Key Features

Plug & play; no need for any special tools or PC for commissioning ✅

1 or 2 loops ✅

64, 126, or 252 addresses ✅

User definable zones ✅

20 Character device labels ✅

Overview

A compact, stylish, easy to install and configure 1 or 2 loop panel range, designed to enable installation and commissioning to take place without the need for an external PC connection.

Mounting Options

The ProFyre A2 has been designed to accommodate for many applications. Available in 3 versions; surface, semi-flush or flush.

Device Allocation

Field devices are automatically allocated to zones during final configuration by virtue of their logical address, with device text being entered using the fully integrated Qwerty keypad. An A2 panel can have up to 8 zones.

Alarm Verification

Alarm verification combined with local device alarm sounding is an established technique to reduce localised unwanted alarms affecting other occupancies, particularly in HMO's (house in multiple occupation). Each smoke detector is therefore programmable (at the panel) and, if set to verify mode, will only raise a local alarm during the verify period chosen, prior to a full evacuation taking place. During the verification period, if the smoke or heat level drops below the alarm threshold, the affected local sandwich sounder will auto-reset and the system will return to normal without manual intervention.

Profyre addressable Devices

Complemented by a complete range of ProFyre addressable field devices, the ProFyre A2 is the perfect choice for systems that require straightforward alarm management and ease of use.

Wi-Fyre Compatible

For complete system flexibly, a loop powered Wi-Fyre Transponder can be connected at any point on the A2 loop wiring, enabling matching 'wireless' detector, call points, sounders or interfaces to be seamlessly connected to the wired system. This means that, wireless devices can now be specified and used on an 'as-needed basis' on a ProFyre addressable system, without the need for additional power supplies and associated wiring.

Approvals

The ProFyre A2 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

Protocol	ProFyre Open Protocol
Loops	1 or 2 Loops (Refer to Ordering Information)
Zones	4 or 8 (Refer to Ordering Information)
Devices	64, 126 or 252 (Refer to Ordering Information)
Loop Voltage	28Vdc Nominal
Loop Short Circuit Protection	750mA
Loop Resistance	25 ohms (Max)
Loop Capacitance	0.3μF (Max)
Zone Capacity	Recommended Maximum: 32 Devices Per Zone

Tech Specs

Panel	Auto Learn Loop Facility Multilingual: English, Spanish, Portuguese, French, Italian 20 Zone & Device Character Sets Sounder Synchronisation Alarm Tone Selection Class Change (via Interface Module) Device Reports One Man Test Facility Device, Zonal & Sounder Isolation Device Location Facility (LED Toggling) Alarm Verification Alarm Operation Event Log: 2048 Events (Alarm, Fault Log)
Display	Back-lit 4 by 20 Character Blue LCD Display
Indication	Power, Common Fire, Common Fault, Supply Fault, Earth Fault, System Fault, Loop Fault, Sounder Fault, Sounder Test, Sounder Disable, Zone 1-8 Fire, Zone 1-8 Fault, Zone 1-8 Test, Zone 1-8 Disable, General Test, General Disablement, Sounders Active, Access On
Controls	Panel Access, Start/Stop Sounders, Silence Buzzers, Reset, LED Test, Menu Navigation, Numeric Keypad Including Cancel and Enter, Keyboard Including Delete and Caps Lock, General Test, General Disablement
Outputs	1 x VFCO Single Pole Fire Relay: 28Vdc @ 1A 1 x VFCO Single Pole Failsafe Fault Relay: 28Vdc @ 1A 1 x Auxiliary Relay: 24Vdc @ 1A (Spare Fused Output on PSU PCB) 1 x Repeater Output: Display Only RS485 (SELV Power Required) 1 x Printer Output: RS232 Serial
Inputs	Class Change: S/C Input to Start, O/C to Stop Sounders
Sounder Circuit	Loop Powered Sounders Only
Mains Voltage	230Vac +/- 10% @ 50/60Hz
System Voltage	28Vdc Nominal (18-32V)
Charger Voltage	27.6V @ 25°C (No Batteries Connected)
Total PSU Output	2A
Charger Current	**750mA**
Battery Capacity	2 x 12V 12Ah SLA (Max)
Battery Cut-off Voltage	Less Than 19.7Vdc

Tech Specs

Battery Internal Resistance Limit	0.9 ohm
Weight	5.4kg (11.90lbs) Excluding Batteries
Dimensions (W x H x D)	375mm x 335mm x 128mm (14.76in x 13.19in x 5.03in)
Cable Entries	Top: 12 x 20mm Knockouts Bottom: 2 x 20mm Knockouts Rear: 2 Removable Entries, 60 x 20mm
Mounting Points	3
Operating Conditions	Operating Temperature: -5° to +40°C (23°F to 104°F) Humidity: 0% to 95% RH, non-condensing
Material	Mild Steel
Colour	RAL 7035
IP Rating	IP30
Design Environment	Indoor Use Only

Ordering Information

Part Number	Description
17-050	ProFyre A2, 1 Loop, 64 Address Analogue Addressable Fire Alarm Panel
17-051	ProFyre A2, 1 Loop, 126 Address Analogue Addressable Fire Alarm Panel
17-052	ProFyre A2, 2 Loop, 252 Address Analogue Addressable Fire Alarm Panel