



## Key Features

Low Profile



360 Degree LED Indication



Lockable to base to stop unauthorised removal



Remote LED Output



Addressed with dip switches or a hand-held programmer



## Overview

The optical smoke detector uses a pulsing IR LED and photo diode to detect IR scatter caused by smoke entering the chamber. The detector is particularly suitable for detecting optically dense smoke, involving materials such as soft furnishings, PVC, plastic, foam and all similar materials which produce small visible particles (0.5 to 10µm).

## Profyre Compatible Addressable Panels

The ProFyre addressable detector range has been designed to complement the ProFyre A4 and A2 analogue addressable control panels & the ProFyre T8 2-wire system.

## 360 Degree Indication

The range has been housed in a stylish and attractive moulding with 360 degree LED indication.

## Detector Accessories

All of the ProFyre range devices can be coupled with a sandwich sounder and therefore fitting of a sounder base is not essential should audibility be an issue.

## Approvals

The ProFyre addressable optical detector is fully approved by LPCB 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).

### BS EN 54-7:2000 + A1: 2002 + A2:2006

Fire detection and fire alarm systems. Smoke detectors. Point smoke detectors that operate using scattered light, transmitted light or ionization.

## Tech Specs

Alarm Condition	2.4% obs/m
Coverage	100m <sup>2</sup>
Operating Voltage	10.50 to 33Vdc
Quiescent Current	120µA (Max)
Alarm Current	45mA
Remote Output	20mA at 24Vdc
Operating Conditions	Tested to: -10°C to +50°C (14°F to 122°F) Maximum Continuous Temperature: 0°C (32°F) Humidity: 0% to 95% RH, non-condensing
IP Rating	IP43
Design Environment	Indoor Use Only
Weight	0.075kg (0.16lbs)

## Ordering Information

Part Number	Description
16-050	ProFyre Addressable Optical Smoke Detector