



Key Features

- Addressed with dip switches or a hand-held programmer ✔

- Integral bi-directional short circuit isolator ✔

- Visible status, fault and alarm LED indication ✔

- Additional input for monitoring a remote power supply unit ✔

- Surface or Semi-flush mounting ✔

Overview

The Addressable Sounder Circuit Controller is designed to run conventional style alarm devices such as electronic sounders, bells and beacons, where the current consumption prohibits the use of ProFyre addressable loop powered devices. The module also includes input terminals to monitor a remote power supply.

The module is not loop powered. A suitable 24Vdc input is required with the necessary battery back-up capacity. Note, the external supply should provide adequate current to operate the ProFyre Addressable Sounder Circuit Controller in addition to operating the connected alarm load.

A bi-directional short-circuit isolator has been fitted to the interface module to ensure continued functionality in the event of a short-circuit on either the loop in or out terminals.

The interface is supplied with a back box incorporating four 20mm knock-outs and three mini trunking knock-outs for surface mounting purposes. The device is also compact enough to be mounted directly on to a double European back box for semi-flush mounting. To minimise any damage during installation, all electronics are protected by a cover. The ProFyre Addressable Sounder Circuit Controller has an ingress protection rating of IP21C (with back box) for internal use only.

The ProFyre Addressable Sounder Circuit Controller is compatible with the analogue addressable ProFyre A4, A2 and T8 2-wire fire alarm systems.

Approvals

The ProFyre Sounder Circuit Controller 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).

EN54-17:2005 + AC: 2007

Fire detection and fire alarm systems – Short circuit isolators.

EN54-18:2005 + AC: 2007

Fire detection and fire alarm systems – Input/output devices.

Tech Specs

Operating Voltage (Loop)	17 to 28Vdc
Quiescent Current (Loop)	0.6mA
Fault Current (Loop)	0.6mA
Sounder On Current (Loop)	20.8mA
Operating Voltage (External Power)	9-32Vdc
Quiescent Current (External @ 24V)	2mA
Sounder On Current (External @ 9V)	2.5mA Plus Sounder Load
Sounder On Current (External @ 32V)	9.5mA Plus Sounder Load
Sounder Output Rating	500mA
Isolating Current	7.3mA
Sounder End of Line	10k
Operating Conditions	Tested to: -10°C to +55°C (14°F to 131°F) Humidity: 0% to 95% RH, non-condensing
IP Rating	IP21C
Design Environment	Indoor Use Only
Weight	0.22kg

Ordering Information

Part Number	Description
16-112	ProFyre Addressable Sounder Control Unit with Isolator (requires an external PSU)