

S

FIRE

Fire & Security **DETECTORS**



Technical Specification:

Smoke Sensitivity	0.98 ~ 2.40%/ft Obscuration
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.) x46mm (ht) with base
Weight	130g/set with base

SF119 Series

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
SF119-2L	2		10.8~33V	80µA	22/55mA	160µA	30 sec	80mA	1-3 sec.	Remote LE
SF119.2H	2	135±5°F	10.8~33V	80µA	22/55mA	160µA	30 sec.	80mA	1-3 sec.	-
SF119-2HL	2	135±5°F	10.8~33V	80µA	22/55mA	160µA	30 sec.	80mA	1-3 sec.	Remote LED
SF119-4-12/24	4		12/24V	80µA	30/45mA	-	30 sec.	-	1-3 sec.	Form A
SF119-4H-12/24	4	135±5°F	12/24V	80µA	30/45mA	-	30 sec.	-	1-3 sec.	Form A

The range includes:

SF-119-2L	2 wire photoelectric smoke alarm with remote LED output
SF-119-2H	2 wire photoelectric smoke and heat alarm
SF-119-2HL	2 wire photoelectric smoke alarm with remote LED output
SF-119-4-12/24	4 wire photoelectric smoke alarm (12/24VDC)
SF-119-4ARB-12/24	4 wire photoelectric smoke alarm with auto-reset function and Buzzer (12/24VDC)
SF-119-4H-12/24	4 wire photoelectric smoke and heat alarm with Buzzer (12/24VDC)



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 SF 119-2H and SF 119-4H models.
- One-year limited warranty.

Technical Specification:

Response Temperature:	Fixed temperature:57°C (135°F) or Rate-of-Rise
Ceiling Spacing:	40-50 foot rating for heat sensor
Reset Voltage:	less than 1 volt
Alarm Indicator:	LED continuously emitting red light
Remote Output:	25mA max., diode gate
Temperature Range:	-10°C to 50°C
Permissible Current:	80mA maximum
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

SF912 Series

Model	2/4 wire	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
SF912-2	2	10~33V	45µA	50mA	100µA	30 sec	80mA	1-3 sec.	-
SF912-2L	2	10~33V	45µA	50mA	100µA	30 sec.	80mA	1-3 sec.	-
SF912-4-12/24	4	12/24V	45µA	30mA	100µA	30 sec.	-	1-3 sec.	Form A

The range includes:

SF-912-2	2 wire heat alarm
SF-912-2L	2 wire heat alarm with remote LED output
SF-912-4	4 wire heat alarm (12/24VDC)

Conventional Heat Detector

All of the S FIRE's SF912 series detectors provide fast and reliable response for heat 57°C (135°F) or Rate-of-Rise detection. They are intended for use in 2-wire/4-wire Class A2 supervised zone circuits. The SF912 series detectors are subject to panel compatibility limits and compliance with corresponding NFPA 72E standards, locals codes and ordinances.

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.



Technical Specification:

Unit Dimensions:	98mm (Diameter) x 47mm (Height)
Operating Temperature:	-10°C to 50°C
Ambient Humidity:	5%~95% RH
Alarm Horn:	>75dB with Auto-reset at 3m (10 feet)
Relay Rating (if available):	NO or NC operation, Rating: 1.0A@30VDC/0.5A@125VAC (resistive load)
Power Consumption:	2W
Time to Alarm:	70ppm within 75 minutes; 150ppm within 35 minutes; 400ppm within 10 minutes. Notice: the sensitivity can be calibrated.
Weight:	170g with base.

SF530 Series

Model	Gas Monitored	2/4 wire	Operating Voltage	Output	Standby Current 12V /24V	Alarm Current 12V / 24V
SF530R	Carbon Monoxide	4	12/24VDC	Relay	85mA / 50mA	80mA / 50mA

Carbon Monoxide Detector:

SF530 series alarms is single and multiple station carbon monoxide alarms, indented for protection in ordinary indoor locations of dwelling units, including recreational vehicles, mobile homes and recreational boats with enclosed accommodation spaces and cockpit areas. SF530 with relay intended for monitoring the enviroment and intended for open area protection and for connection to a compatible power or control unit for operation as part of CO detection or emergency signaling system, or intended fo control of ventilation or shut off devices such as fans or control valves. The unit is designed for DC wire-in application, the gas alarm can be mounted on ceiling or wall.



Product Features:

- To detect CO gas (Carbon Monoxide).
- Sensitivity can be calibrated.
- Figaro semiconductor sensor heads.
- Advanced detection and discrimination algorithms.
- Easy installation and maintenance.
- Sleek low-profile housing design.
- SMD circuit board design.
- Magnet test feature.
- Sounding aloud alarm signal of exceeding 85dB in alarm mode.
- Five-year limited warranty.

Technical Specification:

Operating Temperature:	-10°C to 50°C
Ambient Humidity:	30%~95% RH
Alarm Horn:	>75dB with Auto-reset at 3m (10 feet)
Power Consumption:	2W
Min Gas Level for Alarming:	Less than 10% LEL
Relay Rating (if available):	NO or NC operation, Rating: 1.0A@30VDC/0.5A@125VAC (resistive load)
Dimensions:	98mm (Diameter) x 43mm (Height)
Weight:	170g with base

SF518 Series

Model	Gas Monitored	2/4 wire	Operating Voltage	Output	Standby Current 12V /24V	Alarm Current 12V / 24V
SF518-NR	Liquefied Gas	4	12~24VDC	Relay	90mA / 56mA	80mA / 50mA

Gas Detectors:

SF518 series detectors is effective for detecting any buildup of natural gas and liquefied gas. The detector ideal for use in home, small commercial properties and recreational vehicles, the detector with relay intended for monitoring the environment and intended for open area protection and for connection to a compatible power control unit for operation as part of gas detection or emergency signaling system, or intended for control of ventilation or shut off devices such as fmas or control valves. The unit is designed for DC wire-in application. The gas alarm can be mounted in high (for methane gas) or low (for LPG gas) location.

Product Features:

- To detect combustible gas (NG, LPG).
- Sensitivity can be calibrated.
- Figaro semiconductor sensor heads.
- Loud 75dB sound signal at alarm mode.
- Advanced detection and discrimination algorithms.
- Easy installation and maintenance.
- Sleek low-profile housing design.
- SMD circuit board design.
- Magnet test featur.
- Five-year limited warranty.





S FIRE