Conventional
Optical Smoke
Detector

C-9102

LPCB
548d(cl-5)

CE
0832-CPD-0524

Description

With the technique of scattering, the detector's reliability, stability and consistency are improved. The special chamber design ensures the insert-defend, dirt-defend and anti-light disturbance.

The conventional type can be used directly with our conventional fire alarm panels. Using an interface (I-9319), it can be connected to our intelligent panels.

Features and Benefits

1. Listed to LPCB
2. Sensing chamber for exceptional dust proof ability
3. Built-in Remote Indicator Output
4. Twin LED for 360° vision
5. Low profile design

Selection of Compatible Control Panel

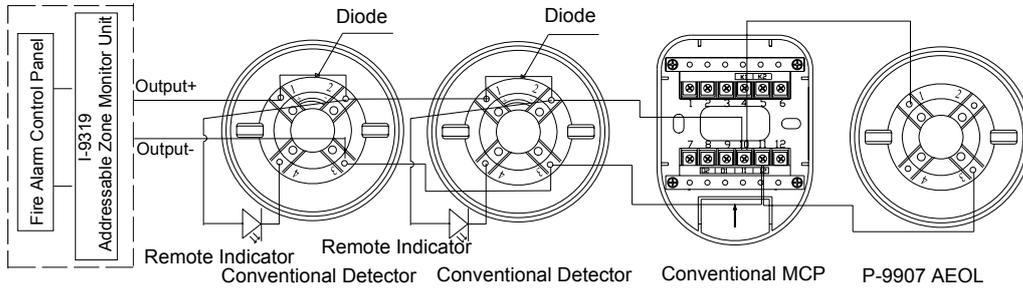Compatible with all GST Conventional panel and GST Intelligent Fire Alarm Panels

Technical Specifications

- Standard: EN54:7
- Approval: LPCB, CE-CPD
- Operating Voltage: 24VDC (12VDC~28VDC)
- Standby Current: ≤60µA
- Alarm Current: 10mA≤ I ≤30mA
- Indicators: Red. Quiet in normal condition. Illuminates steadily in alarm.
- Remote Indicator Output: Directly connecting with LED (built-in 2kΩ resistor in series). Quiet in normal condition. Illuminates steadily in alarm.
- Maximum Ripple Voltage: 4V (peak-to-peak)
- Alarm Clear: Instantaneous Power-off (5s Max., 2.5VDC Max.)
- Power-up Time: ≤10s
- Max. Wind Speed: 7.6m/s (1500fpm)
- Wiring: Polarized 2-core for detection zone Cable.
- Ambient temperature: -10℃～+50℃
- Relative Humidity: ≤95%, non condensing
- Ingress Protection Rate: IP23
- Material and Color of Enclosure: ABS, white (RAL 9016)
- Dimensions: Diameter: 100mm
  Height: 56mm (with base)
- Mounting Hole Distance: 45mm～75mm
- Weight: About 120g

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D A T A   S H E E T
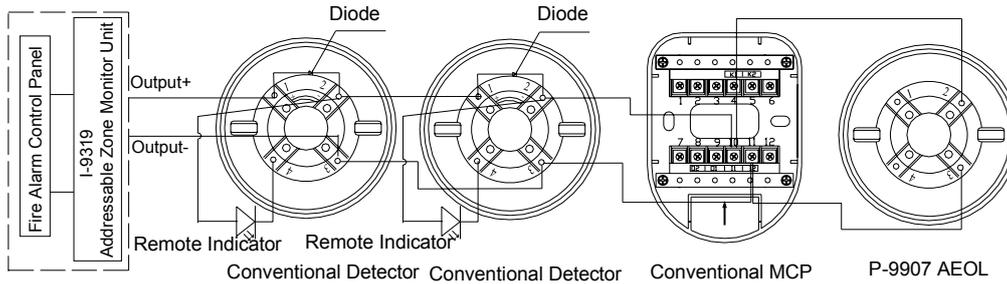Note: Specifications are subject to change without notice.

Wiring and Connection

1.When the detector is connected with conventional fire alarm control panel or I-9319 addressable zone monitor unit in series, if a P-9907 AEOL is connected to the end of output loop, a 1N5819 Diode should be connected to the detector base.
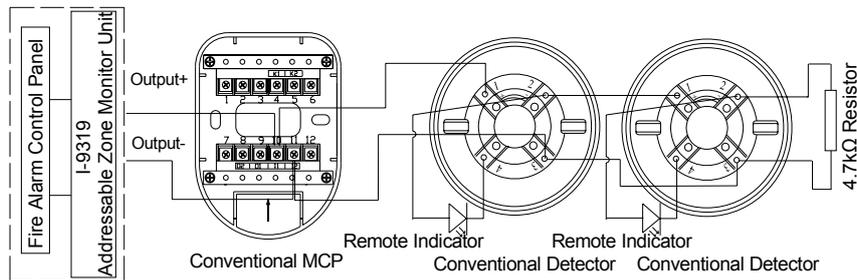Used as the detector base, the AEOL is to install a conventional detector on it. The system connection is shown below:

When the AEOL is not used as the detector base, a cover should be added, the system connection is shown below:

2. When the detector is connected with conventional fire alarm control panel (those within the dotted line are equivalent to a conventional fire alarm control panel) or I-9319 Addressable zone monitor unit in series, if an end of line resistor is connected to the end of output loop, then no diode is connected to the detector base. The system connection is shown below:

Maximum 15 detectors can be connected in one zone. Cooperating with end of line device, the compatible panel can monitor the cable for open circuit and short circuit. Panel will report if any detector is removed. With the AEOL, the functioning of other device will not be affected by the detector removal.

Accessories

Part Number: DZ-03
Description: Detector Base - EOLR
Weight / Kg.: 0.05
Pack Qty. per Box: 300

Part Number: DZ-03D
Description: Base with Diode AOL
Weight / Kg.: 0.05
Pack Qty. per Box: 300

Ordering Information

Part Number:C-9102
Description: Conventional Optical Smoke Detector
Weight / Kg.: 0.123
Pack Qty. per Box: 100

MANUFACTURED IN ACCORDANCE WITH

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