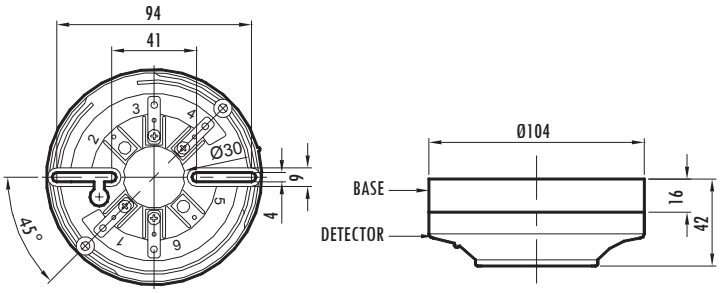
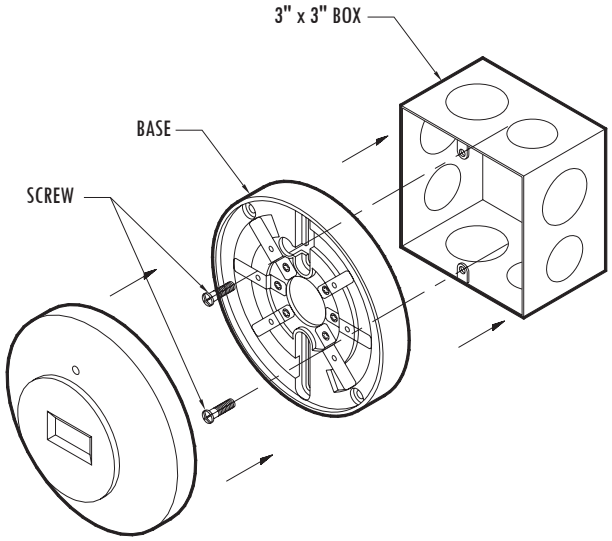
TECHNICAL DATA SHEET
for use by Architects & Engineers

Intelligent UV Flame Detector
Model No: LF-FD-6104

Dimension Details



Installation Details



Features
- Low Profile Design
- Sensitive Ultraviolet Sensor
- Equipped with CPU Central Processor
- LED Indicator
- Polarized Wiring
- ALARM FIRST! – Less than 1 second
- High Performance at Low Cost
- Dust, Corrosion and Humidity Resistant
- Twist Lock Base
- Use LF-DP-6190 for device addressing

Description
The LF-FD-6104 Intelligent UV Flame Detector has a wide angular sensitivity that can reliably and quickly detect the presence of a flame within its field of view by sensing the ultra violet radiation emitted.

The detector has been designed for internal use and is particularly suited for installations where flame can be expected to develop initially rather than smoke due to the nature of combustible materials such as film, video and computer tapes.

It also adopts pre-emptive alarm technology which organizes the data received from the detectors. The information with the highest priority would transfer first.

Other collected data shall be transmitted to the controller based on their priority status which ensures the rapid response of the system. Fire Alarm can be received in less than 1 second.

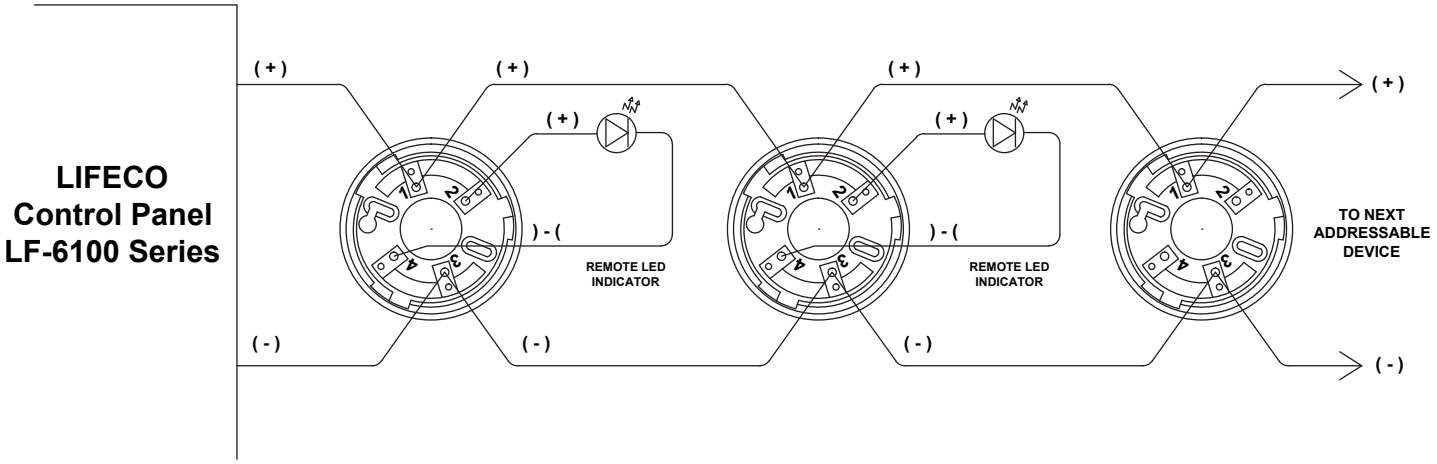
The detector's design widely applies to all kinds of industrial and commercial constructions with its high resistance to humidity, wide operating temperature range, high reliability and ease of installation and configuration.

Technical & Environmental Specification

Operating voltage	18~26V DC
Standby current	≤2.5max
Alarm current	≤2.8max
Operating temperature	-10°C~+50°C
Relative humidity	≤95% Non condensing
Detection angle	120°
LED indication	Pulsing – Standby Steady – Alarm
Dimensions	Ø104x42mm (w/ base)
Weight Approx	Approx 150g
Material	ABS Plastic
Color	Off-white

Wiring Details

There are four connecting terminals on each detector base. Terminal L1 and L3 utilized for loop wiring and terminal 2 and 4 is used to connect a Remote LED Indicator. The tip of the line conductor terminating at the detector base should either be used with terminal lugs or coated with tin for high conductivity and reliability of the system.



The detector circuit requires a twisted pair copper cable with a diameter of not less than 1.5mm². The total resistance of the conductor based on the loop length should not exceed 30Ω.