



## Key Features

EN54 Part 2 & 4 Approved



1, 2, 4, 6 or 8 zone circuits



Up to 4 conventional sounder circuits



Fire and Fault relays



Key-pad, key-less activate controls



## Overview

A compact, fully-featured, cost effective conventional fire alarm panel, available in 1, 2, 4, 6 or 8 zone versions. The ProFyre C8 system is the ideal choice for small to medium sized 'conventional style' system installations, where a reliable and easy to install automatic fire detection and alarm solution is required.

Control panels have either 2 or 4 sounder solid-state fused outputs (depending upon model), together with fire and fault voltage free contacts for connecting to auxiliary plant and remote services.

## Profyre Conventional Devices

All devices have been designed with ease of installation and commissioning in mind, thereby saving time and associated costs. The products are all manufactured to exacting standards, and have a high quality, attractive finish enabling the products to be specified and installed in the most aesthetically demanding environments.

Complemented by a complete range of ProFyre conventional field devices, the ProFyre C8 is the logical choice for systems that require clear alarm management and ease of use.

## Compatible with Apollo Conventional Devices

The ProFyre C8 control panel has been independently tested and approved by Apollo Fire Detectors for use with Series 65 and Orbis devices in accordance with Apollo compatibility test schedule TSP03.

## Mounting Options

The ProFyre C8 has been designed to accommodate various applications. A single version that can be mounted surface or semi-flush.

## Excellent Access

The C8 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.

## Battery Capacity

The ProFyre C8 can accommodate for up to two 12V 7Ah sealed lead acid (SLA) rechargeable batteries for applications that require a longer standby requirement.

## Panel Compartment

The C8 enclosure has a sliding compartment door which holds both the installation and user manuals allowing easy access to information when needed.

## Wi-Fyre Compatible

It is possible to combine a Wi-Fyre transponder and its associated wireless field devices with an existing hard-wired conventional zone circuit, sounder circuit or a combination of both. This enables Wi-Fyre field devices to seamlessly co-exist with existing fire detectors and sounders on the same circuit.

## Approvals

The ProFyre C8 is fully approved by BSI for safe use and installation in any European Union country and bears the CE mark to show that it complies with all the applicable Directives including the CPR, EMC and the Low Voltage Directive (LVD).

### **EN54-2:1997+A1:2006**

Fire detection and fire alarm systems – Control and indicating equipment.

### **EN54-4:1997+A1:2002+A2:2006**

Fire detection and fire alarm systems – Power supply equipment.

## Tech Specs

Zones	1, 2, 4, 6, 8
Device	32 per Zone
Zone Voltage	22.5Vdc Nominal

## Tech Specs

<b>Zone Short Circuit Protection</b>	40mA
<b>Zone End of Line Device</b>	1N4002 Diode
<b>Manual Call Point Trigger Resistance</b>	470 Ohm or 680 Ohm
<b>Panel</b>	Class Change (via Zone 2, Selectable by DIL Switch) Sounder Delay One Man Test Facility Zonal & Sounder Isolation
<b>Indication</b>	Power, General Fire, General Fault, General Test, Supply Fault, Sounder Fault Disablement, System Fault, General Disablement, Earth Fault, Sounder Delay, General Short Circuit Fault, Control Enabled, Zone 1-8 Fire, Zone 1-8 Fault, Zone 1-8 Test, Zone 1-8 Disable
<b>Controls</b>	Panel Access, Start/Stop Sounders, Silence Buzzers, Reset, Override Sounder Delay, Controls Including Cancel and Test
<b>Outputs</b>	1 x VFCO Single Pole Fault Relay: SELV @ 1A 1 (or 2*) x VFCO Single Pole Fire Relay: SELV @ 1A Fault Relay can be used as second fire contact 2 x Auxiliary Relay: 24Vdc @ 150mA (Uses Sounder Circuits 3 and/or 4 if unused) Available Only for 4, 6 and 8 Zone Panels
<b>Inputs</b>	Class Change (Selectable): Uses Zone 2 (Selectable by DIL Switch) Sounder Alarm Outputs: 2 x 150mA @ 24Vdc (2 Zone Panel) 4 x 150mA @ 24Vdc (4, 6, & 8 Zone Panel)
<b>Sounder Circuit</b>	Sounder Activation Delay: 0 to 10 Minutes – In 1 Min Increments Sounder End of Line Device: 10K Resistor
<b>Mains Voltage</b>	100 – 240Vac +/- 10% @ 50/60Hz
<b>System Voltage</b>	24Vdc Nominal (18 – 32V)
<b>Charger Voltage</b>	28.6V @ 25°C (No Batteries Connected)
<b>Total PSU Output</b>	1.1A
<b>Battery Capacity</b>	2 x 12V 7Ah SLA (Max)
<b>Battery Cut-off Voltage</b>	Less Than 20Vdc

## Tech Specs

Weight	3kg (6.61lbs) Excluding Batteries
Dimensions (W x H x D)	Outer: 371mm x 302mm x 93mm (14.60in x 11.88in x 3.66in) Inner for Semi-recess Mounting : 350mm x 291mm x 38mm (13.77in x 11.45in x 1.49in)
Cable Entries	Top: 15 x 20mm Knockouts
Mounting Points	5
Operating Conditions	Operating Temperature: -5° to +40°C (23°F to 104°F) Humidity: 0% to 95% RH, non-condensing
Colour	White
IP Rating	IP30
Design Environment	Indoor Use Only

## Ordering Information

Part Number	Description
13-000	ProFyre C8, 1 Zone Conventional Fire Alarm Panel
13-001	ProFyre C8, 2 Zone Conventional Fire Alarm Panel
13-002	ProFyre C8, 4 Zone Conventional Fire Alarm Panel
13-003	ProFyre C8, 6 Zone Conventional Fire Alarm Panel
13-004	ProFyre C8, 8 Zone Conventional Fire Alarm Panel