wizMart

NB768-SH

Addressable Smoke/ Heat Detector

NB768SH analogue addressable photoelectric smoke/heat detectors are microprocessor controlled state-of-the-art detectors suitable for connection to addressable fire detection control and indicating equipment. Up to 254 detectors can be connected to each alarm zone loop. Advanced electronics in conjunction with a photoelectric smoke sensing chamber and an electronic thermistor provide early detection of fire and high immunity against unwanted alarms. The heat sensor provides sensitive rate-of-rise or fixed-temperature operation when the response threshold value is exceeded. The **NB768-SH** range of analogue addressable detectors provides fire detection and alarm system designers with a standards-compliant, premium fire detector for life safety and property protection applications.

Key Features

- Dual photoelectric smoke and heat sensors to detect either smoke, heat or a combination of the phenomena.
- Ideal for both fast-flaming and slow smouldering fires.
- Advanced algorithms provide true analogue detection discrimination
- Surface-mount device (SMD) circuit board design
- High immunity against unwanted alarms
- Stable smoke sensing chamber. No adjustment or replacement required
- Durable heat sensor. No adjustment or replacement required
- Sleek low-profile housing design & low maintenance
- Dual LEDs for 360° visibility. Convenient 2-wire connection
- Up to 254 detectors can be connected to each alar zone loop using the WizPro21 loop communications protocol
- Easy installation with simple address setting DIP switches (NB768D) or software addressing with hand-held programmer (NB768A)

TECHNICAL SPECIFICATIONS

OPERATING VOLTAGE	17-28V + 5-9V protocol voltage
RESET & START-UP TIME	30 s (Max.)
STANDBY & START-UP CURRENT (MAX.)	500uA & 800uA (Max.)
ALARM CURRENT	5 mA @ 24 V DC
ALARM RESPONSE THRESHOLD (SMOKE)	(2.12 ± 0.61) % / foot obscuration
ALARM RESPONSE THRESHOLD (HEAT)	59 °C fixed temperature & 11.1 °C rate-of-rise
SAMPLING TIME	1 s
REMOTE LED OUTPUT CURRENT (MAX)	2 mA@24V
USABLE ADDRESSES PER LOOP	254
OPERATING TEMPERATURE	-10 °C ~ +38 °C
OPERATING HUMIDITY	0 % ~ 95 % 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
NB768D-S		✅
NB768D-SL[a]	✅	✅
NB768A-S		
NB768A-SL[a]	✅	

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