SDA-250

STANDALONE SMOKE DETECTOR

EN 14604

Complete Independence.
Complete Safety.

A smoke detector with power supply and signalling system –
independent, effective, and always ready.

This standalone smoke detector, compliant with **EN 14604**, meets strict requirements for smoke detection sensitivity, minimum alarm volume (≥85 dB at 3 meters), independent battery power, test functionality, and low battery warning. The standard also defines the detector's resistance to electromagnetic interference, as well as requirements for durability, reliability, and clarity of both visual and acoustic signalling. It ensures resistance to harsh environmental conditions such as temperature, humidity, shock, and corrosion. Thanks to these features, the detector operates independently of any alarm or fire system and meets European fire safety standards.

Where should they be installed?

In newly built residential and hospitality buildings

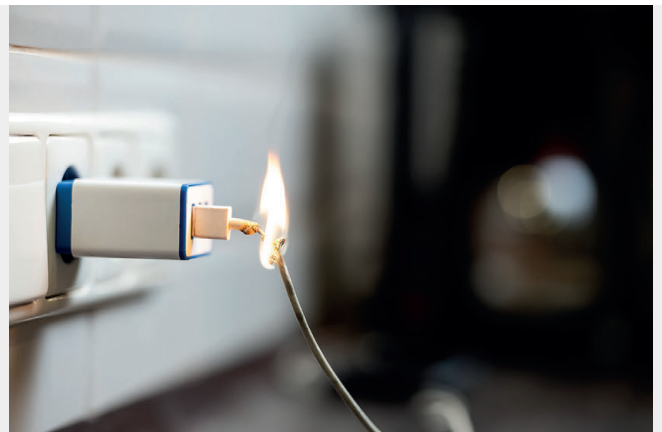**In existing residential units used for hospitality services**

In already existing homes and apartments
not used for hospitality services, and additionally in rooms where solid, liquid, or gas fuels are burned (e.g. in fireplaces or stoves)

Did you know...

Every year, tens of thousands of fires occur in private homes, hotels, and motels.
The most common causes include: smoking, unattended candles, electrical short circuit and careless behavior in the kitchen.
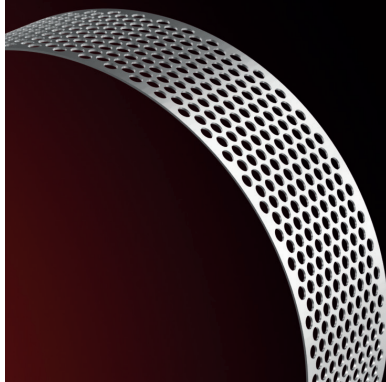
Advanced design

- ☑ **accurate detection**
- ☑ **fast response**

Rapid smoke detection due to the unique **Swirl chamber**

Dirt-resistant and precise **Hexamesh stainless steel filter**

Certified for compliance with **EN 14604**

Rigorously tested, including in professional smoke tunnels

Up to **10 years** of continuous operation on a single battery

Don't wait — install a device

that **protects life**, **health**, and **property**.

Danger signalling

When smoke is detected, the alarm is signalled with both a loud sound and a flashing LED indicator. Turning off the alarm stops both signals. The red LED and buzzer also indicate when the optical chamber is dirty or the battery is low.

Alarm test and reset

The detector should be tested periodically to ensure it is working correctly. The process is simple and quick. A dedicated button on the housing is used to initiate the test. The same button can be used to reset the alarm once the situation is under control.
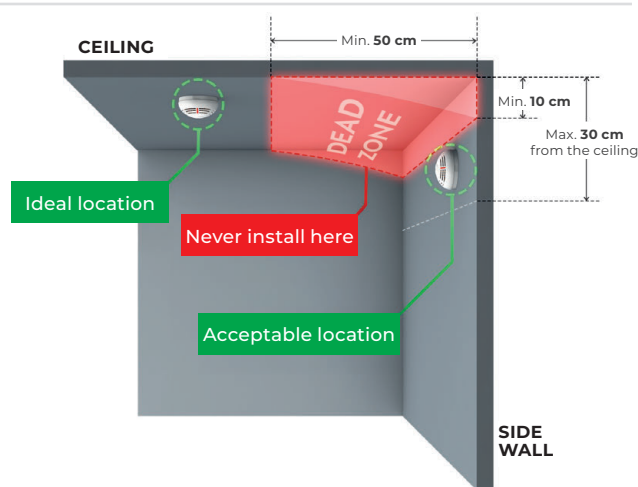
How to install

The detector can be quickly and easily installed using the included adhesive strip or by screwing it into place.

Where to install the smoke detector?

Proper placement ensures that the detector functions effectively and triggers alarms accurately.
The SDA-250 smoke detector is designed for indoor use in areas where smoke, dust, or condensation are not typically present.

Detailed installation instructions can be found in the device manual. Be sure to review them before setup.

CEILING

Min. **50 cm**

DEAD ZONE

Min. **10 cm**

Max. **30 cm** from the ceiling

Ideal location

Never install here

Acceptable location

SIDE WALL

Technical properties

- Loud acoustic signal via piezoelectric transducer
- Bright LED visual indicator
- **Hexamesh filter** for enhanced contamination resistance
- Accelerated smoke detection achieved by a uniquely designed **Swirl detection chamber**
- **Built-in self-diagnostic functions**: monitoring of battery status and contamination levels within the optical chamber (the detector automatically compensates for gradual changes in the optical chamber caused by dust accumulation)
- Test and alarm reset button for user verification and control
- 3-year warranty
- Visual indication during test mode via LED signalling

- Expected battery life (CR123A 3V) up to 10 years
- Operation independent of mains power supply
- Suitable for indoor environments with relative humidity up to 93±3%
- Operational temperature range: 0°C to +55°C
- **Complies with EN 14604 standard for standalone smoke detectors**
- Supplied with EU Declaration of Conformity in accordance with **RED Directive 2014/53/EU** (CE marking)