Wireless heat detector AHD

Benefits

- Triggers an alarm if the temperature rises rapidly and if it exceeds 58 °C
- Wireless transmission, cyclically (function check) and in the case of state transitions
- Compact, unobtrusive design
- Design as per EN 54-5 class A1/R

Application

For detection of heat and fire in living spaces. Audible alarm and direct transmission to the AFRISOhome gateway if the temperature rises rapidly or if it exceeds 58 °C. AHD is ideal for use in rooms subject to generation of smoke or vapour (such as kitchens, bathrooms) or in rooms which dust, dirt and exhaust gases can develop (such as workshops, garages). Recommended if smoke alarms cannot be used due to possible false alarms.

Versions

	Part no.
Wireless heat detector AHD 10	61550
Wireless heat detector AHD 20	61553
Sensor head heat detector AHD SH	61551

Blue part no. = in-stock items

Description

The heat detector AHD consists of a sensor head and a mounting base with integrated EnOcean® wireless module. The sensor head features a permanently installed lithium battery with a service life of up to 10 years for reliable, long-term fire protection. A fire alarm is indicated by a flashing LED and a sound sequence with the maximum alarm sound pressure of 85 dB. The alarm is also transmitted via the EnOcean® wireless module. A photovoltaic cell generates the required energy. A battery can be inserted in the base for use in darker environments. Each heat detector has a unique ID so that the recipient can distinguish the individual heat alarms if multiple sensors are used. The AFRISOhome gateway lets you program a great variety of scenarios for an alarm, for example switching on the lights for the escape route, opening of shutters for escaping, push messages, etc. The EnOcean® wireless module is not only used for transmission, but also for regular function checks.
AHD 10 with transmission of heat alarm and current room temperature.
AHD 20 with transmission of heat alarm and battery status of mounting base.

Technical specifications

Operating temperature range

Ambient:	-10/+50 °C
Storage:	-20/+60 °C
Humidity:	Max. 90 % rH, Non-condensing

Measuring range

Temperature:	0/40 °C
Accuracy:	± 1 K

Supply voltage

Sensor head:	Permanently installed lithium battery
Hours of operation:	Bis 10 Jahre
Base:	Energy harvesting (via photovoltaic cell)
Base:	1 x 3.6 V 1/2 AA lithium battery
Base:	(at daylight of less than 200 lx)

Housing

Plastic housing (PC/ABS)

Colour:	White, similar to RAL 9003
⌀ x H:	86 x 45 mm
Weight:	38 g
Degree of protection:	IP 30 (EN 60529)

EnOcean® wireless

EEP

AHD 10:	A5-30-03
AHD 20:	F6-05-02
Frequency:	868.3 – 868.3 MHz
Transmission power:	Max. 10 mW
Range:	10 – 30 m
Range:	depending on room arrangement and materials in the building

Approvals

EN 54-5, class A1/R for heat detection systems

Scope of delivery

- Wireless mounting base
- Sensor head heat detector
- Mounting accessories