



## LoRaWAN detector TG563A: The smoke detector that saves lives.



Remote inspection LoRaWAN

Even a small spark can destroy big things. With the LoRaWAN detector TG563A you are always on the safe side.

**:hager**

# LoRaWAN detector TG563A: The smoke detector that saves lives.



## Advantages

### 10-year battery life

No time-consuming maintenance or battery changes required. Simple and reliable.

### Wireless connection

Works via the LoRaWAN and can be easily integrated into existing security networks.

### Alarm system

Acoustic signal (85 dB) and visual warning when smoke is detected.

### Self-monitoring

Permanent monitoring for malfunctions and soiling.

### Tamper detection

Signals if the detector is removed or tampered.

### Environmental detection

Adapts to its surroundings and can also be installed in challenging environments.

### Easy installation

Ceiling or wall mounting with an operating temperature range of +10 °C to +40 °C.

### LoRaWAN

LoRaWAN uses a 128-bit AES encryption key to secure communications. This key ensures that data transmitted between devices and the network is encrypted end-to-end, protecting it from unauthorised access and tampering. Each device is assigned a unique key, reinforcing the security and integrity of the network.

### Options for managing the LoRaWAN network

Trigger a "join" via "downlink".

If the network is lost, a join is automatically generated.

### Commercial warranty

5 years

## Technical data

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Type of detection: optical smoke detector

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Detection area:

- average: 50 m<sup>2</sup>

- maximum: 60 m<sup>2</sup>

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Use: indoors

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Mounting height: maximum 6 m

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Mounting: wall and ceiling

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Power supply: 3 V lithium battery, sealed, non-replaceable, 10-year service life

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Signalling (red LED):

- signal status

- malfunctions (red LED)

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Alarm sound level: Buzzer: 85 db at 3 m, attenuated level for test alarm: 75 db at 3 m distance

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Operating temperature: +10 °C to +40 °C

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Storage temperature: +5 °C to +60 °C

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Protection rating: IP30

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Dimensions (D x H): 129 mm x 50 mm

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Weight: 255 g

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Test button functions:

- Detector deactivation for 15 min

- malfunction report and acknowledgement

- manual smoke detector function test

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LoRaWAN:

- Supported regional parameters: EU863-870

- Supported Classes: Class A (bidirectional)

- LoRaWAN specification: 1.0.4

- Radio connection: 863 MHz – 870 MHz, max. 25 mW, Duty Cycle: 0.1 %

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Normes/Standards:

EN 14604:2005/AC:2008

RED 2014/53/EU

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