



Features

- Two and four wire models
- Photoelectric smoke sensing technology
- Uses smoke sensor in conjunction with a fixed temperature heat sensor to extend reliability
- Durable sensor head, no need for replacement
- Remote LED output on select 2-wire models
- N/C (normal close) or N/O (normal open) selectable relay output
- Easy installation and maintenance
- Attractive sleek housing
- UL listed

Description

The SD Series photoelectric smoke detectors are engineered to meet strict UL fire safety codes and effectively respond to a wide spectrum of fires. The SD Series smoke detectors are suitable for use in commercial, industrial, institutional and residential occupancies. The sleek low-profile design of the detectors emphasizes ease of installation and field maintenance.

The SD Series consists of four models:

SW-2WP-LED / SD-2WT-LED

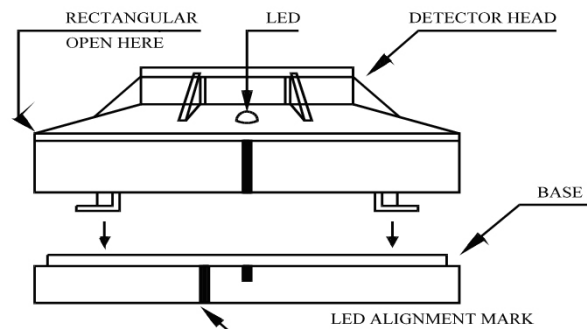
The SD-2WP-LED is a two-wire photoelectric smoke detector for use with electrically compatible fire alarm control units. The SD-2WT-LED is a two-wire smoke detector that uses photoelectric technology in conjunction with a fixed temperature heat sensor to further extend its sensing capabilities. SD-2WP-LED and SD-2WT-LED are available with a remote LED output.

SD-4WP / SD-4WT

The SD-4WP is a four-wire photoelectric smoke detector. The SD-4WT is a four-wire photoelectric smoke detector with a fixed temperature heat sensor.

All SD Series smoke detectors come equipped with a sleek low-profile design and durable sensor head. Utilizing advanced detection and discrimination algorithms, the SD Series smoke detectors provide quality and reliability.

Installation Diagram



Electrical Specifications

Model	2/4 wire	Heat Sensor	Voltage DC	Standby Current (Max.)	Alarm Current (Max.)	Surge Current (Max.)	Star-Up Time (Max.)	Permissible Current (Max.)	Frequency	Alarm contact
SD-4WT	4	135°F	12/24V	370µA	35mA		60 Seconds	80mA	3-5 Seconds	Form A
SD-4WP	4		12/24V	370µA	35mA		60 Seconds	80mA	3-5 Seconds	Form A
SD-2WT-LED	2	135°F	12~28V	150µA	70mA	160µA	60 Seconds	80mA	3-5 Seconds	—
SD-2WP-LED	2		12~28V	150µA	70mA	160µA	60 Seconds	80mA	3-5 Seconds	—

Smoke Sensitivity	2.66+/- 1.11% FT Obscuration (UL standard)
Detection Range	50 foot rating for heat sensor
Start-Up Current	70 µA Maximum
Alarm Impedance	For 2-wire models: 100Ω+3V max; 560Ω+3V max (red LED open circuit)
Reset Voltage	Less than 1 volt
Reset Time	Less than 1 sec
Alarm Indicator	Continuously emitting red light
Temperature range	-10°C to 50°C
Humidity	0 to 95% RH, non condensing
Alarm Contact	For 4-wire: N/O or N/C Operation Form A: 1.0A@30VDC/0.5A@125VAC
Dimensions	10mm (dia) x 46mm (ht) with base
Weight	130g/set with base

Ordering Information

Model	Description
SD-2WP-LED	2-wire photoelectric smoke detector and remote LED output. Includes 4-inch base
SD-2WT-LED	2-wire photoelectric smoke detector with heat sensor and remote LED output. Includes 4-inch base.
SD-4WP	4-wire photoelectric smoke detector c/w 4-inch base
SD-4WT	4-wire photoelectric smoke detector with heat sensor c/w 4-inch base



Canada

25 Interchange Way Vaughan, ON L4K 5W3
Telephone: (905) 660-4655 | Fax: (905) 660-4113

U.S.A.

4575 Witmer Industrial Estates Niagara Falls, NY 14305
Toll Free: (888) 660-4655 | Fax Toll Free: (888) 660-4113

www.mircom.com



This document is provided by Mircom Technologies Ltd., MGC Systems Corp., or their affiliates, subsidiaries and brands, for convenience or marketing only and does not describe products or services technically. For technical information refer to technical manuals. We do not make representations or warranties regarding this information, including as to completeness or accuracy. We may change these contents at any time and reserve all rights in the contents, including copyrights, trademarks and other intellectual property.

CAT. 5357

Rev. 1