



I-9101, I-9101R

Features:

1. Built in 8 bit microprocessor
2. Algorithm maps for false alarm rejection
3. Analogue sensing
4. Secure and speedy communication
5. Patented Linear Drift compensation
6. Self diagnosis and history log
7. Electronic addressing
8. Sensing chamber for exceptional dust rejection ability
9. Twin LED for 360° vision
10. Low profile design
11. Ideal alternative to Ionization detectors

Technical Specifications

- Standard: EN54-part 5, part 6 and part 7
- Protection rating: IP 32
- Operating voltage: 24Vdc Loop voltage
- Operating Current:
 - Standby current 0.6mA
 - Alarm Current 2mA
- Operating temperature:
 - 10°C to +50°C
- Relative humidity: 95%
- Application: Indoor use
- Detecting range: 30 m² for normal area; and 20 m² for high risk
- Programmable sensitivity: 3 level
- Visual Indicator: twin LED, Red (lit steady when alarm, 3 sec interval blinking at normal state)
- Material and color: ABS, off-white
- Wiring: 1 pair non polarized
- Dimensions: diameter 10cm; height 5cm

Description:

Combining all the features of the I-9102 Optical and the I-9103 Dual Heat Detectors the unit provides an ideal solution for life and safety systems. Ideally suitable for application in data processing areas including telephone exchange, conference rooms, indoor markets or shops, dining area, factory, recording studio and libraries etc.

Aesthetically pleasing low profile design and easy to install in a modern building interior. The unit incorporates an intelligent processor that provides Algorithm map, Built-in A/D conversion, Drift compensation, Self Diagnosis and history log.

The integral microprocessor analyses the signal according to factors such as signal strength and rate of increase, then conforms to the pre-programmed fire pattern and strategy for faster detection accuracy. By intelligent analysis, the smoke detection sensitivity will be automatically adjusted according to temperature change.

Secure and speedy communication by the on board processor enables the detector make to its own decision resulting in a faster and more accurate response

The drift compensation, the sensing element monitors for the long term changes cause by aging, humidity, temperature, dust, etc. constantly monitoring and self adjusting, the I-9101 updates the sensitivity base line for its sensing element. Even when the detector raises a warning that it requires cleaning, the sensitivity remains the same as the day it was installed.

Electronic addressing can be done through Handhold Programming device (P-9910), purchased separately.