

ProFyre C8

1 to 8 Zone, EN54, Conventional Fire Alarm Panel



Description

A compact, fully-featured, cost effective conventional fire alarm panel, available in 1, 2, 4, 6 or 8 zone versions. The stylish plastic enclosure can be surface or semi-recess mounted and has a fully removable front providing excellent access during installation and commissioning. Internal electronics are on a single removable PCB, allowing installation to be carried out at any stage without risk of damage to internal electronics and controls. User controls and programming features are accessed using an integral key-pad/entry code.

Features

- Designed to EN54 parts 2 and 4
- 1, 2, 4, 6 or 8 zone circuits (see order codes)
- Up to 4 conventional sounder circuits
- Head removal monitoring
- Fire and Fault relays
- Key-pad, key-less activate controls
- Programmable 'class change' input
- Combined surface / semi-recessed plastic enclosure
- Internal switch-mode power supply (EN54-4 A2)
- Disablement function for zones and/or sounders
- One man test
- Sounder delay option
- Selectable auxiliary supply output
- Space for 3.4 Ah SLA batteries

Detection Circuit

Max. Number of Zones	1, 2, 4, 6 or 8 (see order codes below)
Head Removal Monitoring	E.O.L. Monitoring device included
Zone Capacity	32 devices per zone
Zone Voltage	22.5V DC (Nominal)
Terminals	Removable, 1.5mm ²
MCP Trigger Resistance	470 or 680 Ohm
End-of-line Device	1N4002 Diode
Short Circuit Protection	40mA

Sounder Circuit

Max. Number of Outputs	2 x for 1 & 2 zone panel, 4 x for 4, 6 & 8 Zone panel
Output Voltage	20 - 28V DC
Output Current	2 or 4 x 150mA @24V DC each (max.)
Programmable Delay Period	0 - 10 mins in 1 minute increments
Open and Short Circuit Monitoring	10k Ohm E.O.L. device
Circuit Protection	Thermal resettable fuses
Sounders Connections	Must be polarised

Hades Fire Protection Limited
Unit 2022, Waterham Business Park
Highstreet Road
Waterham
Faversham
Kent
ME13 9EJ

Email: sales@valuealarms.com
info@hadesfire.com

Telephone: 01795 506315

www.valuealarms.com
www.hadesfire.com



Power Supply

Mains Voltage	230V AC +10% / -15% @50/60 Hz
System Voltage	24V DC (nominal)
Charger Voltage	28.6V @25°C (no battery connected)
Total Output Current	1.1A DC
Battery Capacity	3.4 Ah Max
Battery Cut-off Voltage	Less than 20V DC
Battery Internal Resistance Limit	0.9 Ohm
Battery Fuse	2A quick-blow, glass 5 x 20mm
Internal Brass Earth Bus-bar	12 x terminals 2.5mm ²

Outputs

Fire Alarm Contact	1 (or 2*) x VFCO, single pole, SELV @1A max.
Fault Contact	1* x VFCO single pole, SELV @1A max. * Can also be used as second fire contact
Auxillary 24V DC (selectable)	2 x 150mA (uses sounder circuits 3 and/or 4 if unused) Available only of 4, 6 and 8 zone panels

Inputs

Class-Change (selectable)	Uses Zone 2 (selectable by DIL switch)
Repeater Panel Output (future use)	RS485

Mechanical

Enclosure Dimensions (W x H x D mm)	Outer: 371 x 302 x 93
	Inner: 350 x 291 x 38 (for semi-recess mounting)
Mounting Points	1 top centre keyhole + 4 at corners
Weight	3kg (excluding batteries)
Top Cable Entries	15 x 20mm knock-outs

Environmental

Operating Temperature	-5 to +40°C
Operating Humidity	95% (non condensing)

Ordering Information

1 Zone, 2 Sounder Circuit	Part: 37-650E	Model: C8-1
2 Zone, 2 Sounder Circuit	Part: 37-651E	Model: C8-2
4 Zone, 4 Sounder Circuit	Part: 37-652E	Model: C8-4
6 Zone, 4 Sounder Circuit	Part: 37-653E	Model: C8-6
8 Zone, 4 Sounder Circuit	Part: 37-654E	Model: C8-8
Fire System Mains Isolator, Red	Part: 400-210R	

