



EN-54

EN54-5

EN54-7



NB358

Smoke/Heat Detector

NB358 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 126 detectors can be connected to each alarm zone loop. Detector addressing is electronically programmed into the detector at the time of installation.

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 operation or fixed-temperature operation when the response threshold value is exceeded.

Key Features

- 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 analogue detection discrimination
- 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
- Dual LEDs for 360° visibility
- 2-wire connection
- Easy installation with simple electronic address programming.
- Alternative DIP switch addressing option available.
- Available with 126 usable detector address settings per loop when using either WizPro0 or WizPro1 communications protocol
- Optional remote LED output

TECHNICAL SPECIFICATIONS

OPERATING VOLTAGE	DC (17 ~ 28) V
START-UP CURRENT	≤ 800 µA
STANDBY CURRENT	≤ 500 µA
ALARM CURRENT (MAX)	5 mA @ DC 24 V
RESET VOLTAGE	≤ 5 V
RESET TIME	≤ 30 s
ALARM RESPONSE THRESHOLD (SMOKE)	0.09 dB/m ~ 0.14 dB/m
ALARM RESPONSE THRESHOLD (HEAT)	59 °C
REMOTE LED OUTPUT CURRENT (MAX)	2 mA
USABLE ADDRESSES PER ALARM ZONE CIRCUIT	126
OPERATING TEMPERATURE	-10 °C ~ +50 °C
OPERATING HUMIDITY	0 % ~ 95 % RH, non-condensing
ALARM INDICATOR	Two continuous emitting red LEDs
DIMENSIONS (EXCLUDING CONTACTS)	∅ 100 mm × 48 mm
INGRESS PROTECTION RATING	IP-43

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ORDER CODE	Electronic Addressing	DIP Switch Addressing	Remote LED Output
NB358A-SH	✓		
NB358A-SHL	✓		✓
NB358D-SH		✓	
NB358D-SHL		✓	✓