

ZoneSense NZ1 – A Conventional Fire Alarm Control Panel

Features

- Single Fire Detection Zone
- Commercial and Residential suitability
- Programmable Zone Alarm Verification
- Front Panel Reset for Residential Panel
- Monitored Sprinkler Input
- ABS and Metal Cabinets
- Complies with NZ4512:2003

Description

The *ZoneSense NZ1* and *ZoneSense NZ1R* are both Single Zone conventional Fire Alarm Control Panels (FACP's).

Approved to NZS4512:2003, the *ZoneSense NZ1* has been designed for Commercial applications.

The *ZoneSense NZ1R* is designed for Residential applications and includes a 'Reset' facility on the front panel to allow the end user to reset the panel from an alarm state without having to open the door.

Both variants provide the following facilities:

- A single Fire detection zone which accommodates conventional Heat detectors, Smoke detectors, Manual Call Points or a combination of these devices.
- A dedicated Sprinkler Input.
- Two monitored Bell Outputs to alert personnel in the event of a fire.
- A single volt free relay programmable as either Alarm or Defect
- Two Auxiliary Open collectors outputs Alarm and Defect



ZoneSense NZ1 Commercial in ABS Cabinet



ZoneSense NZ1R Residential in Metal Cabinet

Item Numbers

2655-0100	ZoneSense NZ1 (Commercial) BX1
2655-1100	ZoneSense NZ1 (Commercial) BX10
2655-0150	ZoneSense NZ1R (Residential) BX1
2655-1150	ZoneSense NZ1R (Residential) BX10
4210-0003	BX1 Recess Mounting Kit
ENC3016-A	BX10 Surround



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Indicators

External	Colour
Fire	Red
Sprinkler Activated	Red
Defect	Amber
Normal	Green
Internal	Colour
Mains On	Green
Bell Defect	Amber
System Defect	Amber
Zone Defect	Amber
Battery Defect	Amber

Controls

External	Function
Silence Alarms	Keyswitch. When operated causes the Alarm Output to be de-activated
Evacuation	Keyswitch. When operated causes the Alarm Output to be activated
Reset (NZ1R only)	Push Button. Reset of the alarm State
Internal	Function
Reset	Push Button. Reset of the alarm State
Buzzer Mute	Push Button. Buzzer silence
Walk Test	Push Button. Place the panel into walk test
Zone Configuration	Push Button. Gating

Specifications

Power Supply	
Mains Supply	230 VAC \pm 10% @ 0.5 A
Operating Voltage	12 VDC
Quiescent Current	22 mA
Battery Capacity	1 x 12V 7AHr
Operating Temperature	-5°C to 55°C
Relative Humidity	25% - 75% non condensing
Zone Detection Circuit	
No of Zones	One (1) x 2 wire system
Zone Monitoring	Open and Short Circuit
End Of Line (EOL)	3K3 Ω EOL
No of Detectors	40
Max Cable length	3km (based on cable resistive and capacitive values of 50 Ω and 1uF respectively)
Outputs	
Alarm Outputs (monitored)	1.5A @ 12VDC 10K Ω EOL
Auxiliary Fire	Open collector 30mA (max) @ 12VDC
Auxiliary Defect	Open collector 30mA (max) @ 12VDC
Programmable Relay	Contact rating: 1A @ 30VDC
Miscellaneous Features	
Sprinkler Input (monitored)	Closing contact to operate. 10K Ω EOL
Mechanical	
Material:	
ABS Cabinet	ABS/Blend High Impact
Metal Cabinet	1.2mm Mild Steel
Finish:	
ABS Cabinet	ABS Light Grey
Metal Cabinet	Metal Oyster Matt Ripple
ABS (BX1)Cabinet	H 300mm x W 360mm x D 100mm
Metal Cabinet (BX10)	H 300mm x W 360mm x D 100mm
Packed	H 310mm x W 500mm x D 110mm
Weight	ABS 3kg / Metal 5.2kg

