

Description

SNA-360 analogue addressable photoelectric smoke/heat detectors are microprocessor controlled state-of-the-art detectors compatible with popular control and indicating equipment loop protocols. Up to 125 detectors can be connected to each alarm zone loop.

Advanced electronics in conjunction with a photoelectric smoke sensing chamber and an electronic thermistor provide early detection of fire and high immunity against unwanted alarms. The heat sensor provides sensitive rate-of-rise operation or fixed-temperature operation when the response threshold value is exceeded.

The SNA-360 analogue addressable detector range provides fire detection and alarm system designers with a premium smoke/heat detector for life safety and property protection applications.

Features

- Dual photoelectric smoke and heat sensors to detect either smoke, heat or a combination of the phenomena
- Ideal for both fast-flaming and slow smouldering fires
- Advanced algorithms provide analogue detection discrimination
- Surface-mount device (SMD) circuit board design
- High immunity against unwanted alarms
- Stable smoke sensing chamber. No adjustment or replacement required
- Durable heat sensor. No adjustment or replacement required
- Sleek low-profile housing design
- Dual LEDs for 360° visibility
- DC 24 V operation
- Convenient 2-wire connection to many popular loop protocols
- Easy installation with simple address setting DIP switches
- Available with 125 usable detector address settings per loop when connected to Numens control and indicating equipment
- Optional remote LED output
- Low maintenance

Compliance

SNA-360 smoke/heat detectors have the following compliance.

	EN 54-5 ^a	EN 54-7 ^b	CE
SNA-360-C2	✓	✓	✓
SNA-360-CL	✓	✓	✓

^a EN 54-5 Fire detection and fire alarm systems. Heat detectors. Point detectors

^b EN 54-7 Fire detection and fire alarm systems. Smoke detectors. Point detectors using scattered light, transmitted light or ionization

Accessories

The following accessories are compatible with SNA-360 smoke/heat detectors.

Description	Part number	Datasheet
4-terminal 102 mm low profile base	CN302A	31-0036
8-terminal 102 mm low profile base	CN304A	31-0038
Remote indicator ^a	681-001	31-0027

^a Requires 8-terminal base.



SNA-360 analogue addressable smoke/heat detector

Specifications

	SNA-360-C2	SNA-360-CL
Operating voltage	DC (17 ~ 28) V	
Start-up current	≤ 400 μA	
Start-up time	≤ 30 s	
Quiescent current	≤ 260 μA	
Sampling time	≤ 2 s	
Alarm response threshold (smoke)	(0.08 ~ 0.15) dB/m	
Alarm response threshold (heat)	59 °C static, and rate-of-rise ^a	
Alarm current (max)	2 mA	5 mA
Alarm indicator	Dual red LEDs	
Remote LED output current (max)	—	2 mA
Reset voltage	≤ 3 V	
Reset time	≤ 30 s	
Usable addresses per alarm loop	125	
Operating temperature	(-10 ~ +55) °C	
Operating humidity	(0 ~ 95) % RH, non-condensing	
Storage temperature	(-25 ~ +80) °C	
Storage humidity	(0 ~ 98) % RH, non-condensing	
Dimensions (excluding contacts)	Φ 102 mm × 45 mm	
Ingress protection rating	IP-42	

^a Detectors are factory-configured for 30 K/min and comply with EN 54-5 class A1 and class A2.

Ordering Information

	Remote Indicator ^a
SNA-360-C2	—
SNA-360-CL	✓

^a Requires 8-terminal base if remote indicator is installed.

View the complete range of products at www.numens.com

