

NB-323

EN-54
Approved



Conforms to
UL/ULC
VdS

Conventional Heat Detector

The EN-54 approved conventional NB-323 series of heat detectors are designed with precise CPU control and thermister detection. Its state-of-the-art combination of "Rate-of-Rise" and "Fixed-Temperature" operation ensures the best quality of heat detection in all environments. These heat detectors can be calibrated to either EN 54 or UL safety standards and comes with "Auto-Reset" model.

Product Features

- 2 or 4 wire models
- Advanced detection and discrimination algorithms
- Easy installation and maintenance
- Sleek low-profile housing design
- Durable sensor, no need for replacement
- SMD circuit board design
- Super quality and reliability guaranteed
- Five-year limited warranty
- Dual LEDs for 360° visibility
- Detector base option: Regular 100 mm base or Big 125 mm base

Options

- Normally closed (N/C)-Normally open (N/O) selectable relay output remote LED
- Auto Reset (A/R) function for security systems (optional for 4 wire models)

Models

Model	2 wire	4 wire	Smoke Alarm	Heat Alarm	Remote LED	Buzzer	Auto - Reset	12 VDC	24 VDC	UL Approval	EN 54 Approval	CE Approval
NB323-2	●			●					●		●	●
NB323-2L	●			●	●				●		●	●
NB323-4-12		●		●				●			●	●
NB323-4-24		●		●					●		●	●
NB323-4-AR-12		●		●			●	●				●
NB323-4-AR-24		●		●			●		●			●

Specs

Model	2/4 wire	Thermal	Voltage DC	Standby Current (Max)	Alarm Current (Max)	Surge Current (Max)	Start-Up Time (Max)	Permissible Current (Max)	Frequency	Alarm Sound Level	Alarm contact	Base model
NB323-2	2	57°C	10~35 V	55 µA	50 mA	150 µA	60 Sec	80 mA	4-6 Sec	N/A	N/A	P/N 772912
NB323-2L	2	57°C	10~35 V	55 µA	50 mA	150 µA	60 Sec	80 mA	4-6 Sec	N/A	N/A	P/N 772912
NB323-4-12	4	57°C	10~15 V	55 µA	50 mA	150 µA	60 Sec	80 mA	4-6 Sec	N/A	Form A	P/N 772912
NB323-4-24	4	57°C	21~27 V	55 µA	50 mA	150 µA	60 Sec	80 mA	4-6 Sec	N/A	Form A	P/N 772912
NB323-4-AR-12	4	57°C	10~15 V	55 µA	50 mA	150 µA	60 Sec	80 mA	4-6 Sec	N/A	Form A Auto Reset	P/N 772912
NB323-4-AR-24	4	57°C	21~27 V	55 µA	50 mA	150 µA	60 Sec	80 mA	4-6 Sec	N/A	Form A Auto Reset	P/N 772912

Heat Sensitivity : EN 54-5:2000 Standard
Ceiling Spacing : ≥15 mm rating for heat sensor
Start-Up Current : 500 µA maximum
Reset Voltage : less than 1 volt
Reset Time: less than 1 second
Alarm Indicator : continuously emitting red light
Temperature range: -10°C to 50°C
Remote Output : 15 mA maximum diode gate
Permissible current : 80 mA max
Humidity : 0 to 95% RH, non-condensing or icing
Alarm Contact : (for 4-wire) N/O or N/C operation
 Form A: 1.0A@30VDC/0.5A@125VAC
Dimensions : 100 mm (dia) x 46 mm (ht) with base
Weight : 160 g with base
IP rating : IP-42

Remarks

AR - auto reset function
L - remote LED indicator output

