

NB390H

Addressable Heat Detector

NB390H addressable heat detectors are microprocessor controlled state-of-the-art detectors with built-in short circuit isolation suitable for connection to addressable fire detection control and indicating equipment. Up to 250 detectors can be connected to each loop, depending on FDCIE compatibility. An electronic thermistor sensor provides sensitive rate-of-rise alarm operation, or fixed-temperature operation when the response threshold value is exceeded. The NB390H range of Smart addressable detectors provides fire detection and alarm system designers with a Standards-compliant, premium heat detector for property protection applications¹ where smoke or multi-sensor detectors may not be suitable due to environmental conditions.

Key Features

- Advanced algorithms provide analogue detection discrimination
- Durable sensor. Sleek low-profile housing design. Dual LEDs for 360° visibility
- Loop powered. 2 wire Smart loop connectivity
- Easy installation with simple address setting DIP switches (NB390D) or software addressing with hand-held programmer (NB390A)
- 250 detector address settings per loop when using either WizPro2 or WizPro3 communications protocol
- Optional flashing LED polling indicator
- Built in Short circuit isolator
- Optional remote LED output
- Maintenance alert – FDCIE dependent



EN54-5

TECHNICAL SPECIFICATIONS

OPERATING VOLTAGE	DC (17 ~ 28) V
START-UP TIME	≤ 5 s
STANDBY CURRENT	300 µA @ 24V
ALARM CURRENT	1.8 mA @ DC 24V
SAMPLING TIME	1 s
ALARM RESPONSE THRESHOLD	59° C
ALARM SENSITIVITY CLASS	AIR
REMOTE LED OUTPUT CURRENT (MAX)	3.5 mA (NB390D-HL & NB390A-HL only)
USABLE ADDRESSES PER LOOP	250
OPERATING TEMPERATURE	-10 °C ~ +50 °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 LED
DIMENSIONS (EXCLUDING CONTACTS)	Ø 100 mm × 48 mm
INGRESS PROTECTION RATING	IP-43

ORDER CODE	Remote LED Output	DIL Switch
NB390D-H		✓
NB390D-HL ^a	✓	✓
NB390A-H		
NB390A-HL ^a	✓	

^a Requires 4-terminal base if remote indicator is installed.

