

# NB580 Wireless

## Wireless DC Smoke Alarm



EN 14604



### The NB580 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. NB580 wireless DC smoke alarms are battery powered, with wireless signaling to other interconnected detectors. NB580 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)
- Loud 85 dB sounder to alert occupants
- Surface-mount device (SMD) circuit board design
- Single DC 9 V user-replaceable lithium or alkaline battery included
- 30 day low battery warning signal
- Battery missing indicator prevents the unit from being installed without the battery fitted
- T3 audible alarm signal (0.5 s on, 0.5 s off for 3 cycles, followed by 1.5 s off)
- Sophisticated antenna provides high output power, with low power consumption for interconnection of smoke alarms
- Interconnection function connects up to 32 units together
- Easy installation
- Low maintenance

### TECHNICAL SPECIFICATIONS

POWER SOURCE	DC 9 V
ALARM RESPONSE THRESHOLD	0.10 dB/m ~ 0.16 dB/m
RF OPERATING FREQUENCY	868.082 MHz
RF POWER	+10 dBm
VISUAL ALARM INDICATOR	Red LED
AUDIBLE ALARM SOUNDER OUTPUT	≥ 85 dB @ 3 m Temporal 3 signal pattern
CURRENT	Standby 32 uA - Alarm 40 mA
NUMBER OF INTERCONNECTED UNITS <sup>a</sup>	32
BATTERY LIFE	2 years (Alkaline), 10 years (Lithium)
OPERATING TEMPERATURE	-10 °C ~ +40 °C
OPERATING HUMIDITY	10% ~ 90% RH, non-condensing, non-icing
STORAGE TEMPERATURE	-25 °C ~ +80 °C
STORAGE HUMIDITY	0% ~ 98% RH, non-condensing, non-icing
DIMENSIONS	Ø 102 mm × 35 mm

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

### ORDER CODE

NB580	Alkaline Battery
NB580-S	Lithium Battery