

# EN1244 Smoke detector

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- ▶ Fully supervised transmitter to maximize reliability
- ▶ Built-in sounder for alarm alerts
- ▶ Self-monitoring for smoke sensor maintenance
- ▶ Removable smoke sensor chamber for easy cleaning
- ▶ Tamper switch to detect removal from mounting surface

The EN1244 wireless smoke detector transmitter provides smoke detection on the Inovonics EchoStream wireless platform. The detector features an onboard sounder, a smoke sensor, an LED indicator, and local test capability allowing the user total visibility of the detector's functionality.

## System overview

### Powered by Inovonics

The Inovonics EchoStream platform, powered by Inovonics wireless mesh network technology, ensures superior range, reliability, and scalability for commercial applications. Using a wide range of transmitters and repeaters, this proven technology provides flexibility and performance to meet the most stringent requirements. This exclusive protocol is available only on Inovonics EchoStream products.

### Wireless 900 MHz Band

The Inovonics EchoStream platform sends redundant information on several multi-frequency channels within the FCC Part 15 900 MHz band, providing superior range and reliability. In comparison, systems that use a single frequency technology can only send information on one narrow band channel. Any interference within

the band can cause missed signals. With wireless registration, it is easy to add this technology to any application.

## Functions

### Supervision

Automatic supervising of the radio link and low battery status helps ensure reliable operation.

### Smoke Sensor monitoring

The self-diagnostics monitor the detector's sensitivity and operational status. If the detector drifts out of the desired sensitivity range or fails internal diagnostics, the green LED extinguishes, the red LED illuminates, and it sends a maintenance signal to the receiver.

### Removable Smoke Sensor Chamber

The removable chamber allows for on-site cleaning, eliminating the need to send detectors to the factory for cleaning.

### Tamper detection

The tamper switch detects and notifies the system when the detector is removed from its mounted surface.

## Certifications and approvals

Inovonics Wireless Corporation holds the following approvals:

Region	Certification
USA	FCC Part 15 Class B ID: HCQ3B60T9GSK  UL 268 Smoke-Automatic Fire Detectors  CSFM - California Office of The State Fire Marshall
Canada	IC: 2309A-OT9GSK

## Installation/configuration notes

### Compatibility Information

The EN1244 detector is compatible with the following products:

#### Receivers

EN4016SK	Survey Receiver
EN4200	Serial Receiver
EN4204R	Four Zone Add-On Receiver
EN7290	Receiver/Interface

#### Repeater

EN5040-T	High-power Repeater
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### Trademarks

All hardware and software product names used in this document are likely to be registered trademarks and must be treated accordingly.

## Parts included

Quantity	Component
1	Detector
1	Battery
1	Hardware pack
1	Literature pack

## Technical specifications

### Properties

Dimensions	Detector: 5.3 in. x 2.3 in. (13.5 cm x 5.8 cm)
Weight	8.5 oz (without battery)
Smoke detector sensitivity	2% per ft. obscuration, nominal
Drift compensation	Automatic
Alarm sounder	85 dB @ 3 m, temporal output
Frequency (operating)	902 MHz to 928 MHz

## Environmental considerations

Temperature (operating)	-0°C to +50°C (+32°F to +120°F)
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## Power requirements

Voltage	One 3.0 V battery
Battery life	3 to 5 years. Typical battery life shown is for supervised operation using recommended check-in times.

## Ordering information

### EN1244 Smoke detector

Provides smoke detection on Inovonics EchoStream wireless platform. Includes 1 battery.

Order number **EN1244**