

Description

HNA-360 analogue addressable heat detectors are microprocessor controlled state-of-the-art detectors compatible with popular control and indicating equipment loop protocols. Up to 125 or 250 detectors can be connected to each alarm zone loop according to ST or XP protocol.

An electronic thermistor sensor provides sensitive rate-of-rise alarm operation, or fixed-temperature operation when the response threshold value is exceeded.

The HNA-360 analogue addressable detectors range provides fire detection and alarm system designers with a premium heat detector for property protection applications¹ where smoke or multi-sensor detectors may not be suitable due to environmental conditions.

Features

- Advanced algorithms provide analogue detection discrimination
- Surface-mount device (SMD) circuit board design
- Durable 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 or 250 usable detector address settings per loop according to ST or XP protocol
- Optional remote LED output
- Low maintenance

Compliance

HNA-360 heat detectors have the following compliance.

	EN 54-5 ^a	CE
HNA-360-H2	✓	✓
HNA-360-HL	✓	✓

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

Accessories

The following accessories are compatible with HNA-360 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.



HNA-360 analogue addressable heat detector

Specifications

	HNA-360-H2	HNA-360-HL
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	59 °C static, and rate-of-rise ^a	
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 × 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
HNA-360-H2	—
HNA-360-HL	✓

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

¹ **WARNING** – Hazardous levels of smoke and toxic gas can build up before a heat detector might operate. Where life safety and building evacuation is necessary in the event of a fire, smoke, gas or

combination detectors usually provide earlier warning than heat detectors alone.

