



## Features

- **Single Fire detection zone**
- **Commercial and Residential version available**
- **Simple to install and set up**
- **Monitored Sprinkler input**
- **Long stand by time (240hrs)**
- **High Bell current output**
- **Programmable Zone response – Alarm Verification only**
- **Large terminals 2.5mm**
- **Front Service**
- **Front panel reset facility – residential version only**
- **Available in ABS (BX1) and Metal (BX10) cabinet versions**
- **Complies with NZS4512:2003 (NZ1 only)**



Figure 1 2655-0100 ZoneSense NZ1 (Commercial) ABS Cabinet (BX1)

## Description

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

The **ZoneSense NZ1** is designed for commercial applications and has been approved to NZS4512:2003.

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

The **ZoneSense NZ1** and **NZ1R** FACP comprises of a main printed circuit board and a mains transformer.

The main board provides the following facilities.

- Single Fire detection circuit. Can accommodate Heat detectors, Smoke detectors, Manual Call Points or a combination of these devices.
- Sprinkler Input. A contact closure at this input will initiate a fire alarm and illuminate the "Sprinkler Activated" indicator.
- Two bell outputs each to alert personnel in the event of a fire. These outputs are monitored for short and open circuit conditions.
- A single volt free relay programmable as either Alarm or Defect
- Two Auxiliary Open collectors outputs Alarm and Defect



Figure 2 2650-0151 ZoneSense NZ1R (Resident) Metal Cabinet (BX10)



## 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	Keypad. When operated causes the Alarm Output to be de-activated
Evacuation	Keypad. 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

## Item Numbers

2655-0100	ZoneSense NZ1 (Commercial) BX1
2655-0101	ZoneSense NZ1 (Commercial) BX10
2655-0150	ZoneSense NZ1R (Residential) BX1
2655-0151	ZoneSense NZ1R (Residential) BX10
ENC3016-A	BX10 Surround

## Specification

Power Supply	
Mains Supply	230 VAC ± 10% @ 0.5 A
Operating Voltage	12 VDC
Supply Current	500 mA
Quiescent Current	22 mA
Battery Capacity	1 x 12V 7AHr
Operating Temperature	-5°C to 55°C
Relative Humidity	25% - 75%
Zone Detection Circuit	
No of Zones	One (1) x 2 wire system
Zone Monitoring	Open and Short Circuit
Zone Quiescent current	40 mA @ 24 VDC, 3K3Ω EOL
End Of Line (EOL)	3K3Ω EOL
No of Detectors	40
Max Cable length	3km (based on cable resistive and capacitive values of 50Ω and 1uF respectively)
Outputs	
Alarm Outputs (monitored)	1.5A @ 12VDC 10KΩ EOL
Auxiliary Fire	Open collector 30mA (max) @ 12VDC
Auxiliary Defect	Open collector 30mA (max) @ 12VDC
Programmable Relay	NO,C,NC Contact rating: 1A @ 30VDC
Miscellaneous Features	
Sprinkler Input (monitored)	Closing contact to operate. 10KΩ EOL

## Mechanical

Material:	
ABS Cabinet (BX1)	ABS/Blend High Impact
Metal Cabinet (BX10)	1.2mm Mild Steel
Finish:	
ABS Cabinet (BX1)	ABS Light grey
Metal Cabinet (BX10)	Metal Oyster matt Ripple
ABS Cabinet (BX1)	300mm (H) x 360mm (W) x 100mm (D)
Metal Cabinet (BX10)	300mm (H) x 360mm (W) x 100mm (D)
Packed	310mm (H) x 500mm (W) x 110mm (D)
Weight packed excluding Batteries	ABS 3kg Metal 5.2kg



## ZoneSense NZ1/NZ1R A NZ Conventional Fire Alarm Control Panel

PDS2655-0100

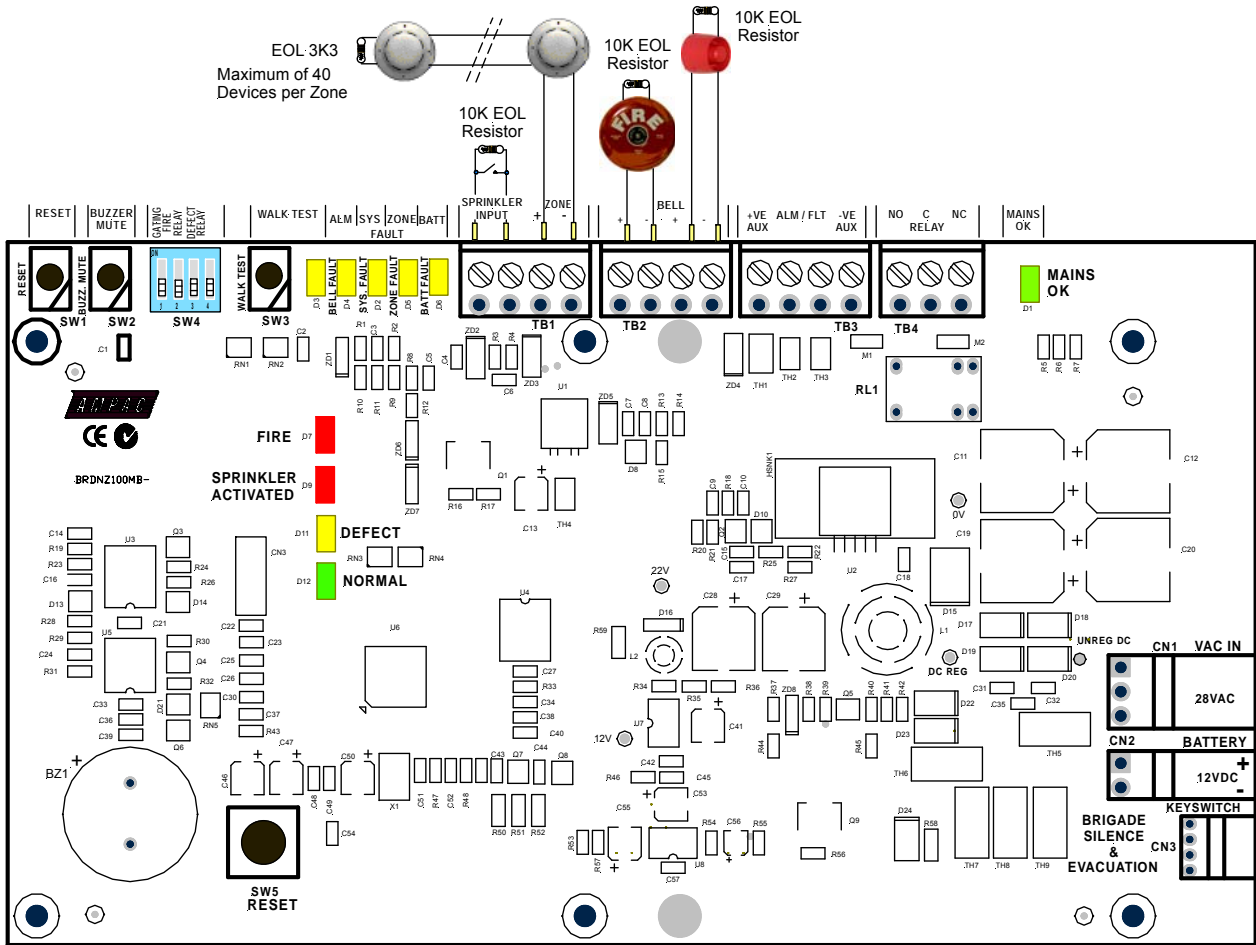


Figure 3 General wiring of the ZoneSense NZ1 FACP