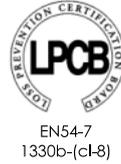


# FL-433/PD

## Intelligent Addressable Optical Smoke Detector



### Features and Benefits

- EN54-7:2000 +A1:2002 +A2:2006 Certified
- LPCB Approved
- Using microprocessor technology with memory capacity up to 10 events
- Analogue sending and digital addressing
- Provide real time algorithm to the control panel
- Smart linear drift compensation
- Onsite adjustable parameter
- 360-degree visual indicator
- Removable chamber against dust and small insect
- Ancillary remote indicator output
- Aesthetically pleasing design

### Overview

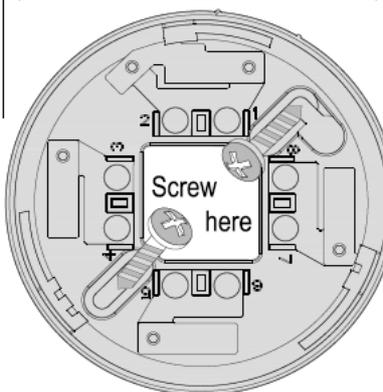
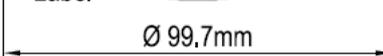
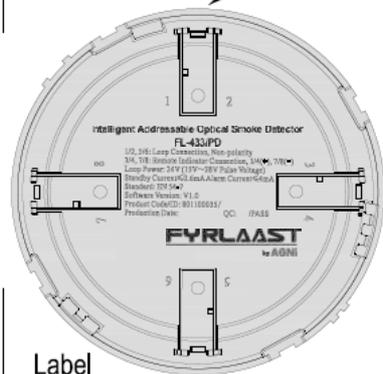
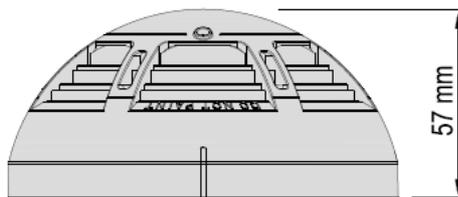
The FL-433/PD Intelligent Analogue Addressable Optical Smoke Detector is the ideal device for most applications, due to its spiffing linear response to a wide variety of different types of smoke patterns. The FL-433/PD is manufactured based on the sensitivity requirement of EN 54 part 7, European Standard. The unit is aesthetically pleasing with unobtrusive design that will complement modern building designs. The unit incorporates an intelligent processor that provides Algorithm map, inbuilt A/D converter, Drift compensation, and Self-Diagnosis and History log.

Secure and speedy communication through the on-board processor enables the detector to make its own decision, resulting in greater automation. In the event of fire, the integral microprocessor analyses the signal according to factors such as signal strength and rate of increase, then confirms these patterns with the pre-programmed fire scenarios and smoke patterns, for a faster and safer response. Once it is confirmed, the LED indicates the sensor status and parallel sending communication signal to the control panel. The FL-433/PD detector is compatible to the FL-4000 series of Analogue Intelligent Fire Alarm Control Panels.

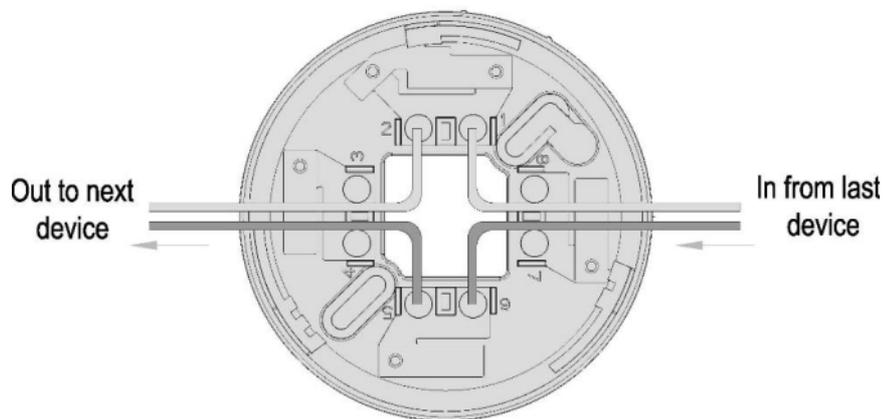
## Technical Specification

<b>Listed</b>	<b>LPCB</b>
<b>Certified</b>	EN54-7:2000 +A1:2002 +A2:2006

<b>Smoke Detector</b>	
<b>Input Voltage</b>	24VDC [16V to 28V]
<b>Current Consumption</b>	Standby 0.6mA, Alarm: 4mA
<b>Protocol/Addressing</b>	Agni / Value ranges from 1 to 254
<b>Memory Retention</b>	Duration of 20 years
<b>Sensitivity</b>	As per stipulated standard
<b>Indicator</b>	Single LED / 360-degree Visual



Standard Base



<b>Physical</b>	
<b>Material / Color</b>	ABS / White Glossy finishing
<b>Dimension / Height</b>	Diameter 99.7 mm / 57 mm
<b>Weight</b>	145g (with Base), 90g (without Base)
<b>Operating Temperature</b>	-10°C to +50°C
<b>Humidity</b>	0 to 95% Relative Humidity, Noncondensing

## Ordering Information:

<b>FL-433/PD</b>	LPCB Approved. Intelligent Addressable Optical Smoke Detector, With Self-analysis and evaluation, automatic drift compensation, Remote Indicator Output, White color without base. Certified EN54-7:2000 + A1:2002 + A2:2006
<b>FL-433/SB</b>	Common Detector Base for all FL-series addressable detectors