



Key Features

Approved to EN54-2 & 4



8, 16, 24 zone versions



4 monitored sounder circuits



Expansion of zone and sounder circuits



Repeater panel output



Overview

A flexible, fully-featured expandable modular based conventional fire alarm control panel available in **8, 16 or 24** zone versions. The panel provides a high standard of quality and reliability that is easy to install, commission, maintain and simple to operate.

The metal enclosure can be surface or semi-flush mounted and provides excellent access during the installation and commissioning stages. 4 monitored sounder circuits and a SELV fault and fire relay are included with further expansion options for zones and sounder circuits using the modular based expansion PCB cards.

ProFyre Conventional Devices

Complemented by a complete range of **ProFyre conventional field devices**, the ProFyre C24 is the logical choice for systems that require clear alarm management and ease of use.

Mounting Options

The ProFyre C24 has been designed to accommodate for many applications. Available in 2 versions; surface or semi-flush.

Approvals

The ProFyre C24 is fully approved by Intertek 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	8, 16, 24
Device	32 per Zone
Zone Voltage	21Vdc Nominal
Zone Short Circuit Protection	100mA
Zone End of Line Device	1N4002 Diode
Manual Call Point Trigger Resistance	470 Ohm or 680 Ohm
Panel	Sounder Delay One Man Test Facility Zonal & Sounder Isolation
Indication	Power, Common Fire, Common Fault, Supply Fault, Earth Fault, System Fault, General S/C, Sounder Fault Disablement, Sounder Delay, F.A.R.E Active, F.A.R.E Fault Disablement, Repeater Fault, General Disablement, General Test, Controls Active, Zone 1-24 Fire, Zone 1-24, Fault, Zone 1-24 Test/Disabled
Controls	Panel Access, Start/Stop Sounders, Silence Buzzers, Reset, LED Test, Sounder Delay, Function, Scroll, Select
Outputs	1 x VFCO Fault Relay: SELV @ 1A 1 x VFCO Fire Relay: SELV @ 1A 1 x Auxiliary Output: 24Vdc @ 250mA
Inputs	Sounder Alarm Outputs: 4 x 150mA @ 24Vdc
Sounder Circuit	Sounder Activation Delay: 0 to 9 Minutes – In 1 Min Increments Sounder End of Line Device: 10K Resistor
Mains Voltage	230Vac +/- 10% @ 50/60Hz
System Voltage	28Vdc Nominal (19 – 32V)
Charger Voltage	27.6V @ 25°C (No Batteries Connected)
Total PSU Output	5A
Battery Capacity	2 x 12V 17Ah SLA (Max)
Battery Cut-off Voltage	Less Than 20.5Vdc
Dimensions (W x H x D)	485mm x 477.5mm x 125mm (19.09in x 18.80in x 4.92in)
Cable Entries	Top: 20 x 20mm Knockouts Bottom: 6 x 20mm Knockouts

Tech Specs

Mounting Points	3
Material	Mild Steel
Colour	RAL 7035
Operating Conditions	Operating Temperature: 0° to +50°C (32°F to 122°F) Humidity: 0% to 95% RH, non-condensing
IP Rating	IP30
Design Environment	Indoor Use Only

Ordering Information

Part Number	Description
13-010	ProFyre C24, 8 Zone Conventional Fire Alarm Panel
13-011	ProFyre C24, 16 Zone Conventional Fire Alarm Panel
13-012	ProFyre C24, 24 Zone Conventional Fire Alarm Panel