

Fire detection and evacuation solutions that save lives.

ZoneSense DH4

Conventional Fire Alarm Control Panel

Features

- Dual Door Holder Outputs
- Mains Only Mode
- Low Quiescent Current
- Walk Test Facility
- Class Change Input
- Alert Input
- Up to 40 Conventional Detectors per Zone
- Available in ABS and Metal Cabinets

Description

The ZoneSense DH4 is a four (4) zone conventional Fire Alarm Control Panel (FACP) with a front panel layout that offers a user friendly interface, clear visual indications and tactile-feedback for controls.

The design of the ZoneSense DH4 focuses on applications for local alarm FACP's – i.e. a non-brigade calling system but with a host of features.

Key features of the ZoneSense DH4 FACP include:

- Dual Door Holder Outputs – two failsafe 24VDC outputs for fire door operation. The outputs are deactivated and doors are released if an alarm condition is present or they are manually released at the front panel
- Mains Only Mode or optional backup battery operation – factory set to operate on mains only. Changing the setting will permit monitoring of optional batteries
- Low quiescent current – of particular benefit if the battery option is used
- Walk Test Facility – allows a single person to perform a system test
- Class Change Input – allows the alarm output to be controlled by an external programmable timer
- Alert Input – when an alert input is active the alarm output will pulse on and off in 1 sec intervals
- Easy to use – the panel is simple to operate, install and commission therefore reducing costs

Each detection circuit accommodates up to 40 Conventional Fire Detectors.



ZoneSense DH4 in ABS Cabinet



ZoneSense DH4 in Metal Cabinet

Item Numbers

2250-4200	ZoneSense DH4 ABS (BX1) excl Batteries
2250-4250	ZoneSense DH4 METAL (BX10) excl Batteries
4210-0003	BX1 Recess Mounting Kit
ENC3016-A	Metal BX10 Surround

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Specifications

Power Supply

Mains Supply voltage	204 – 264 VAC @ 47 – 63Hz
Nom. Operating voltage	27 VDC
Power Supply Current	1.6 A (max)
Quiescent Current	20 mA (without Door Holder)
Operating Temperature	-5° to +55° C
Relative Humidity	25% - 75% non condensing

Zone Detection Circuit

No of Zones	Four (4) x 2-wire system
Zone Monitoring	Open and Short circuit
Zone Quiescent Current	4mA, 10uF EOL
No of Detectors/Circuits	40 (max)
End Of Line (EOL)	10uF EOL
Max Cable Length	3km (Based on cable resistive and capacitive values of 50Ω and 1uF respectively)

Outputs Available

Alarm Outputs (monitored)	2 x 250mA @ 27Vdc ea, 10KΩ EOL
Door Holder outputs (monitored)	2 x 250mA @ 27Vdc ea, 10KΩ EOL
Fire 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	150mA @ 24VDC

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Miscellaneous Features

Class Change Input	Non-Latching, switched -ve
Alert Input	Non-Latching, switched -ve
Battery Monitoring	4 Way DIP switch array (factory set to "OFF")

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

Dimensions (mm)	300 H x 360 W x 100 D
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Weight Packed excluding batteries	ABS 3kg / Metal 5.2kg
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