



# 562NSE

## Battery Powered Standalone Smoke Detector With Sounder - EN Approved

### General

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The 562NSE is an EN14604 approved, battery powered, stand-alone smoke detector with built in sounder. It features a local silence and test function, as well as a field exchangeable optical chamber for ease of cleaning and maintenance. All detectors are shipped with a dust cover for protection on construction sites with dusty environments.

### Stand Alone Operation

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The 562NSE offers complete stand-alone applications with "peace-of-mind" functionality. An extended LED feature set and local test facilities allow the user total visibility of the functionality of the detector. When maintenance is required, both to the detector or the batteries, the user will be timely notified.

### LED Indications

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The LED on the detector indicates the status of the detector:

FLASHING: 2A flash every 9 seconds during normal operation

ON: 22 Fire alarm

OFF: 22 Trouble or maintenance required

The sensitivity of the device is indicated on the LED of the detector during detector maintenance testing.

### Testing and Maintenance

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The 560 series detectors may be tested on location using canned aerosol simulated smoke. The detector LED remains ON and the alarm sounds a temporal rhythm until the Test/Silence button is pressed. The detector automatically resets when smoke is no longer present. A local alarm indicates the end of any test sequence.

Sensitivity testing and contamination monitoring on the detector allows the detector to indicate when maintenance is required. For cleaning, simply exchange the optical chamber (211) on site. The detector automatically recalibrates meaning that no special tools are required.



### Details

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- Complete autonomous, standalone operation
- Local test and silence alarm functions
- Easy installation with first fix base
- Mounting base and batteries included
- Low battery detection
- Maintenance warning
- Self-diagnostics monitor for sensitivity and operational status
- Replaceable optical chamber for easy maintenance
- Tamper switch for monitoring detector removal

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### Technical specifications

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#### Electrical

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Operating voltage	3 VDC
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#### Physical

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Physical dimensions	142 x 61 mm (Ø x H) (Detector)
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	137 x 117 mm (Ø x H) (Base)
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Colour	White
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#### Environmental

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Operating temperature	+4 to +38°C
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Storage temperature	-34 to +60°C
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Relative humidity	90% max. noncondensing
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Environment	Indoor
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RFI immunity	10 V/m minimum; 0-1000 MHz
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#### Regulatory

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Certification	EN14604
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#### Low battery threshold

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Low battery signal at 2.7V
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#### Batteries

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Battery life	1 year (min)
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Battery type	2 x 3 V lithium (Duracell® 123 or equivalent)
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#### Detector sensitivity

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0.14 ± 0.04 dB/m
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#### Drift compensation

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1.64%/m (0.5%/ft.) max.
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#### Current consumption

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Stand by	35 µA
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Alarm	70 mA
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Test	2 mA
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#### Sounder

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Alarm	85 dB @ 3 m, temporal output
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Low battery	1 every 45 ± 2 seconds
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