

# Intelligent Heat Alarm

Temperature monitoring for optimal fire detection



The Intelligent Heat Alarm ensures that your customers can sleep peacefully, without ever having to worry about fire. The alarm can be installed where smoke or fumes are part of the atmosphere to prevent false alarms.

A heat-based fire alarm is specifically useful in environments where traditional optical smoke sensors would cause false detections, due to smoke, fumes, etc.

The Intelligent Heat Alarm is designed for installation in private homes or garages with a smoky, dusty, or humid environment, as for example, a kitchen, living room with wood burning stove, garage area, or washing and drying area.

## Key features

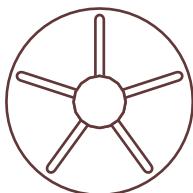
- Fire sensor
- IAS Zone
- Temperature sensor
- Zigbee certified

## Wireless heat detection and remote notifications

The thermo-sensitive detector with wireless communication detects both rapidly increased heat and absolute heat levels. In case of fire, the Intelligent Heat Alarm will release a high-pitched sound as a warning. By interconnecting several Intelligent Heat Alarms, the users will hear the alarm sound no matter where in the house they are.

Should the heat alarm be triggered while nobody is home, the customer will be notified immediately through their home security system ensuring that fires are recognized and can be fought quickly.

The Intelligent Heat Alarm is battery powered and easily mounted to the ceiling.



5 years battery lifetime

85 dB siren

Secure communication

# Intelligent Heat Alarm

## Technical specifications

Model number: HESZB-120



### General

Dimensions (Ø x H)

Ø 65 x 40 mm

Weight

58.3 g (with packaging: 108 g)

Color

White

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Power supply

Battery: 1 x CR123A, exchangeable

Battery life: 5 years, reporting every 5 minutes  
Battery level and low battery warning can be reported

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Radio

Sensitivity: -92 dBm

Output power: Typ. +4 dBm

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Environment

IP class: IP20

Operation temperature 0 to +50°C

Relative humidity up to 95% non-condensing

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Range

Minimum 100 meters (open field)

### Functionality

Fire sensor

Heat based fire sensing

Siren output 85 dB/3m

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Temperature sensor

Range: 0 to +50°C

Resolution: 0.1°C (accuracy Typ  $\pm 0.5^\circ\text{C}$  and Max  $\pm 2^\circ\text{C}$ )

Sample time: config.: 2 s - 65,000 s

Reporting: configurable

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### Communication

Wireless protocol

Zigbee Home Automation

Zigbee end-device

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### Certifications

Conforming to CE, RED and RoHS directives

EN 54 and DIN 14676 certified

Zigbee Home Automation 1.2 certified

