wizMart

NB380-H (UL)
Heat Detector

NB380-H conventional heat detectors are state - of - the - art detectors suitable for connection to conventional fire detection control and indicating equipment, or to addressable fire detection control and indicating equipment that can accept conventional type detectors. An electronic thermistor sensor provides sensitive rate-of-rise alarm operation, or fixed-temperature operation when the response threshold value is exceeded. The NB380 range of conventional detectors provide fire detection and alarm system designers with a Standards compliant, economical heat detector for property protection applications where smoke or multi-sensor detectors may not be suitable due to environmental conditions.

UL
Comply to UL 521

Key Features

- Advanced algorithms provide excellent detection discrimination
- Easy installation. No programming required
- Low maintenance
- Sleek low-profile housing design
- Durable sensor No adjustment or replacement required
- Wide operation voltage range to accommodate DC12V and DC24V supply
- Surface-mount device (SMD) circuit board design
- Dual LEDs for 360° visibility
- 2-wire and 4-wire models for DC 12 V and DC 24 V operation
- 4-wire models include a N/C or N/O alarm relay output
- 4-wire models available with optional auto-reset function
- Base options include
    - Low profile 100 mm diameter base new version
    - Low profile 100 mm diameter base with remote LED Connection
    - Low profile 100 mm diameter base 4 wire
- Connects to zone monitor for use with addressable control and indicating equipment

TECHNICAL SPECIFICATIONS	NB380-H2-UL NB380-H2L-UL	NB380-H4R-UL
OPERATING VOLTAGE	DC (9 / 33) V	DC (10 / 28) V
START-UP CURRENT	≤ 350 µA	
START-UP TIME	≤ 8 s	
STANDBY CURRENT	≤ 45 µA	
ALARM CURRENT (MAX) ——— [a] without remote LED [b] with remote LED	19 mA [a] @ 9 V 24 mA [b] @ 9 V 77 mA [a] @ 28 V 102 mA [b] @ 28 V 64 mA [a] @ 24 V 85 mA [b] @ 24V	12 mA @ 10 V 48 mA @ 28 V 40 mA @ 24 V
MAXIMUM PERMITTED CURRENT	100 mA without remote LED	
SAMPLING TIME	8 s	
RESET VOLTAGE	≤ 2.1 V	

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TECHNICAL SPECIFICATIONS	NB380-H2 NB380-H2L	NB380-H4R
RESET TIME	≤ 3 s	
Heat Class	Ordinary - Group A - 138°F/59°C	
ALARM RELAY (MAX)		SPST. N/O or N/C. 2.0 A @ DC 30 V / 0.5 A @ AC 125 V
OPERATING TEMPERATURE	-10 °C ~ +50 °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 LEDs	
DIMENSIONS (EXCLUDING CONTACTS)	Ø 100 mm × 38 mm	
CEILING SPACING FOR HEAT SENSOR	Defined by local installation regulations / standards	

ORDER CODE	2-Wire	4-Wire	Normal Operating Voltage	Remote LED Output	Alarm Relay Output
NB380-H2-UL	✔		9-33V DC		
NB380-H2L-UL	✔		9-33V DC	✔	
NB380-H4R-UL		✔	10-28V DC		✔