

Features and Benefits

- EN54-5 Compliance
- Using microprocessor technology with memory capacity up to 10 events
- Analogue sensor and digital addressing
- Provide real time algorithm to the control panel
- 360 degree visual indicator
- Onsite Adjustable Parameter
- Ancillary remote indicator output
- Aesthetically pleasing design



Overview

The LF-X5110 Intelligent Fixed and Rate of Rise Heat Detector is reliable for application in places where may have high dust level or smoky environments, making a normal smoke detector undesirable. The unit manufactured base on the sensitivity requirement of EN 54 part 5, European Standard. The unit is aesthetically pleasing with unobtrusive design that will complement modern building designs. The unit incorporates an intelligent processor that provides inbuilt A/D converter, and Self-Diagnosis and History log.

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, heat patterns including rate of rise temperature 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 LF-X5110 detector is compatible to the LF-X500 Analogue Intelligent Fire Alarm Control Panel, produced by single manufacture LIFECO, to avoid addressable communication compatibility problem.

Technical Specification

Listed	LPCB Certification
Compliance	EN 54-5:2017 + A1:2018
Input Voltage	24VDC [16V to 28V]
Current Consumption Standby	0.6mA, Alarm: 4mA
Protocol/Addressing	LIFECO, Value range from 1 to 254
Heat Class Type	A1R
Indicator	Single LED / 360 degree Visual
Material / Colour	ABS / White Glossy finishing
Dimension / Height	Diameter 99.7 mm / 57 mm
Weight	127g (with Base), 72g (without Base)
Operating Temperature	-10°C to +50°C
Humidity	0 to 95% Relative Humidity, Non condensing

Detector and Wiring Details

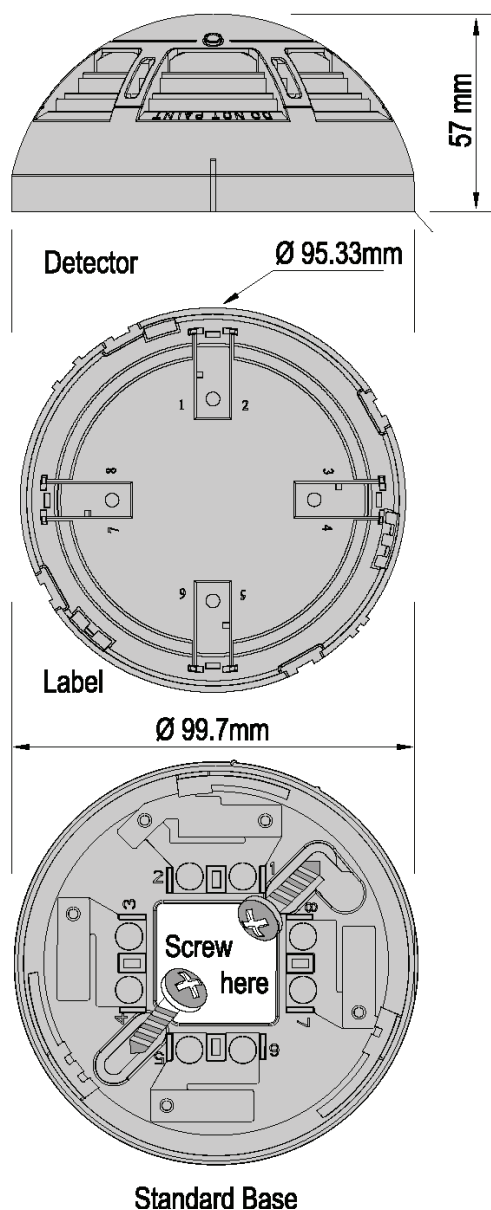


Figure 1

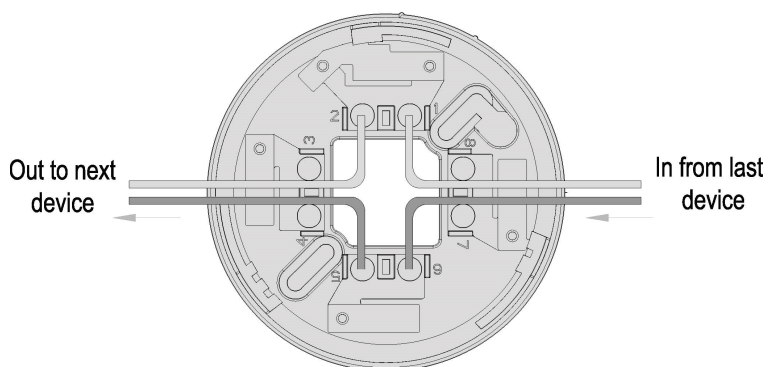


Figure 2

Terminal Description

1. Signal In (+)
2. Signal Out (+)
3. Remote Indicator (+)
4. Remote Indicator (+)
5. Signal In (-)
6. Signal Out (-)
7. Remote Indicator (-)
8. Remote Indicator (-)