Smoke and Multi-detector



SD119 Series

Product Features:

- 2 or 4 wire models
- Advanced detection and discrimination algorithms
- Easy installation and maintenance
- Sleek low-profile housing design
- Durable sensor head, no need for replacement
- SMD circuit board design-satisfactory quality and reliability guaranteed
- Integrated heat detector for SD 119-2H and SD 119-4H models
- N/C (normal/close)-N/O (normal/open)selectable relay output
- AR (Auto Reset) function for security systems (optional for 4 wire models) Sensor base option: standard and Shottky Diode
- Five-year limited warranty

The range includes:

SD-119-2	2 wire photoelectric smoke alarm
SD-119-2L	2 wire photoelectric smoke alarm with remote LED output
SD-119-2H	2 wire photoelectric smoke and heat alarm
SD-119-2HL	2 wire photoelectric smoke and heat alarm with remote LED output
SD-119-4-12/24	4 wire photoelectric smoke alarm (12/24VDC)
SD-119-4B-12/24	4 wire photoelectric smoke alarm with Buzzer (12V/24DC)
SD-119-4AR-12/24	4 wire photoelectric smoke alarm with auto-reset function (12/24VDC)
SD-119-4ARB-12/24	4 wire photoelectric smoke alarm with auto-reset function and Buzzer (12/24VDC)
SD-119-4H-12/24	4 wire photoelectric smoke and heat alarm (12V/24DC)
SD-119-4HB-12/24	4 wire photoelectric smoke and heat alarm with Buzzer (12/24VDC)
SD-119-4HAR-12/24	4 wire photoelectric smoke and heat alarm with auto-reset function (12/24VDC)
SD-119-4HARB-12/24	4 wire photoelectric smoke and heat alarm with auto-reset function with Buzzer (12/24VDC)

Model	2/4 wire	Heat Sensor Setting	Voltage DC (Min./Max.)	Standby Current (Max.)	Alarm Current (12/24V)	Surge Current (Max.)	Start-Up Time (Max.)	Permissible Current (Max.)	Cycle Time	Alarm contact	Certified	Base Model No.
SD119-2	2		10.8~33V	80μA	22/55mA	160μA	30 Sec.	80mA	1-3 Sec.	—	UL/EN	P/N852001
SD119-2L	2		10.8~33V	80μA	22/55mA	160μA	30 Sec.	80mA	1-3 Sec.	Remote LED	UL/EN	P/N852001
SD119-2H	2	135±5°F	10.8~33V	80μA	22/55mA	160μA	30 Sec.	80mA	1-3 Sec.	—	UL/EN	P/N852001
SD119-2HL	2	135±5°F	10.8~33V	80μA	22/55mA	160μA	30 Sec.	80mA	1-3 Sec.	Remote LED	UL/EN	P/N852001
SD119-4-12/24	4		12/24V	80μA	30/45mA	-	30 Sec.	-	1-3 Sec.	Form A	UL/EN	P/N852001
SD119-4H-12/24	4	135±5°F	12/24V	80μA	30/45mA	-	30 Sec.	-	1-3 Sec.	Form A	UL/EN	P/N852001
SD119-4AR-12/24	4		12/24V	100μA	30/50mA	-	30 Sec.	-	1-3 Sec.	Form A Auto Reset	CE	P/N852001
SD119-4ARB-12/24	4		12/24V	100μA	30/50mA	-	30 Sec.	-	1-3 Sec.	Form A Auto Reset	CE	P/N852001
SD119-4B-12/24	4		12/24V	80μA	30/45mA	-	30 Sec.	-	1-3 Sec.	Form A	CE	P/N852001
SD119-4HB-12/24	4	135±5°F	12/24V	80μA	30/45mA	-	30 Sec.	-	1-3 Sec.	Form A	CE	P/N852001
SD119-4HARB-12/24	4	135±5°F	12/24V	100μA	30/50mA	-	30 Sec.	-	1-3 Sec.	Form A Auto Reset	CE	P/N852001

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Specification:

Smoke Sensitivity	0.98--2.40%/FT Obscuration (UL) ; 0.08--0.14 dB/m (EN)
Ceiling Spacing	50 foot rating for heat sensor
Temperature Range	-10°C to 50°C
Humidity	0 to 95% RH, no condensation or icing
Dimensions	100mm (dia.) x 46mm (ht) with base
Weight	130g/set with base