

P56500S



GB | Smoke Detector



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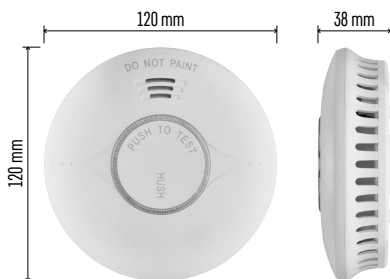
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This manual contains important safety information regarding the installation and operation of the detector. Read this manual carefully and store it safely for future use. Familiarise other residents of the building with the operation of the detector.

Create an evacuation plan for the event of a fire and do a drill every month. All residents of the building should be familiar with the detector's signals in order to be able to immediately react to them. The detector allows the detection of smouldering flames accompanied by thick black smoke, which can take hours before they turn into a large fire.

Attention:

If construction work causing a large amount of dust is taking place on your premises, you should dismount the detector from the mounting cover to protect it from dirt. If you cannot do so for any reason, cover the openings of the detector for the duration of work by a plastic bag or a similar covering. A covered detector will not detect smoke. Uncover it every day after work is finished.



Technical information

Sensor type: photoelectric cell

In accordance with standard EN 14604:2005
+ AC:2008

Device life: 10 years

Operating temperature and humidity: 0 °C to
+40 °C, 5 % to 95 % (without condensation)

Acoustic signalisation: > 85 dB at a distance
of 3 m

Power supply: 2× 1.5 V AA batteries

Power consumption: < 8 µA in standby mode,
< 60 mA in alarm mode

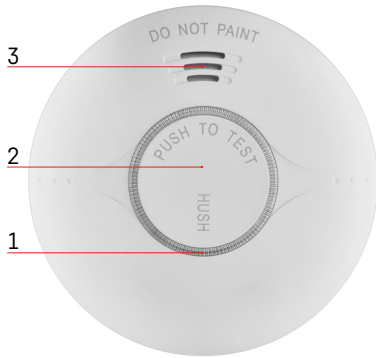
Wi-Fi/Bluetooth frequency: 2.4 GHz, max. 25 mW
e.i.r.p.

Smoke detection sensitivity: 0.10 to 0.16 dB/m

Dimensions: 38 × 120 mm

Weight: 124 g





Detector Description

- 1 – LED
- 2 – main button
- 3 – loud siren



Installation

Must be installed by a competent person.

The person performing the installation is responsible for installing the product in accordance with valid regulations.

When in doubt, leave the installation to a qualified professional.

The detector is not designed for use in camper vans.

Ideally, a smoke detector should be installed in every room of the house with the exception of kitchens, bathrooms and garages.

Each floor of the house, including the stairs, should have at least one smoke detector installed.

A smoke detector should be located in a place where you can hear it even when you are sleeping, e.g. in the hall in front of the bedroom.

Install a detector on the ceiling of each bedroom and the hall in front of the bedroom.

If the hall is longer than 9 m, install a detector on both ends.

If you have a multi-storey house, install a detector in the same manner on each floor.

You will be protected even against smoke rising up the stairs from the bottom floor.

In the cellar, install a detector on the ceiling at the bottom of the stairs.

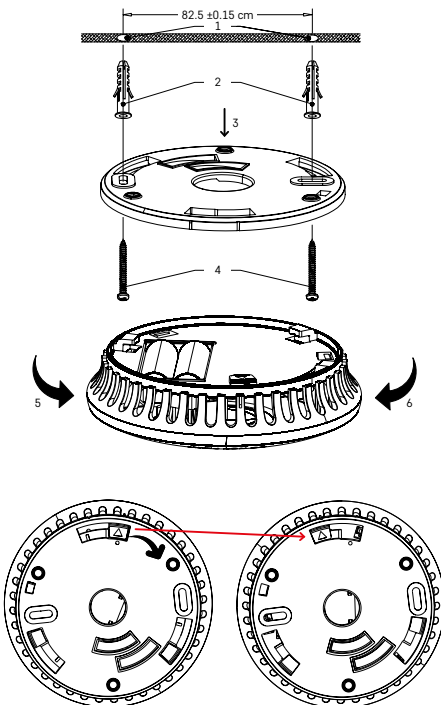
Do not install the detector in bathrooms or kitchens; the steam from water or food could cause false alarms.

