wizMart

NB768-S
Addressable Smoke Detector

NB768A-S analogue addressable photoelectric smoke 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 smart addressable loop. Easy installation with simple address setting DIP switches (NB768D) or software addressing with hand-held programmer (NB768A). Advanced electronics in conjunction with a photoelectric smoke sensing chamber provide early detection of smoke and high immunity against unwanted alarms. The NB768A range of analogue addressable detectors provides fire detection and alarm system designers with a Standards-compliant, premium smoke detector for life safety and property protection applications.

Key Features

- Advanced algorithms provide analogue detection discrimination
- Photoelectric smoke sensing technology
- 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
- 254 detector address settings per loop when using either WizPro2
- 2 LEDs for individual alarm indication and flashing polling indicator
- Optional remote LED output

TECHNICAL SPECIFICATIONS

OPERATING VOLTAGE	17-28V + 5-9V protocol voltage
RESET & START-UP TIME	30 s (Max.)
STANDBY CURRENT	500uA (Max.)
ALARM CURRENT	5 mA @ 24 V DC
START-UP CURRENT (MAX.)	800uA (Max.)
ALARM RESPONSE THRESHOLD	(2.12 ± 0.61) % / foot obscuration
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 × 35 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.