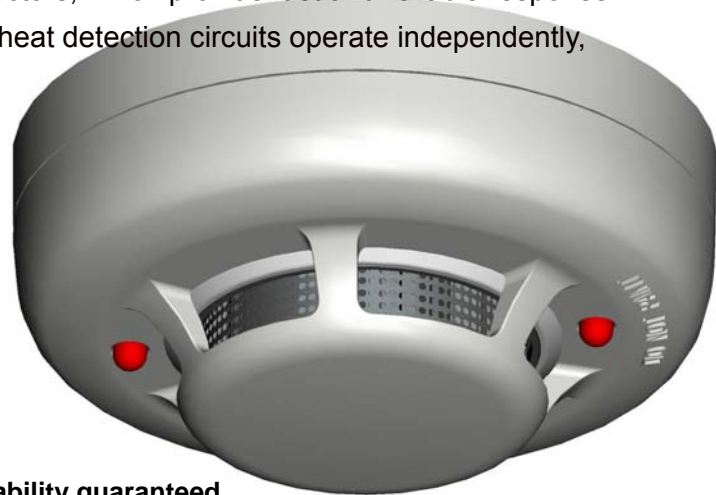# Conventional Photoelectric Smoke Alarm

All of the **Sentek's** SD388 series detectors meet the requirements of UL268 and UL521(ordinary) and EN54-7 and EN54-5(A2S) 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 SD388 series detectors are subject to panel compatibility limits and compliance with corresponding NFPA 72 standards, local codes, and ordinances.

The **SD388** series include 2-wire and 4-wire detectors, which provide fast and reliable response for photoelectric smoke detection. While the smoke and heat detection circuits operate independently, their outputs being "OR' connected.

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**
- **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:

SD388- 2	**2 wire photoelectric smoke alarm**
SD388- 2L	**2 wire photoelectric smoke alarm with remote LED output**
SD388- 4	**4 wire photoelectric smoke alarm (12/24VDC)**
SD388- 4B	**4 wire photoelectric smoke alarm with Buzzer (12/24VDC)**
SD388- 4AR	**4 wire photoelectric smoke alarm with auto-reset function (12/24VDC)**
SD388- 4ARB	**4 wire photoelectric smoke alarm with auto-reset function and Buzzer (12/24VDC)**

Notice: SD388-4 with 48Vdc available

Product Specification:

Model	2/4 wire	Thermal	Voltage DC	Standby Current (Max.)	Alarm Current 12/24V	Surge Current (Max.)	Star-Up Time (Max.)	Permissible Current (Max.)	Frequency	Alarm contact	Base model
SD388-2	2	—	10～33V	40μA	50mA	80μA	30S	80mA	1～3 Seconds	—	P/N762001
SD388-2L	2	—	10～33V	40μA	50mA	80μA	30S	80mA	1～3 Seconds	—	P/N764001
SD388-4	4	—	12/24 V	40μA	30/40mA	80μA	30S	—	1～3 Seconds	Form A	P/N764001
SD388-4AR	4	—	12/24 V	40μA	30/40mA	80μA	30S	—	1～3 Seconds	Form A /Auto Reset	P/N764001
SD388-4B	4	—	12/24 V	40μA	30/40mA	80μA	30S	—	1～3 Seconds	Form A	P/N764001
SD388-4ARB	4	—	12/24 V	40μA	30/40mA	80μA	30S	—	1～3 Seconds	Form A /Auto Reset	P/N764001

Product Data:

Smoke Sensitivity:	0.08~0.14db/m(EN standard)　　or　　0.98~2.40%/FT Obscuration (UL standard)
Reset Voltage:	less than 1 volt
Reset Time:	less than 1 second
Alarm Indicator:	LED continuously emitting red light
Remote Output:	25 mA 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) Normal Open, Contact rating: 1.0A@30VDC/0.5A@125VAC
Dimensions:	102mm (dia) x 43mm (ht) with base
Weight:	135g/set with base