

DC-9102E Conventional Photoelectric Smoke Detector





Description

DC-9102E is Conventional Photoelectric Smoke Detector. can build up fire alarm system together with fire alarm panel and other alarm devices. The detector is suitable for hotel, restaurant, office building, school, bank, warehouse, library, computer room, switch room, and etc.

Features and Benefits

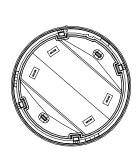
- Drift compensation enables strong environmental adaptability
- Strong environmental adaptability due to drift compensation
- Self-diagnostic
- Reed switch test
- Dirty chamber checking
- Fire LED allows 360° viewing
- Possible to switch off polling LED
- Remote indicator output
- Removable innovative sensing chamber, easy for maintenance
- 2 levels sensitivities programmable (Level 1 certified)
- LPCB approved at EN 54-7

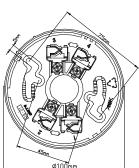
Certificates and Compliance

Standards: EN54-7 Certifications: LPCB

Terminals and Installation Holes

Below figures show the detector bottom and terminals of the base.





There are four terminals with marks on the base.

- 1: Positive IN
- 2: Positive OUT
- 3: Negative IN and OUT
- 2: Positive terminal of remote indicator
- 4: Negative terminal of remote indicator

The base is suitable to be installed onto standard European embedded back box, with hole-distance 45mm to 75mm.

Recommended Cabling

1.0mm² or above fire cable is recommended, but subject to local codes.

IMPORTANT: This publication is a generic version in which product information is shown for informational purposes only and does not constitute a specific commitment or guarantee. We are constantly pursuing the improvement of product technology to improve product performance, for which we reserve the right to adjust the configuration and technical information of the related products without notice. In addition, the description of system performance in this publication applies only to the usual situation. As a result, there may be a variety of unpredictable special circumstances in the real world, so the realization of the relevant product performance will depend on the professional investigation and analysis and the design plan. Please contact us and we will be happy to provide you with professional advice.



Application

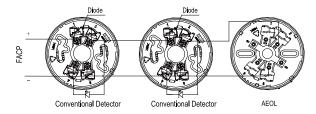
Detection sensitivities and LED status can be set through P-9910B programmer. Below table shows relative codes for sensitivity levels and working modes. Factory defaults at Level 1, LED on.

Sensitivity Codes

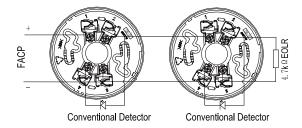
Parameter	Smoke Sensitivity	Polling LED Status
1	1	ON
2	2	ON
129	1	OFF
130	2	OFF

Detection sensitivities and LED status can be set through P-9910B programmer. Below table shows relative codes for sensitivity levels and working modes. Factory defaults at Level 1, LED on.

The typical connection of Active End of Line. The Active End of Line Unit is not used as the detector base, a cover should be added to it.



The typical connection of End of Line Resistor



Order Information

Part No.	DC-9102E
Device Name	Conventional Photoelectric Smoke Detector
Product No.	10106286
Compatible Products	GST102A~GST116A Conventional Panels DI-9319E Zone Monitor Module

Technical Specification

Operating Voltage	24VDC (16VDC - 28VDC)	
Standby Current	≤ 60µA	
Alarm Current	≤ 55mA	
LED Indicator	Red, periodically flash once in polling when the status is set to "ON"; don't illuminate when the status is set to "OFF". Periodically flash twice in fault or sensing chamber dirty; illuminate in alarming.	
Wiring	Polarized 2-core for Zone. Polarized 2-core for remote indicator.	
Alarm Reset	Instantaneous power down (Min. 2sn, Max. 1.0VDC)	
Sensitivity Level	Level 1 (default) & Level 2.	
Area coverage	Ceiling in open areas 80m² (subject to local standard)	
Environment Temperature	-10°C ~ 50°C	
Relative Humidity	≤95%, non-condensing	
Material of Enclosure	ABS	
Ingress Protection Rating	IP2X	
Dimensions	Diameter: 100mm Height: 54.5mm (with base)	
Mounting Hole Distance	45mm ~ 75mm	
Weight	About 110g	

Accessories and Tools



Part No.: DB-01

Device name: Standard Base Product No.: 30205764



Part No.: DB-01D Device name: Diode Base

Product No.: 20101432



Part No.: C-9314P
Device name: Remote Indicator

Product No.: 10102339

Part No.: DP-9907

Device name: Active End of Line Product No.: 10103044

Part No.: P-9910B

Device name: Handheld Programmer

Product No.: 10104894

IMPORTANT: This publication is a generic version in which product information is shown for informational purposes only and does not constitute a specific commitment or guarantee. We are constantly pursuing the improvement of product technology to improve product performance, for which we reserve the right to adjust the configuration and technical information of the related products without notice. In addition, the description of system performance in this publication applies only to the usual situation. As a result, there may be a variety of unpredictable special circumstances in the real world, so the realization of the relevant product performance will depend on the professional investigation and analysis and the design plan. Please contact us and we will be happy to provide you with professional advice.

DS10106286