ZENNER

Smoke alarm EASY PROTECT Radio with LoRaWAN® radio interface

approved in accordance with DIN EN 14604

The EASY PROTECT Radio smoke alarm was specially developed for use in radio remote reading systems and offers optimum protection. The annual remote inspection via radio saves the annual on-site appointment. The detector's innovative environment monitoring detects objects located within a radius of up to at least 50 cm.

Performance characteristics at a glance

- Optical detection technology with additional thermo-sensor for early detection of fire smoke
- Built-in, non-removable long-life battery with a service life of 10 years
- Modern design 130 mm in diameter and 40 mm in depth
- Test button for muting false alarms and suppressing non-safety-relevant acoustic error messages for up to 65 hours
- Loud alarm with min. 85 dB (A)
- Event log with all key equipment parameters
- Self-monitoring with error signal
- "Night-time reduction" to lower LED brightness and postpone error messages not relevant to safety; however, error readouts after 24 hours at the latest
- Field of application according to application standard DIN 14676 and approved according to device standard EN 14604
- CE certified to comply with the Construction Products Directive
- LoRaWAN®radio interface for remote inspection
- Comfort function: event-based LoRaWAN telegram when smoke is detected can be activated via downlink (from FW version 2.20)
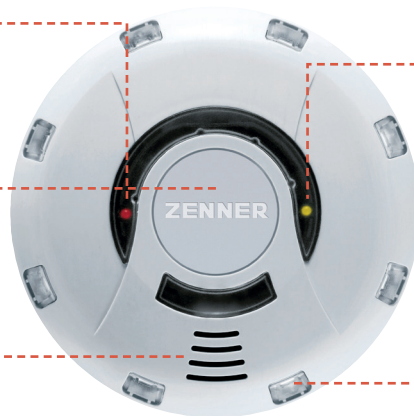
Approvals

- Approved for the field of application in accordance with DIN 14676 application standard which regulates the planning, installation, operation and maintenance of the smoke alarm
- Approved in accordance with DIN EN 14604:2005/ AC:2008, tested and certified by independent testing institute Kriwan Test Centre with the certification number 1772-CPR-170691
- Awarded the quality label Q, the detector meets the requirements of vfdb-Directive 14-01 (type testing, manufacturing facility monitoring according to AVCP system). Further information on the Q can be found at www.rauchmelder-lebensretter.de/rauchmelder-leit-faden/rauchmelder-mit-q-im-ueberblick/

KRIWAN TESTZENTRUM

EASY PROTECT Radio smoke alarm with LoRaWAN® radio interface

LED INDICATOR LIGHT (RED)
WITH NIGHT-TIME REDUCTION
shows whether the equipment is functioning

LARGE TEST BUTTON
to test and mute the device

SIGNAL GENERATOR
With min. 85 dB (A)

LED INDICATOR LIGHT (YELLOW)
WITH NIGHT-TIME REDUCTION
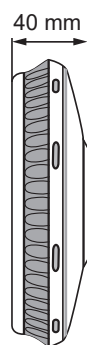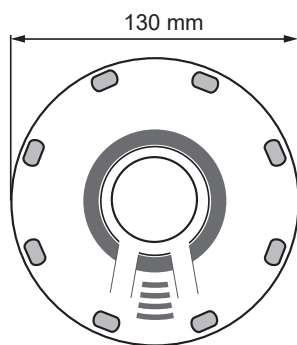for differentiation of error signals

ENVIRONMENT/DISTANCE MONITORING
Sensor technology for the detection of objects in the environment up to at least 50 cm, which can obstruct smoke penetration

Technical data LoRaWAN® radio interface

Transmission modes	LoRaWAN®, bidirectional, class A
Frequency	868 MHz
Encryption	AES-128
Transmission interval	daily
max. transmission power	25 mW

Possible status information / error messages

Battery error

Smoke chamber pollution (forewarning)

Smoke chamber pollution

Test button failure

Horn drive failure

Removing detection

Test alarm released

Smoke alarm released

Ingress apertures obstruction detected

Object in the surroundind area detected

LED failure

Telegram content

Serial number

Error code

Current device status

Device status from the day before including a timestamp

130 mm

40 mm

Dimensions

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