

# NB-338

## Conventional Smoke Detector

The EN-54 and UL approved conventional NB-338 series smoke detectors are engineered to the best quality and durability in accordance with both EN-54 and UL standards. They work with all conventional and intelligent fire control panels, and security panels as well. NB338 also comes as a multisensor smoke and heat detector. Your perfect choice of reliable smoke detectors that completely meets the most strict testing in both EN 54 and UL certified laboratories.

### Product Features

- 2 or 4 wire models
- Dual LEDs for 360° visibility
- Advanced detection and discrimination algorithms
- Easy installation and maintenance
- Sleek low-profile housing design
- Durable sensor head. No need for replacement
- SMD circuit board design
- Satisfactory quality and reliability guaranteed
- Integrated heat detector for NB338-2H and NB338-4H models
- Normally-closed(N/C) -Normally-open(N/O) selectable relay output
- Auto Reset (A/R) function for security systems (optional for 4 wire models)
- Detector base option: Regular 100 mm base or Big 125 mm base



### The Range Includes

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
NB338-4H-12		X	X	X				X		X	X	X
NB338-4H-24		X	X	X					X	X	X	X
NB338-4-12		X	X					X		X	X	X
NB338-4-24		X	X						X	X	X	X
NB338-2H	X		X	X					X	X	X	X
NB338-2H-LED	X		X	X	X				X	X	X	X
NB338-2	X		X						X	X	X	X
NB338-2-LED	X		X		X				X	X	X	X
NB338-4ARB-12		X	X			X	X	X				X
NB338-4ARB-24		X	X			X	X		X			X

### Sensor Specification

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
NB338-4H-12	4	57°C	12 V	320 µA	35 mA	130 µA	60 sec	80 mA	3-5 sec		Form A	P/N 774912
NB338-4H-24	4	57°C	24 V	320 µA	35 mA	130 µA	60 sec	80 mA	3-5 sec		Form A	P/N 774912
NB338-4-12	4		12 V	320 µA	35 mA	120 µA	60 sec	80 mA	3-5 sec		Form A	P/N 774912
NB338-4-24	4		24 V	320 µA	35 mA	120 µA	60 sec	80 mA	3-5 sec		Form A	P/N 774912
NB338-2H	2	57°C	12-28V	100 µA	70 mA	130 µA	60 sec	80 mA	3-5 sec		-	P/N 772912
NB338-2H-LED	2	57°C	12-28V	100 µA	70 mA	130 µA	60 sec	80 mA	3-5 sec		-	P/N 774912
NB338-2	2		12-28V	90 µA	70 mA	120 µA	60 sec	80 mA	3-5 sec		-	P/N 772912
NB338-2-LED	2		12-28V	90 µA	70 mA	120 µA	60 sec	80 mA	3-5 sec		-	P/N 774912

- Smoke Sensitivity : 1.90+ - 0.92% ft obscuration (UL 268 standard), 0.10~0.14 dB/m (EN-54 standard)
- Start-Up Current : 160 µA maximum
- Reset Voltage : less than 1 volt
- Reset Time : less than 1 second
- Alarm Indicator : LED continuously emitting red light
- Remote Output : 15 mA maximum diode gate
- Temperature Range: -10°C to 50°C (EN), 0 C~38.8 C (UL)
- Humidity : 0 to 95% RH, non-condensing or icing
- Alarm Contact : (for 4-wire) N/O or N/C operation, Form A, 1.0 A @ 30 VDC / 0.5 A @ 125 VAC
- Dimensions : 100 mm (dia) x 46 mm (ht) with base
- Weight : 130 g with base
- IP rating : IP-42