In the garage, the alarm could be triggered by the exhaust from your car.

The ventilation openings of the warning device must not be covered up.

Do not spray aerosol agents in the vicinity of or onto the warning device.

Do not paint the warning device.



- 1 – holes in the ceiling
- 2 – wall plugs
- 3 – mounting cover
- 4 – screws
- 5 – tightening direction
- 6 – loosening direction

Mounting the Device on a Wall

Drill two holes (\varnothing 5 mm) into the wall (1); the distance between the holes should be 82 mm. Insert the attached wall plugs (2) into the holes, place the mounting cover (3) and attach it to the wall using screws (4). Put batteries into the detector and test its functionality, see Test Mode. If the detector is operational, place the back of the detector against the mounting cover, sliding it onto the two protrusions, then turn it (5, 6).

Note:

National regulations vary in terms of the number and location of smoke detectors. When in doubt, contact the fire brigade or other relevant authority in your country.

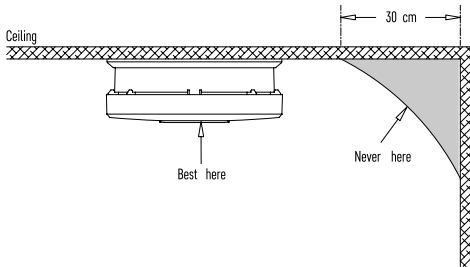


Diagram 1

Drawing of Suitable Placement of the Detector

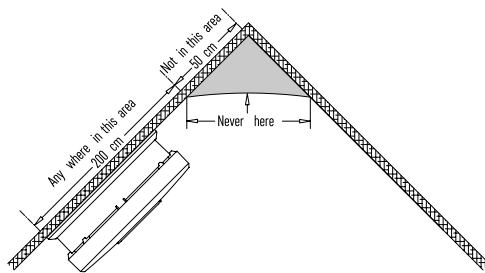


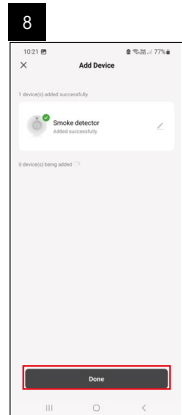
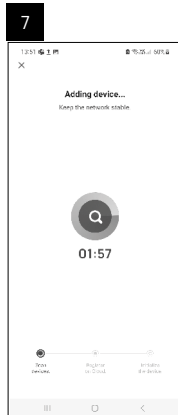
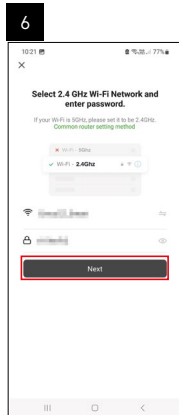
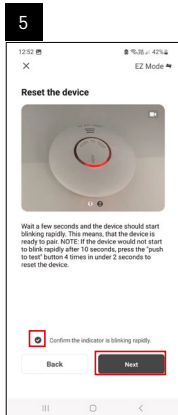
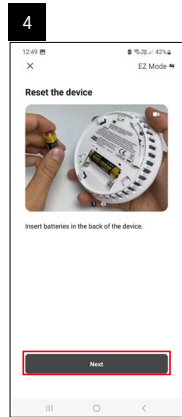
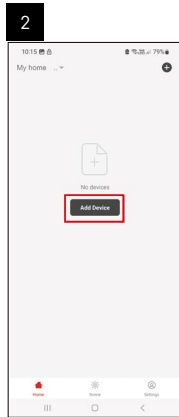
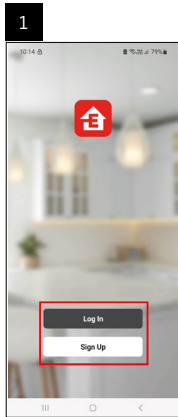
Diagram 2

Mobile App

The device can be controlled using a mobile application for iOS or Android. Download the EMOS GoSmart app for your device.



