



Features

- Available in 4 Zone or 8 Zone Panels
- Up to 32 Conventional detectors per zone
- Programmable delays to outputs
- Class Change input
- Alert input
- RS485 port supports a range of Add-on modules
- Available in ABS (BX1) and Metal (BX10) cabinet versions
- Complies with EN54:pt2&4, 1997

Description

The **ZoneSense PLUS** Fire Alarm Control Panel (FACP) is approved to EN54:pt2&4, 1997 and is available in ABS (BX1) or metal cabinet (BX10) with either four (4) or eight (8) zone conventional detection circuits.

The 2 line LCD display allows the user to view system status, faults/isolates, prompts for system commands; and guides the user during on-site programming.

Key features of the **ZoneSense PLUS** FACP include:

- Multi-purpose expansion capabilities
- Multi-level password access
- Tactile-feedback controls
- Selectable end-of-line
- Keyed entry

Each zone can accommodate up to 32 conventional detectors that 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

The standard **ZoneSense PLUS** FACP comprises of a main printed circuit board and a power supply unit.

The main board provides:

- The visual indication and control
- Two Relays with volt-free Alarm and Fault changeover contacts
- Termination for zones
- Monitored outputs
- Power supply monitoring
- RS485 communications port



Figure 1 2580-1200 ZoneSense Plus 8 Zone ABS Cabinet (BX1)



Figure 2 2580-0200 ZoneSense Plus 8 Zone Metal Cabinet (BX10)



Indicators

Description	Colour
Power	Green
Power Fault	Amber
System Fault	Amber
Earth Fault	Amber
Alarms Status	Amber
Fire Output Status	Amber
Fault Output Status	Amber
Ancillary Output Disabled	Amber
Test	Amber
Fire Output On	Red
Delay Active	Amber
Alarms	Red
Fire	Red
Fault	Amber
Disabled	Amber
Zone Alarm	Red
Zone Fault/Isolate	Amber

Controls

Description	Function
OVERRIDE	Is used to turn "Off" the delays to outputs programmed into the panel. The switch only operates when the panel is alarm and a delay is active
SILENCE RESOUND	Is used to turn the "Alarms Output" On/Off once they have been operated by an alarm condition.
SILENCE BUZZER	In Fault – The buzzer automatically silences on clearance of the fault On Alarm – The Buzzer Silence will only be active a ccess level 1 and manually silenced as there is no automatic silencing of the Fire condition.
RESET	Returns the panel to the normal state by clearing all alarm conditions It will not Reset a Disablement condition
EVACUATE	Turns on and latches the Alarm Outputs, Internal Buzzer and the Fire LED
◀, ▶, ▲, ▼	Navigation keys
MENU ENTER	Used to access FACP functions and confirm navigational selections
CANCEL	Returns the user to the previous menu
NORMAL ENABLED	Provides the user with Level 1 or 2 access

Item Numbers

2580-1100	4 Zone ABS (BX1)
2580-1200	8 Zone ABS (BX1)
2580-0100	4 Zone Metal (BX10)
2580-0200	8 Zone Metal (BX10)
2510-9001	Ancillary Cabinet ABS (BX1)
Add-On Panel	
4310-0040	Input Board (Fit max of 1)
4310-0050	Relay Board (panel) (Fit max of 1)
4310-0060	Sounder Board (Fit max of 1)
4310-0070	Brigade Interface Board (Fit max of 1)
Add-On External	
4310-0037	LED Annunciator Mimic (LAM)
4310-0055	Relay Board (remote) (Fit max of 1)
Accessories	
ENC1851-A	Joiner for ABS multiple cabinets
ENC3016-A	Flush mount surround for metal (BX10) cabinet

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	ABS 3kg
	excluding Batteries	Metal 5.2kg



Specification

Power Supply	
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)
Operating Temperature	-5° to +55° C
Relative Humidity	25% - 75%
Zone Detection Circuit	
No of Zones	Four (4) or Eight (8) x 2-wire system
Zone Monitoring	Open and Short circuit
Zone Quiescent Current	4mA, 10uF EOL
No of Detectors/Circuits	32 (max)
Eon Of Line Value (EOL)	10uF (default) 3K3Ω, 4K7Ω, 6K8Ω, and 10KΩ (Optional)
Max Cable Length	3km (Based on cable resistive and capacitive values of 50Ω and 1uF respectively)

