

NB590 Wireless

Wireless DC Smoke Alarm



EN 14604


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3131

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 ^a	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

^a 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





THW

Wireless Remote Controller

THW remote controller provides remote control operation of NB580/NB590 Wireless smoke alarm and also the NB349 wireless sounder strobe. It can be programmed to operate with the above devices to remotely trigger test, to silence the interconnection alarm to locate the fire origin, and to silence the original alarm (only for NB590).

THW wireless remote controller is battery powered, with wireless signalling to other interconnected devices. The **THW** wireless remote control simplifies detector testing and allows silencing a ceiling mounted detector without needing to access it.

Key Features

- Test and coding dual function button (the small one)
- Interconnection silence and forced silence dual function button (the big one)
- Surface-mount device (SMD) circuit board design
- Replaceable 3V lithium battery, with 1 year operational life expectancy
- Compatible with NB580/NB590 smoke alarms
- Compatible with NB349 sounder strobe
- Easy installation with mounting bracket
- 30 day Low battery alert
- Low maintenance
- Typical 10 m wireless communication range within dwelling

TECHNICAL SPECIFICATIONS

POWER SOURCE	CR2032 Lithium Battery
RF operating frequency	868.082 MHz
RF range	10m typical
Standby Current (max)	80 mA
Operating temperature	-10°C ~ +50 °C
Operating humidity	10 %~90 % RH,non-condensing,non-icing
Storage temperature	-25 °C ~ +50 °C
Storage humidity	0 %~98 % RH, non-condensing,non-icing
Dimensions	81 mm × 43 mm × 17 mm

ORDER CODE

THW	DC 3V Wireless remote controller
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