DI-9101E

Intelligent combination heat photoelectric smoke detector

Description

DI-9101E intelligent combination heat photoelectric smoke detector integrates photoelectric detection and fixed temperature and rate of rise detection technology by combining smoke sensor and semi-conductor heat sensor in mechanism and circuitry structure. Just because of the combination of smoke detection and heat detection, it not only overcomes the disadvantage that detectors using common infrared scattering technology are insensitive to black smoke with small particles, but also can pick up fire with obvious rise of temperature such as alcohol flame, thus extending its application range.

Features

- Strong environmental adaptability due to drift compensation
- Self-diagnostic
- Reed switch testing
- Removable innovative sensing chamber, easy for maintenance
- Dirty chamber checking
- Fire LED allows 360°viewing
- Remote indicator output available
- Polling LED can be set to close
- 2 levels smoke sensitivities programmable, level 1 complies with EN 54-7. Heat part complies with EN 54-5

Specifications

	DI-9101E
Operating voltage	Loop 24V(16V – 28V)
Standby current	≤0.8mA
Alarm current	≤1.8mA (without remote indicator) • ≤ 3.8mA (with remote indicator)
Fire LED	Red. flashes in polling, and illuminates in alarm
Remote indicator output	Polarized output. Directly connect to remote indicator (built in 10k resistor in series, output current is 2mA); flash in alarming and do not illuminate in normal
Programming method	Electronically programming
Code range	One address within 1 – 242
Wiring	Non-polarized 2-core for loop. Polarized 2-core for remote indicator
Setting of sensitivity and range	The sensitivity can be set by programmer with two levels: level 1(default), level 2.
Detector class	A2R
Action temperature	62°C
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

	DI-9101E	
Model	P-9910B	DB-01
Name	Hand held programmer	Base
Remark	Order separately	Order separately