Specification (cont)

Outputs Available	
Comms Output	RS485 (4 and 8 zone only)
Alarms Output (monitored)	4 x 500 mA 10KΩ EOL
Fire Output (monitored)	30 mA (max) 10KΩ EOL
Fault Output (monitored)	30 mA (max) 10KΩ EOL
Reset/Buzzer Output	Open Collector, 40mA 15sec pulse
Ancillary Output Relay (voltage free)	NO, C, NC Contact rating: 1A @ 30VDC
Fault Output Relay (voltage free)	NO, C, NC Contact rating: 1A @ 30VDC
Auxiliary DC Output (monitored)	500mA @ 24VDC 10KΩ EOL
Miscellaneous Features	
Class Change Input	Non-Latching, switched -ve
Alert Input	Non-Latching, switched -ve

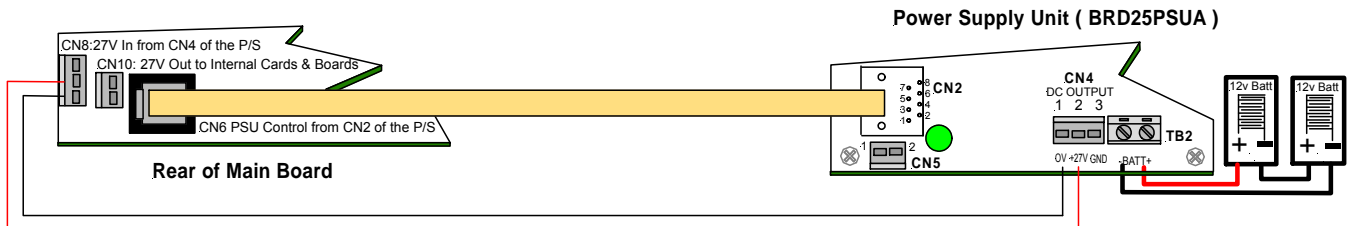
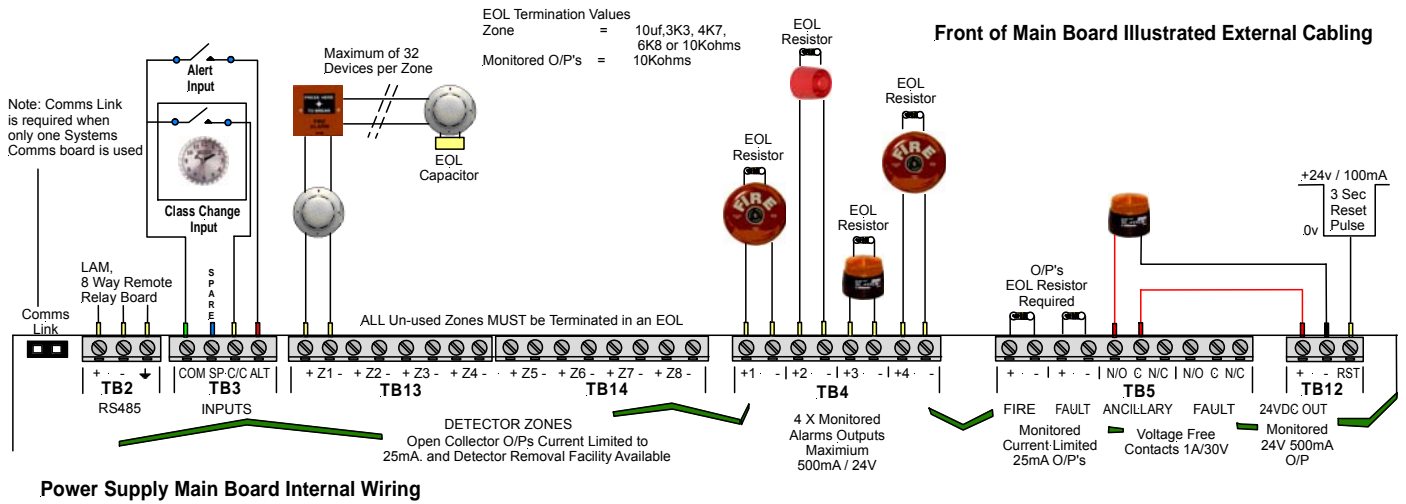


Figure 3 General Wiring of the ZoneSense PLUS FACP