



Key Features

Loop powered



Addressed with dip switches or a hand-held programmer



Integral bi-directional short circuit isolator



Visible status, fault and alarm LED indication



Surface or Semi-flush mounting



Overview

The Addressable Input/Output Module is designed for both monitoring a low voltage input and at the same time, a local output (relay output) which needs to be triggered to switch ancillary equipment on or off during an alarm. Typical output triggering includes, controlling lift operation during an alarm, starting a fire pump, or stopping ventilation fans etc. This interface is only for low voltage equipment. Please refer to the mains switching version for 230V operation. The module also includes a polarity sensitive input for optional monitoring of an external voltage (maximum 30V).

The interface module is loop powered and there can be a maximum of 60 devices per ProFyre loop, subject to other device loading.

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 Input/Output module has an ingress protection rating of IP21C (with back box) for internal use only.

The ProFyre Addressable Input/Output Module is compatible with the analogue addressable ProFyre A4, A2 and T8 2-wire fire alarm systems.

Approvals

The ProFyre Input/Output Module 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 @ 24V	1mA
Switch Input Closed (LED OFF)	1.25mA
Relay Operated (LED ON)	2.0mA (Max 2 LEDs on)
Relay Rating	SELV @ 1A
Isolating Current	7.3mA
Input End Of Line	20k
Alarm Triggering Resistor	1k
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
16-111	ProFyre Addressable Input/Output Unit with Isolator