Tap the **Log In** button if you've used the app before. Otherwise, tap the **Sign Up** button and register.



Pairing the Detector with the App

Insert batteries into the detector; pairing mode will activate automatically within 10 seconds and will last for 4 minutes.

The red LED on the front of the detector will start flashing.

Activate Bluetooth and GPS on your mobile device.

Tap **Add Device** in the app.

Tap the **GoSmart** list on the left and tap the P56500S icon.

Follow the instructions in the app and enter the name and password for your 2.4 GHz Wi-Fi network.

The detector will pair with the app within 2 minutes; the red LED will stop flashing.

Note:

If the detector fails to pair, repeat the process.

5 GHz Wi-Fi networks are not supported.

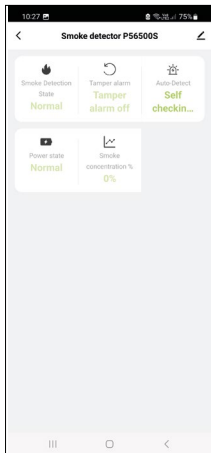
If the detector is already paired with the app, pairing mode will not activate automatically after removing/replacing the batteries. You'll have to activate it manually, see Manual Activation.

Manual Activation/Deactivation of Pairing Mode

Press the main button 4× within 2 seconds; pairing mode will activate for 4 minutes.

A beep will sound and the red LED will start flashing.

To deactivate pairing mode, press the main button 1×; the LED will stop flashing.



Description of the App's Main Menu

1. Detector status (normal or alarm mode)

- the app displays a warning message in the event of alarm activation

2. Removal warning

- the app displays a warning message in the event the detector is removed from the mounting cover

3. Auto test notification

- the app displays a warning message when a test of functioning of the detector is performed

4. Battery state of charge

- the app displays a warning message when the battery voltage drops < 2.6 V

5. Smoke concentration in %

- the app displays a warning message indicating smoke concentration
0%/25%/50%/75%/100%/125%/150%/175%/200%/225%/250%/255%
Alarm mode activates at concentrations of > 100 %



Putting the Device into Operation

Insert batteries (2× 1.5 V AA) into the battery compartment on the back.

Use 1.5 V alkaline batteries only.

Never use 1.2 V rechargeable batteries; the device will not function due to the lower voltage.

Make sure to insert the batteries properly and with the correct polarity!

If the batteries are not inserted or are inserted incorrectly, the mounting cover will not fit onto the detector!

Once the batteries are inserted, the red LED on the front of the detector will start flashing within 10 seconds, indicating automatic activation of pairing mode; finish pairing the device with the mobile app.

After pairing, perform a function test using the main button.

Long-press the main button; 3× short beeps must sound at a 1.5 s interval while the button is held.

That means the detector is working correctly.

If the detector is operational you will see 1× LED flash every 48 seconds.

If you hear no sound after pressing the test button, there is likely a malfunction and you must contact the service centre, or the battery is flat.

TEST MODE

You can test the functioning of the detector whenever needed or during every battery replacement.

Long-press the main button for ca. 5 seconds; the detector will beep 3× in a row (then a 1.5 second pause will follow) and a red LED will flash.

If the detector makes no sound, check that the battery is operational and the detector is installed correctly.

Use test mode 1× a week to make sure the alarm is operational.

Note:

The acoustic and optical alarm during testing is only used as indication that the detector is operational. It does not mean that the presence of smoke has been detected.

FAULT STATE

If the detector is in fault state, it is not functional.

Fault state is indicated by 1× beep every 48 seconds.

Immediately replace the battery and check that the detector is undamaged; clean the openings of the detector using, for instance, a vacuum cleaner. Do a function test.

If the fault state persists even after the battery has been replaced, contact the service centre.

FLAT BATTERIES

If the batteries in the alarm are flat, it is indicated by a simultaneous beep and flash of red LED every 48 s at least 30 days before the batteries run out. Immediately replace the batteries. Use alkaline batteries only; do not use rechargeable batteries.

Do a function test.

It is recommended to replace batteries 1× a year as a precaution.

