

FSP-951G-E

Photoelectric Smoke Detector

General

As the first intelligent optical smoke detector launched by NOTIFIER[®] that meets both the UL268 7th edition and the upcoming GB4715 standards, the FSP-951G-E has outstanding performance in terms of detection, reliability, anti-interference, output functions, flame retardancy, and exterior design. The FSP-951G-E features a brand new modern and stylish design as well as an enhanced Dual-Angle[™] optical detection technology that meets users' increasing demands. It can sense a wider range of combustion sources and their smoke, with higher resistance to false alarms from cooking smoke and vapor.

The FSP-951G-E intelligent optical smoke detector supports CLIP communication protocol, protocols to be used with Notifier NX30 panels. This product uses encoded technology and is encoded on-site using the CP500 encoder. It also has a magnetic mimic alarm function and is compatible with various accessories such as sounder bases, isolator bases, waterproof bases, and remote lights to meet different user application requirements.

The FSP-951G-E series is suitable for places with large people flow, valuable property or particularly important operational continuity, such as airports, subways, data centers, and high-tech factories. It also suits indoor spaces with higher requirements for the aesthetics of internal devices, such as hotels and apartments.

Features

SLC Loop Characteristics

- › Wired through the installation base
- › Supports CLIP protocols
- › Stable communication technology with reliable noise immunity

Addressing Characteristics

- › Support electronic coding, compatible with CP500 encoder (please refer to the device capacity in the NOTIFIER[®] NX30 Control panel manual)

Functional Characteristics

- › Streamlined, subtle, stylish exterior design
- › Unique Dual-Angle[™] dual-angle light source detection technology
- › Integrated communication and built-in device type identification
- › Built-in function test switch activated by external magnet
- › Support remote testing function of the controller
- › Removable cover and insect guard for easy on-site cleaning and maintenance
- › 360-degree visible alarm LED indicator

Operational Characteristics

- › When the device is queried by the control panel, the LED indicator will "flash" and will be in a locked state during fire alarm
- › Low standby current consumption

Structural Characteristics

- › Sealed design to prevent back pressure effects
- › SEMS screws for independent base wiring
- › Independent bases support interchangeability of smoke and heat detectors

Structural Materials

- › Housing made of UL94 V0 rated flame retardant plastic

Optional Items

- › Optional isolator bases, sounder bases, waterproof bases and synchronous indicator lights

Installation and Wiring

- › The FSP-951G-E series intelligent optical smoke detectors use removable bases to simplify installation, maintenance and repair

Note: Please refer to the product manual for specific installation and wiring instructions.



Specifications

Mode	FSP-951G-E
Sensitivity	UL specified: 0.5% ~4.0%/ft obs
Dimension	Diameter: 102mm Height: 51mm with B501 base or 43mm without B501 base
Weight	131g with B501 base 94.6g without B501 base
Operating temperature	0 ~ 50°C (UL) -10 ~ 55 °C (CCC)
Operation Humidity	10% ~ 93%RH (non-condensing)(UL) 5% ~ 95%RH (non-condensing)
Voltage Range	15 ~ 32V DC
Standby Current	260µA @24V DC (tested every 5 sec and flashes red LED)
Max Alarm Current	2.5mA @24V DC (tested every 5 sec and red LED always on)
Applicable Standards	GB4715 UL268 7 th FM3230

Ordering Table

Order Model	Description	Certification	Country of Origin
FSP-951G-E	Intelligent optical smoke detector - EN	UL/FM (UL268 7 th)	China
B501-CH-EN	B501 base	UL/FM	China
B501BI	Isolator base	UL	China
B500BH-3	Sounder base, power circuit		China
B501BH-3-IV-ISO	sounder base, loop power, built-in isolator, ivory	UL	China
B501BH-3-S	Sounder base, power circuit, built-in isolator	UL	China
B501-WP	Waterproof base		China
RA100Z	Detector synchronous indicator light	UL	Mexico
CP500	Address encoder		China



Honeywell

This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

©2023 NOTIFIER by Honeywell. All rights reserved.
Unauthorized use of this document is strictly prohibited.
NF_DS_EN22004 | Rev 01 | 04/2024

