# Smoke and Multi-detector



## SD119 Series

EN54-5
EN54-7

### 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:

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|---|---|
| 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 |

### Specification:

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|---|---|
| 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 |