

TECHNICAL DATA SHEET

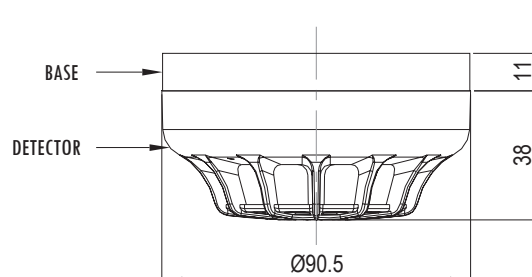
for use by Architects & Engineers

Intelligent Photo-Electric Smoke Detector

Model No: LF-PE-6201



Dimension Details



Features

- Low Profile Design
- Built-in CPU
- Specialized Smoke Chamber Design
- Auto Analysis
- Dynamic Automatic Compensation
- High Veracity of Fire Judgment
- ALARM FIRST! — Less than 1 second
- Data transfer Speed and Reliability
- 2-wire non polarity design
- High Performance at Low Cost
- Twist Lock Base
- Provision for Remote LED Indicator
- Use LF-DP-6190 for Device Coding

Description

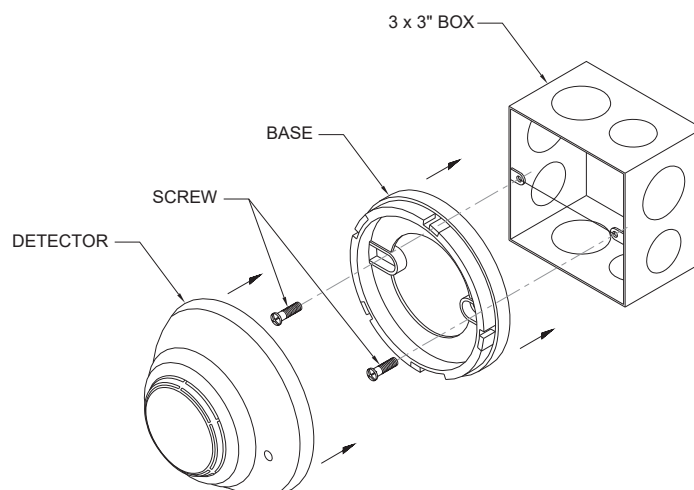
The LF-PE-6201 intelligent type photo-electric smoke detector utilizes the light scatter sensing principle. It has an infrared light source, which emits signals and photo-diode, which senses the scattering light with the effect of smoke entering the chamber. The chamber is of light proof labyrinth type protected with thin metals mesh for protection from dust, insects and other external interferences.

The LF-PE-6201 intelligent smoke detector is compatible with the LF-DP-6190 field programmer/tester. This programmer is compact & portable with menu driven accessories which makes programming and testing detectors faster, easier and more reliable than other methods.

The LF-PE-6201 is a plug-in, two wire detector, compatible with the LF-6200 Series Control Panel. Each detector consists of a dust resistant, field-cleanable photoelectric chamber and microprocessor based electronics with a low-profile plastic housing. Every detector is shipped with a protective dust cover.

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.

Installation Details



Technical & Environmental Specification

Operating voltage	18~26V DC
Standby current	≤350μA
Alarm current	≤1.5mA
Operating temperature	-10°C~+50°C
Relative humidity	≤95% Non condensing
Remote LED indicator	24V DC, 1mA
LED indicator (Red)	Pulsing — Standby Steady — Alarm
Dimensions	Ø91x45.5mm (w/base)
Weight Approx	100g
Material	ABS Plastic
Color	Off-White

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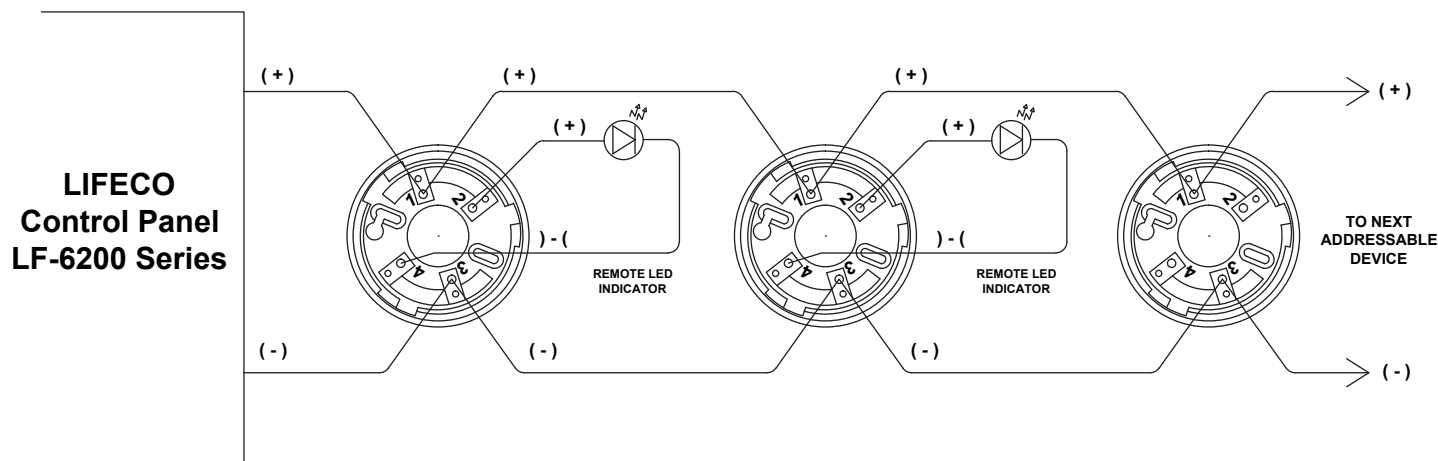
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Wiring Details

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.