Ampac

Fire detection and evacuation solutions that save lives.

ZoneSense Plus AR
Conventional Fire Alarm Control Panel

Features

- Dedicated Agent Release system
- Comprehensive System Status - the AR panel includes a number of system status indicators that facilitates ease of operation and maintenance
- Local Control Station with control and indication – mimics full status of the Agent Release panel.
- User interface and operation based around Industry Fire Emergency procedures – ensures that the system installed is intuitive and easy to use
- Panel is robust and reliable – the Agent Release is based on a tried and tested ZoneSense PLUS
- Dual action Manual Call Point
- Agent Release Panel is compliant with AS4214

ZoneSense Plus AR (Oyster Grey cabinet shown)

Description

Based on the ZoneSense PLUS Fire Alarm Control Panel, the AR version is fitted with a dedicated Agent Release Control card and Agent Termination board plus a dual action yellow manual call point as standard.

The ZoneSense PLUS AR (Agent Release) Panel supports Pyrogen agent or agents released using either Metron or a solenoid.

Enclosed in a metal cabinet, the ZoneSense PLUS AR is available in either four (4) or eight (8) zones with each zone accommodating up to 40 conventional detectors.

Each zone can be programmed to function in one of the following modes:

- Normal (latching)
- Alarm Verification Facility (AVF)
- Non-latching
- Self Reset
- Dual selectable Agent Release

Up to four Local Control Stations can be connected to the **ZoneSense PLUS AR** panel which allows the manual release, or inhibit release of the agent from remote locations.

The **ZoneSense PLUS AR** Panel includes the following inputs for system monitoring:

- Pressure switch – monitors release of agent
- Low pressure switch – active if pressure in an agent storage cylinder drops below a set level
- Interlock – active if the agent release manual lock-off valve has been operated

Main and reserve agent release storage cylinders are supported.

The AR panel supports a 2-wire connection to various warning signs. The 2-wire connection supports both single or dual stage signs.

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Specifications

Mains Supply voltage	204 – 264 VAC @ 47 – 63Hz
Nom. Operating voltage	27 VDC
Power Supply Current	2 A (max)
Quiescent Current	40.5 mA (min)
No of Zones	4 or 8, 2 Wire
Zone Monitoring	Open and Short circuit
Zone Quiescent Current	4mA, 10uF EOL
No. of Detectors per Zone	40 max
Zone End Of Line Value	3K3Ω (default), 4K7Ω, 6K8Ω, 10KΩ and 10uF (Optional)
EXT Bell Output	500mA (max) 10KΩ EOL monitored
Warning Sys Output	500mA (max) 10KΩ EOL monitored
ACF Output	500mA (max) 10KΩ EOL monitored
ASE Output	500mA (max) 10KΩ EOL monitored
Fire Alarm Output Relay	NO, C, NC Contact: 1A @ 30VDC
Fault Output Relay	NO, C, NC Contact rating: 1A @ 30VDC
Auxiliary DC Output	500mA @ 24VDC 10KΩ EOL monitored
Reset/Buzzer Output	Open Collector, 40mA 15sec pulse
Comms Output	RS485
Operating Temperature	-5° to +55° C
Relative Humidity	25% - 75% non condensing
Dedicated Agent Release Inputs and Outputs	
Pressure Switch Input	Monitored Input
Low Pressure Switch Input	Monitored Input
Interlock Input	Monitored Input
Gas Fired Output	Volt Free Changeover 1A@24VDC
System Inoperative Output	Volt Free Changeover 1A@24VDC
Stage 1 Output	Monitored
Stage 2 Output	Monitored
Release Initial Agent Output	Monitored current limited 2A max
Release Reserve Agent Output	Monitored current limited 2A max

Item Numbers

2553-0410-0100	ZoneSense Plus AR 4 Zone (AS)
2553-0810-0100	ZoneSense Plus AR 8 Zone (AS)
4210-0040	Battery Cabinet
4210-0042	Surround

Mechanical

Material	1.2mm Mild Steel
Finish	Surf Mist Ripple
Cabinet Dimensions (mm)	505(H) x 405(W) x 150(D)
Ancillary Cabinet Dimensions (mm)	255(H) x 405(W) x 150(D)
Weight packed ex Batteries	Metal 8.5kg

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