

# NB768-H

## Addressable Heat Detector

**NB768-H** analogue addressable heat detectors are microprocessor controlled state-of-the-art analogue addressable detectors suitable for connection to addressable fire detection control and indicating equipment. Up to 254 detectors can be connected to each smart addressable loop. An electronic thermistor sensor provides sensitive rate-of rise alarm operation or fixed-temperature operation when the response threshold value is exceeded. The **NB768-H** range of analogue addressable detectors provides fire detection and alarm system designers with a Standards-compliant, premium heat detector for property protection applications where smoke or multi-sensor detectors may not be suitable due to environmental conditions.



### Key Features

- Advanced algorithms provide true analogue detection discrimination
- Surface-mount device (SMD) circuit board design
- Durable sensor. No adjustment or replacement required
- High immunity against unwanted alarms.
- 2-wire Smart Loop connectivity
- Durable heat sensor.
- Easy installation with simple address setting DIP switches (NB768-D) or soft addressing option via hand-held programmer (NB768-A)
- 250 detector address settings per loop when using WizPro2 communications protocol
- Optional flashing LED polling indicator. Optional remote LED output
- Dual LEDs for 360° visibility
- Sleek low-profile housing.

### TECHNICAL SPECIFICATIONS

OPERATING VOLTAGE	DC (17 ~ 28) V
START-UP TIME	≤ 5 s
STANDBY CURRENT	500 µA @ 24V
ALARM CURRENT	5 mA @ DC 24V
SAMPLING TIME	1 s
RESET TIME	50 s
ALARM RESPONSE THRESHOLD (HEAT)	59 °C
HEAT SENSITIVITY CLASS	Ordinary - Group A - 11.1°C/min
REMOTE LED OUTPUT CURRENT (MAX)	2 mA (NB768D-SHL & NB768A-SHL only)
USABLE ADDRESSES PER LOOP	254
OPERATING TEMPERATURE	-10 °C ~ +40 °C
OPERATING HUMIDITY	0 % ~ 93 % RH, non-condensing
STORAGE TEMPERATURE	-25 °C ~ +80 °C
STORAGE HUMIDITY	0 % ~ 98 % RH, non-condensing
ALARM INDICATOR	Two red LEDs
DIMENSIONS (WITH BASE)	Ø 100mm × 35 mm
INGRESS PROTECTION RATING	IP-43

ORDER CODE	Remote LED Output	DIL Switch
NB768D-H		✓
NB768D-HL <sup>a</sup>	✓	✓
NB768A-H		
NB768A-HL <sup>a</sup>	✓	

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

