![FYRLAAST by AGNi]

FL-433/PHD

Intelligent Addressable
Optical Smoke Heat Detector

EN54-29
1330j -(cI-7)

Features and Benefits

- EN54-29 Certified
- LPCB Approved
- Smoke and Heat Sensor
- 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
- 360-degree visual indicator
- Onsite Adjustable Parameter
- Removable chamber against dust and small insect
- Ancillary remote indicator output
- Aesthetically pleasing design

Overview

The FL-433/PHD Intelligent Analogue Addressable Optical Smoke & Heat Detector is the ideal device for most applications, due to its spiffing linear response to a wide variety of different types of smoke patterns and combining with heat sensing sensor for temperature response. The FL-433/PHD is manufactured based on the sensitivity requirement of EN 54 part 29, 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, smoke and heat patterns including rate of rise temperature, 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/PHD detector is compatible to the FL-4000 series of Analogue Intelligent Fire Alarm Control Panels.
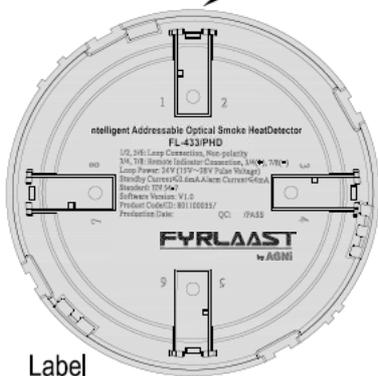
Technical Specification

Listed	LPCB
Certified	EN54-29:2015

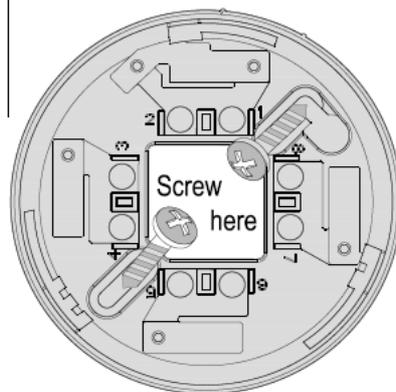| Multi Detector	
Input Voltage	24VDC [16V to 28V]
Current Consumption	Standby 0.6mA, Alarm: 4mA
Protocol/Addressing	Agni / Value ranges from 1 to 254
Memory Retention	Duration of 20 years
Smoke Sensitivity	As per stipulated standard
Heat Class Type	A2R
Indicator	Single LED / 360-degree Visual
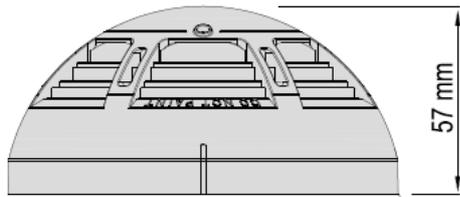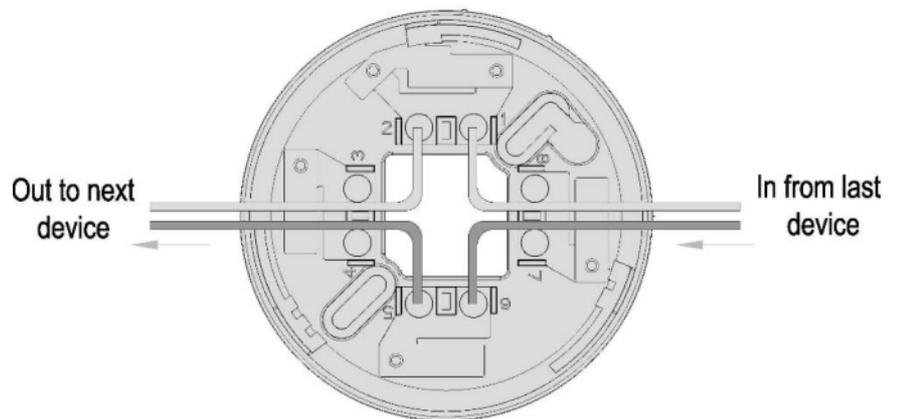
Physical	
Material / Color	ABS / White Glossy finishing
Dimension / Height	Diameter 99.7 mm / 57 mm
Weight	145g (with Base), 90g (without Base)
Operating Temperature	-10°C to +50°C
Humidity	0 to 95% Relative Humidity, Noncondensing

Ordering Information:

FL-433/PHD	Intelligent Addressable Combined Optical Smoke/Heat Detector, With Self-analysis and evaluation, automatic drift compensation, Remote Indicator Output, White color without base.
FL-433/SB	Common Detector Base for all FL-series addressable detectors