

ZoneSense FIRE ALARM CONTROL PANEL (EN54:Pt2&4,1997) A Conventional Fire Alarm Control Panel

Description

The **ZoneSense** Fire Alarm Control Panel (FACP) is available in two (2), four (4) or eight (8) two-wire conventional detection circuits. Three (3) panel add-ons complement the **ZoneSense** and they include:

- Relay Board - panel
- Relay Board - remote
- LED Annunciator Master (LAM) - remote

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

- RS485 port supports self learn panel add-ons
- Programmable delays to outputs
- Low quiescent current
- Detector head removal facility
- Single PCB architecture
- Easy to use
- Walk test facility
- Complies with EN54:Pt2&4,1997

Each conventional detection circuit accommodates up to 32 Conventional Fire Detectors.

The front panel layout of the **ZoneSense** FACP offers a user friendly interface by providing clear visual indications and tactile-feedback controls.



ZoneSense Fire Alarm Control Panel

Technical

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

The main board provides the following facilities:

- Accommodates the visual indications and controls for the FACP
- Two (2) volt-free changeover contacts (remote & fault)
- Termination for detection zones
- Two (2) or four (4) monitored alarms outputs (qty is version dependant)
- Two (2) non-latching inputs ('class change' and 'alert')
- On board power supply
- Four (4) open collector outputs (reset, fault, ancillary and remote)
- Auxiliary 24VDC output
- RS485 communications port for add on modules (4 & 8 Zones only)

Order Code	Description
Panel	
2280-1100	2 Zone - ABS EN54 ex. Batteries
2280-1200	4 Zone - ABS EN54 ex. Batteries
2280-1300	8 Zone - ABS EN54 ex. Batteries
2280-1400	2 Zone - ABS EN54 c/w Batteries 2.1 AH
2280-1500	4 Zone - ABS EN54 c/w Batteries 2.1 AH
2280-1600	8 Zone - ABS EN54 c/w Batteries 3.2 AH
2280-1150	2 Zone - ABS EN54 c/w Controls Enable Key ex. Batteries
2280-1250	4 Zone - ABS EN54 c/w Controls Enable Key ex. Batteries
2280-1350	8 Zone - ABS EN54 c/w Controls Enable Key ex. Batteries
2280-1450	2 Zone - ABS EN54 c/w Controls Enable Key c/w Batteries 2.1 AH
2280-1550	4 Zone - ABS EN54 c/w Controls Enable Key c/w Batteries 2.1 AH
2280-1650	8 Zone - ABS EN54 c/w Controls Enable Key c/w Batteries 3.2 AH
Panel Add-on	
4310-0050	Relay Board (max 1)
Panel Add-ons – Remote	
4310-0055	Relay Board (max 1)
4310-0037	LED Annunciator Master (LAM) (max 4)

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INDICATORS

DESCRIPTION	COLOUR
Power	Green
Power Fault	Amber
System Fault	Amber
Controls Enabled	Amber
Alarms Status	Amber
Auxiliary Power Fault	Amber
Remote Output Disabled	Amber
Fault Output Disabled	Amber
Ancillary Output Disabled	Amber
Test	Amber
Remote Output On	Red
Delay Active	Amber
Alarms Status	Amber
Fire	Red
Fault	Amber
Disabled	Amber
Individual Zone Fire	Red
Individual Zone Fault/Disabled/Test	Amber

CONTROLS

DESCRIPTION	FUNCTION
DELAY OVERRIDE	Manually overrides delays to outputs programmed in the FACP
ALARMS SILENCE/RESOUND	Turns off alarms outputs after Fire condition, toggles to turn alarms outputs back on
SILENCE BUZZER	Silences FACP buzzer on receipt of Fire or Fault condition
RESET	Returns the panel to the normal state
EVACUATE	Turns on all Alarms Outputs
NEXT, (0)	Used to enter password (0) and select zone or output for disable or test
LAMP TEST, (1)	Used to enter password (1) and initiate lamp or walk test
DISABLE/ENABLE, (2)	Used to enter password (2) and disable or enable selected zone or output
EXIT, (3)	Used to enter password (3) or exit back to access level 1

SPECIFICATIONS

Mains Supply Voltage	204-264 VAC @ 47-63Hz		
Nom. Operating Voltage	27 VDC		
	2 Zone	4 Zone	8 Zone
Power Supply Current	1A	1A	1.6A
Quiescent Current	20mA	20mA	21mA
Alarms Outputs (monitored)	2 x 250mA	2 x 250mA	4 x 250mA
Auxiliary DC Output	150mA @ 24VDC		
Remote Output	Relay – VFCO 1A 30VDC Open Collector 40mA		
Fault Output	Relay – VFCO 1A 30VDC Open Collector 40mA		
Auxiliary	Open Collector 40mA		
Reset	Open Collector 40mA 15sec pulse		
Comms Output	RS485 (4 and 8 zone only)		
Class Change Input	Momentary switched -ve		
Alert Input	Momentary switched -ve		
Delays	DIP switch array		
End-Of-Line Values	Zones: Capacitive 10µF Alarms: Resistive 10k ohm		
Material	Cabinet High Impact ABS		
Finish	Cabinet Light Grey		
Dimension (mm)	Height	Width	Depth
Cabinet	300	360	100
Recess (Semi flush mtd)	300	360	80
Packed	310	500	110
Weight	3kg packed ex batteries		