END OF LIFE OF THE DETECTOR

The detector has a service life of 10 years since production.

After expiration, the detector must no longer be used and must be replaced with a new device.

The replacement date for the detector is listed on the label on the back, next to "Replace device".

If you are using multiple detectors, remember to check their replacement dates!

ALARM WARNING

If smoke is detected, the detector will start emitting an acoustic + optical signal.

The detector will begin continuously and simultaneously beeping (3× beeps – pause) and flashing its red LED.

The alarm will be active until the air clears.

If an alarm triggers, immediately evacuate the building and make sure all other people have left as well.

Do not stop to call in help or gather your belongings.

Contact the corresponding emergency service.

Wait until the air clears.

Do not remove the battery to stop the alarm mode – this will deactivate the alarm!

MANUAL SILENCING OF ALARM

The acoustic signal of the alarm can be temporarily silenced.

Press the main button; the acoustic signal will be silenced for 8 minutes.

The silencing will be indicated by 1 flash of the red LED every 8 seconds.

Only use the silence function in the event of false alarms caused, for instance, by steam, vapour from cooking or burnt food. Wait until the air clears.

Do not remove the batteries to stop the alarm mode – this will deactivate the detector!

Overview of Possible Fault States of the Detector

State	Solution
Test mode not functioning	<ol style="list-style-type: none">1. Check that the battery is connected correctly.2. Clean the detector.3. If the fault persists, return the device.
Alarm indication by a simultaneous 1× beep/1× flash of the red LED every 48 seconds	The batteries are flat; replace them.
The alarm beeps every 48 seconds (the detector is in a fault state).	<ol style="list-style-type: none">1. Clean the detector.2. Return the device or replace it with a new one.
The device randomly emits a different alert sound than usual.	<ol style="list-style-type: none">1. Clean the detector and perform a function test.2. Relocate the detector.3. Return the device or replace it with a new one.



Upkeep and Maintenance

The product is designed to serve reliably for many years if used properly. Here are some tips for proper operation:

- Read the manual carefully before using this product.
- The product must be replaced with a new one after 10 years; see replacement date on the back.
- Regularly clean the product – at least 1x a month. Carefully clean any dirt and dust from ventilation openings of the product with a vacuum cleaner.
- Do not paint the product.
- Do not expose the product to direct sunlight, extreme cold or humidity, and sudden changes in temperature. This would reduce detection accuracy.
- Do not place the product in locations prone to vibrations and shocks – these may cause damage.
- Do not subject the product to excessive force, impacts, dust, high temperatures or humidity – doing so may cause malfunction, shorten battery life, damage the batteries or deform the plastic parts.
- Do not expose the product to rain or high humidity, dropping or splashing water.
- Do not place any open flame sources on the product, e.g. a lit candle, etc.
- Do not put the product in places with inadequate air flow.
- Do not insert any objects in the product's vents, do not cover up the product.
- Do not tamper with the internal electric circuits of the product – doing so may damage the product and will automatically void the warranty. The product should only be repaired by a qualified professional.
- To clean the product, use a slightly moistened soft cloth. Do not use solvents or cleaning agents – they could erode the plastic parts and cause corrosion of the electric circuits.
- Do not immerse the product in water or other liquids.
- In the event of damage or defect of the product, do not make any repairs by yourself. Bring it for repair to the shop where you bought it.
- This device is not intended for use by persons (including children) whose physical, sensory or mental disability or lack of experience and expertise prevents safe use, unless they are supervised or instructed in the use of the appliance by a person responsible for their safety. Children must always be supervised to ensure they do not play with the device.

Service centre:

EMOS spol. s r.o.
Lipnická 2844
Přerov
750 02

Plant:

Zhejiang Jiaboer Electronic Technology Co., Ltd
NO.606 South Daqiao Road, Dayuan Town,
Fuyang District, Hangzhou City, Zhejiang Province,
China.

A declaration of conformity has been issued for this product.

You can find the manual at: <http://www.emos.eu/download>.

Hereby, EMOS spol. s r. o. declares that the radio equipment type TSS380C-HW is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:

<http://www.emos.eu/download>.

