

## 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 detectors can be connected to each alarm zone loop.

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 applications<sup>1</sup> 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 usable detector address settings per loop when connected to Numens control and indicating equipment
- Optional remote LED output
- Low maintenance

## Compliance

HNA-360 heat detectors have the following compliance.

	EN 54-5 <sup>a</sup>	CE
HNA-360-H2	✓	✓
HNA-360-HL	✓	✓

<sup>a</sup> 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 <sup>a</sup>	681-001	31-0027

<sup>a</sup> 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	≤ 260 µA	
Alarm current (max)	2 mA	5 mA
Sampling time	≤ 2 s	
Alarm response threshold	59 °C static, and rate-of-rise <sup>a</sup>	
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	

<sup>a</sup> Detectors are factory-configured for 30 k/min and comply with EN 54-5 class A1 and class A2.

## Ordering Information

	Remote Indicator <sup>a</sup>
HNA-360-H2	—
HNA-360-H	✓

<sup>a</sup> Requires 8-terminal base if remote indicator is installed.

View the complete range of products at [www.numens.net](http://www.numens.net)



<sup>1</sup> **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.