

## EN1243 EchoStream Wireless Smoke/Heat Detector

The EN1243 EchoStream wireless smoke/heat detector features an onboard sounder, a smoke and heat sensor, and an LED set and local test capability to allow the user total visibility of its functionality. It is self-monitoring, alerting the user when cleaning is needed or batteries are low, and automatically supervising the radio link.



### Product Features

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Local test and silence alarm functions

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Low battery detection

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Maintenance warning

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Tamper switch for prevention against sensor removal

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Smoke and heat sensor

### Product Specifications

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Dimensions: Detector: 5.4" x 2.4" (14.2cm x 6.1cm) Base: 5.4" x 0.46" (13.7cm x 1.17cm)

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Weight: 8.9 oz.

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Current consumption: Stand by: 35µA; alarm: 120µA; test: 2mA

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Internal battery type: Panasonic CR123A

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Typical battery life: 3-5 years

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Low battery threshold: Low battery signal at 2.7V

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Operating environment:

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RFI immunity: 20 V/m minimum; 0-1000 MHz

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Temperature: 32°F to 100°F (-0°C to 38°C)

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Humidity: 10 to 90% (non-condensing)

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Market: North America, Australia, New Zealand

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EchoStream® frequency: 902-928 MHz, frequency hopping spread spectrum

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Regulatory compliance: FCC, RoHS, C-TICK, UL 217<sup>1</sup>

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Check-in time frequency: 3 minutes

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Smoke detector sensitivity: 0.14 ± 0.04 dB/m

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Drift compensation: 0.5%/ft. (1.64%/m) max

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Heat alarm, fixed: 135°F +/- 5°F (57.2°C +/- 2.8°C)

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Heat alarm rate of rise: 15°F/min > 105°F (8.3°C/min > 40.6°C)

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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

## Reference Materials (available at [www.inovonics.com](http://www.inovonics.com))

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[EN1243 EchoStream® Wireless Smoke/Heat Detector Installation Instructions](#)

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[Security End Device Developer Guide](#)

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[EchoStream One-Way Security Developer Guide](#)

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- The range and performance of any wireless product depends on the structure and environment in which it operates.
  - Continual enhancements to our products may cause specifications to change without notice.
  - To view the Declaration of Conformity, go to [www.inovonics.com](http://www.inovonics.com) and type "declaration of conformity" in the search field.
  - Patents: 7,154,866; 7,554,932; 7,746,804; others pending.
- <sup>1</sup> The EN1243 is not a CSFM approved smoke alarm, per California Health and Safety Code Section 13114 (State Fire Marshal Information Bulletin 14-007).