

Conventional Photoelectric Smoke and Heat Alarm

All of the **Sentek's** SD119-G series detectors meet the requirements of UL 268 and EN 54-7/5 for use in fire alarm signaling systems. They are intended for use in 2-wire/4-wire Class A or B supervised zone circuits. The SD119 series detectors are subject to panel compatibility limits and compliance with corresponding NFPA 72E standards, local codes, and ordinances.

The **SD119-G** series include 2-wire and 4-wire detectors, which provide fast and reliable response for photoelectric smoke and heat (135°F) detection. While the smoke and heat detection circuits operate independently, their outputs being 'OR' connected, The **Sentek's** SD119-G series detectors provide the fire detection performance by acting as a smoke sensor and/or a 135°F heat detector at the same location.

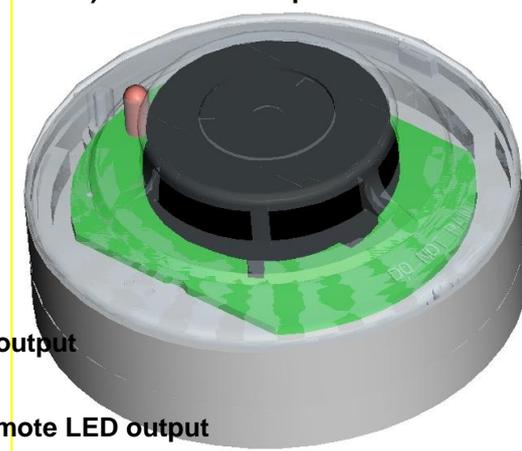
Product Features:

- 2 or 4 wire models
- Wide voltage range, and stable output
- 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 SD119-2H and SD119-4H 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 Schottky Diode
- Five-year limited warranty



The range includes:

SD119-G- 2	2 wire photoelectric smoke detector
SD119-G- 2- LED	2 wire photoelectric smoke detector with remote LED output
SD119-G- 2H	2 wire photoelectric smoke and heat detector
SD119-G- 2H- LED	2 wire photoelectric smoke and heat detector with remote LED output
SD119-G- 4	4 wire photoelectric smoke detector
SD119-G- 4B	4 wire photoelectric smoke detector with Buzzer
SD119-G- 4AR	4 wire photoelectric smoke detector with auto-reset function
SD119-G- 4ARB	4 wire photoelectric smoke detector with auto-reset function and Buzzer
SD119-G- 4H	4 wire photoelectric smoke and heat detector
SD119-G- 4HB	4 wire photoelectric smoke and heat detector with Buzzer
SD119-G- 4HAR	4 wire photoelectric smoke and heat detector with auto-reset function



Product Specification:

Model	2/4 wire	Thermal	Voltage DC	Standby Current (Max.)	Alarm Current (Min./Max.)	Surge Current (Max.)	Star-Up Time (Max.)	Supervision Time (Max.)	Alarm contact	Base model
SD119-G-2	2		10~36V	65µA	30~40mA	150µA	20S	3 Seconds	—	P/N852001
SD119-G -2L	2		10~36V	65µA	30~40mA	150µA	20S	3 Seconds	—	P/N854001
SD119-G -2H	2	57°C	10~36V	65µA	30~40mA	150µA	20S	3 Seconds	—	P/N852001
SD119-G -2HL	2	57°C	10~36V	65µA	30~40mA	150µA	20S	3 Seconds	—	P/N854001
SD119-G -4	4		10~60V	65µA	25mA	150µA	20S	3 Seconds	Form A	P/N854001
SD119-G -4H	4	57°C	10~60V	65µA	25mA	150µA	20S	3 Seconds	Form A	P/N854001
SD119-G -4AR	4		10~60V	65µA	25mA	150µA	20S	3 Seconds	Form A/Auto Reset	P/N854001
SD119-G -4HAR	4	57°C	10~60V	65µA	25mA	150µA	20S	3 Seconds	Form A/Auto Reset	P/N854001
SD119-G -4B	4		10~60V	65µA	30mA	150µA	20S	3 Seconds	Form A	P/N854001
SD119-G -4BAR	4		10~60V	65µA	30mA	150µA	20S	3 Seconds	Form A/Auto Reset	P/N854001
SD119-G -4HB	4	57°C	10~60V	65µA	30mA	150µA	20S	3 Seconds	Form A	P/N854001
SD119-G -4HARB	4	57°C	10~60V	65µA	30mA	150µA	20S	3 Seconds	Form A/Auto Reset	P/N854001

Remark: L- remote indicator output; H-Heat sensor; AR-Auto Reset; B-Sound

M-magnet test switch function available on special request.

Product Character:

Smoke Sensitivity:	0.08~0.30db/m(EN standard) or 0.98~4.0%/FT Obscuration (UL standard)
Ceiling Spacing:	50 foot rating for heat sensor
Reset Voltage:	less than 5 volt
Reset Time:	less than 1 second
Alarm Indicator:	LED continuously emitting red light
Remote Output:	3.0~3.7VDC when in series a LED & 100 Ω resistor
Operating Temperature:	-20°C to 80°C
Storage Temperature:	-30°C to 80°C
Humidity:	0 to 95% RH, no condensation or icing
Alarm Contact:	(for 4-wire) NO or NC Operation, Form A: 1.0A@30VDC/0.5A@125VAC
Dimensions:	100mm (dia.) x 46mm (ht.) with base
Weight:	130g/set with base

