NZ Heat detector range is also fully compatible.

The programmable End of Line (EOL) feature, incorporating Alarm Verification Facility (AVF) provides options for 3K3Ω or 6K2Ω resistor values. To facilitate support for detector head removal, a 10uF capacitor can also be selected for use with the appropriate diode bases on the conventional detection circuit.

The Ampac Zone Input Device is loop powered and incorporates bi directional isolation circuitry to provide protection against detection loop short circuits. On board LED status indication is provided for service and commissioning purposes.

Two packaging options are available. The 'DIN Mount' version enables the device to be mounted onto standard 35mm DIN rail or screwed direct to the back pan of a larger enclosure while the 'Enclosed' version allows the device to be surface mounted to a wall.

Schematic



DIN Mount version

Programming

The Zone Input Device can be programmed to function in any one of the following modes:

- Normal (latching alarm)
- Non-latching (when used as a monitoring device)
- Self Reset
- Dependency A, B and C (LoopSense only)
- Investigation (LoopSense only)
- Alarm Verification Facility (AVF) (FireFinder only)

Item Numbers

Item No	Description
4210-0058	Zone Input Device DIN Mount
4210-0059	Zone Input Device Enclosed

Specifications

Operating Voltage	17 - 28V DC		
Max Current at 24V DC	3K3 EOL	6K2 EOL	10uF EOL
Quiescent Current	7.5mA	5mA	2mA
Alarm Condition	23mA	23mA	23mA
(No Detectors connected and Polling LED disabled)			
Operating Temp.	-20°C +70°C		
Humidity	0 to 95% Non-condensing		
Dimensions	(H x W x D)		
DIN Mount	75mm x 110mm x 25mm		
Enclosed	150mm x 200mm x 52mm		
Enclosure (4210-0059)			
Cable Entry	4 Side 4 Rear Conduit knock outs Top Bottom		
Material	Grey ABS		
IP Rating	IP44		



WORLD LEADER OF INNOVATIVE SOLUTIONS
IN FIRE DETECTION AND ALARM SYSTEMS

Australia +61 8 9201 6100 Europe +44 (0) 1302 833 622 New Zealand +64 9443 8072



www.ampac.net

1 of 1