

# NB590 Wireless

## Wireless DC Smoke Alarm

The **NB590 Interconnectable wireless DC smoke alarm for residential applications**, provides battery powered smoke detection and alarm functions within a single unit. Advanced electronics, in conjunction with a photoelectric smoke sensing chamber, provide early detection of smoke and high immunity against unwanted alarms. NB590 wireless DC smoke alarms are battery powered, with wireless signaling to other interconnected devices. NB590 wireless DC smoke alarms provide home owners and installers with a flexible and easy-to-install premium solution for general residential life safety and property protection applications.

### Key Features

- Photoelectric smoke sensing chamber technology
- Dual function action button to temporarily silence unwanted alarms (Hush), and to verify battery and alarm operation (Test)
- Separate coding button
- Interconnection silence feature provided for easy identification of alarm location
- Loud 85 dB sounder to alert occupants
- Local alarm memory allows easy identification of a unit that has previously been in the Alarm condition
- Drift compensation for long-term use
- Temperature compensation, wide operating temperature range
- Smoke chamber fault monitoring
- Surface-mount device (SMD) circuit board design
- Sealed DC 3 V lithium battery, with a 10 year life expectancy
- 30 day low battery warning signal
- Interconnection function connects up to 12 units together
- Easy installation
- Low maintenance

### TECHNICAL SPECIFICATIONS

POWER SOURCE	DC 3 V Lithium Battery 2300 mAh
ALARM RESPONSE THRESHOLD	0.10 dB/m ~ 0.16 dB/m
RF OPERATING FREQUENCY	868 MHz
RF POWER	+10 dBm
VISUAL ALARM INDICATOR	Red LED
AUDIBLE ALARM SOUNDER OUTPUT	≥ 85 dB @ 3 m Temporal 3 signal pattern
CURRENT (MAX)	120 mA
NUMBER OF INTERCONNECTED UNITS <sup>a</sup>	12
OPERATING TEMPERATURE	-10 °C ~ +60 °C
OPERATING HUMIDITY	10 % ~ 90 % RH, non-condensing
STORAGE TEMPERATURE	-25 °C ~ +80 °C
STORAGE HUMIDITY	0 % ~ 98 % RH, non-condensing
DIMENSIONS	Ø 102 mm × 36 mm

<sup>a</sup> Typical range is 30 m within a dwelling, and 100 m in free space.

### ORDER CODE

NB590	DC 3V smoke alarm, 10 year, wireless interconnection
THW	Wireless remote controller
NB349	Wireless sounder strobe



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