

Description

SNA-360 analogue addressable photoelectric smoke detectors are microprocessor controlled state-of-the-art detectors suitable for connection to Numens 2-wire addressable fire detection control and indicating equipment. Up to 125 or 250 detectors can be connected to each alarm zone loop according to ST or XP protocol.

Advanced electronics in conjunction with a photoelectric smoke sensing chamber provides early detection of fire and high immunity against unwanted alarms.

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

Features

- 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
- Sleek low-profile housing design
- Dual LEDs for 360° visibility
- DC 24 V operation
- Convenient 2-wire connection
- Easy installation with simple address setting DIP switches
- Available with 125 or 250 usable detector address settings per loop according to ST or XP protocol
- Optional remote LED output
- Low maintenance

Compliance

SNA-360 smoke detectors have the following compliance.

	EN 54-7 ^a	CE
SNA-360-S2	✓	✓
SNA-360-SL	✓	✓

^a 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 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 detector

Specifications

	SNA-360-S2	SNA-360-SL
Operating voltage	DC (17 ~ 28) V	
Start-up current	≤ 400 µA	
Start-up time	≤ 30 s	
Quiescent current	≤ 460 µA	
Alarm current (max)	2 mA	5 mA
Sampling time	≤ 2 s	
Alarm response threshold	(0.08 ~ 0.15) dB/m	
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 (ST) 250 (XP)	
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 × 34 mm	
Ingress protection rating	IP-42	

Ordering Information

	Remote Indicator ^a
SNA-360-S2	—
SNA-360-SL	✓

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

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

