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Rauchwarnmelder/smoke detector
Leistungserkl./DoP: LE-51113.2



Photoelectric smoke alarm device

Article no. 51113

Mounting and operating instructions

**Prior to using the smoke alarm device for the first time,
carefully read through all mounting and operating instructions.**



The photoelectric cell installed in the stabo smoke alarm device checks the ambient air for smoke particles which occur in the event of a fire. Both an optical (rapidly flashing LED) and an acoustic (piezosiren 85 dB (A)/3m) alarm is triggered if a certain smoke particle concentration is reached.

Fire and a smoldering fire in particular often lead to a persistent smoke emission with toxic flue gas before outbreak of flames. For this reason, an early detection of home fires with the help of smoke alarm devices can save lives and avoid high property damage.

However, the alarm signaling device cannot detect neither heat, nor gas nor fire. By using a smoke alarm device, a fire can neither be avoided nor extinguished.

Important safety notes and warnings

- Assure the best possible coverage of your entire living space with smoke alarm devices: One smoke alarm device is only able to early detect smoke particles in a certain area!
- Install the smoke alarm device in a fairly accessible place (cleaning/tests)!
- The housing of the smoke alarm device may neither be coated, nor painted, nor may something be stuck on it! In any case, the openings of the housing must always remain free and open!
- Keep your smoke alarm devices clean and vacuum clean the openings once a month.
- Every smoke alarm device should be checked once a month.
- If a smoke alarm device emits a beep approx. every 35 seconds, the battery capacity is low. Exchange the battery immediately and perform a function test afterwards.
- Present the smoke alarm device to all residents such that the alarm signal is well known and can be reliably distinguished from other buzzers or (door) bells installed in the house.
- Replace the smoke alarm device at the very latest after 10 years.

Preventing fire

- Keep matches and lighters in a safe place that cannot be reached by children!
- Never leave a burning candle unattended!
- Do not smoke in your bed – especially not if you are very tired or under the influence of alcohol or drugs!
- Make sure that your electrical devices/systems/cables are always in a perfect technical condition. Immediately exchange, for instance, damaged cables/defective plugs!
- Do not overload electric circuits (e.g. by connecting different devices to multiple sockets and putting them simultaneously into operation).
- Store highly flammable materials only in containers as specified by law.
- Take care that open fireplaces, chimneys, and grills are always clean and that combustible material is kept at a safe distance!

Creating an escape plan

- Draw up a ground plan of your house and, if possible, specify two escape routes.
- Explain the meaning of the smoke alarm device above all to children and needy persons and tell them that in case of an emergency, they have to leave the house/flat as fast as possible and, if necessary, on their own.
- Regularly discuss and practice the proper behavior in case of fire (see below) and perform a fire drill every six months.
- Specify a meeting point at a safe distance from the house. It is essential that all residents keep to this meeting point!
- Specify a location outside of the house from where you are able to rapidly call the fire brigade!
- Keep always a functioning fire extinguisher readily available and show its proper handling to all residents living in the house!

Behavior in case of fire

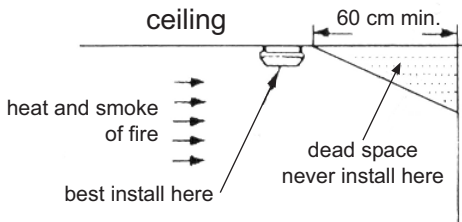
- Don't panic!
- If necessary, alert the other residents as well.
- Leave the house as fast as possible! Do not waste time by dressing yourself or by taking valuables with you.
- Open the doors very carefully (they could be hot!). If the doors are already hot, choose another escape route if possible.
- Hold a cloth (a humid cloth if possible) in front of your mouth and nose.
- Stay as close as possible to the floor and, if necessary, crawl on all fours (smoke and toxic gases tend to go upward!).
- Call the fire brigade as soon as possible!
- Never return into a burning or smoke-filled house! Proceed immediately to the agreed meeting point!

Installation and mounting

For assuring the minimum coverage of your home, one smoke alarm device should be installed respectively in the hallway/on the stairs and in every bedroom, for providing additional protection in the living room and/or rooms equipped with electrical devices (e.g. TV or computer room).

Install the smoke alarm device always on the ceiling, if possible in the middle.

If this is not possible, make sure to install the smoke alarm device at a minimum distance of 50 cm from the wall and of 60 cm from the corner of the room (see diagram).



The smoke alarm device should not be installed in

- kitchens (smoke emission when cooking or baking might lead to a false alarm)
- garages (combustion residues when starting the car might possibly lead to a false alarm)
- humid rooms as for instance bathroom/shower (a humidity above 85 % might lead to a false alarm)
- very cold (below 5 °C) or very warm (above 45° C) rooms
- very dusty/dirty rooms (the sensor chamber can be polluted and clogged by dust/dirt thus hindering the proper functioning of the sensor). In rooms which are exposed to dust, it is essential that the alarm signaling device is often vacuum cleaned and checked!
- the immediate proximity of fluorescent tubes
- gables of pointed roofs

Mounting and commissioning

Drill the appropriate two holes for the fixing screws at the mounting position (please use the enclosed dowels for an installation on a masonry or gypsum subsurface) and screw down the mounting.

Insert the enclosed 9 V block battery into the battery compartment and attach the battery clip to the battery.

Turn the smoke alarm device on the mounting, until it locks in.

If the LED flashes slowly (approx. every 35 sec.), the smoke alarm device is operable.

Function test

The smoke alarm device is equipped with a test button. After having installed the smoke alarm device, you should necessarily perform a function test!

Do not expose your ears directly to the alarm signal, but hold the device at arms length and press the test button (for approx. 5 sec.) until the alarm signal sounds and the LED flashes rapidly.

Test your smoke alarm device regularly (at least once a month) as well as after a long absence (holiday trip or the like).

Exchanging / replacing the alarm system

The power supply of the stabo smoke alarm device is provided through a 9 V block battery having a lifetime of approx. 1 year under normal operating conditions. If the battery capacity becomes weak, a clearly audible beep sounds every 30 - 40 seconds (warning duration: 30 days at least). In this case, immediately exchange the used battery!



Disposal instruction

Electronic devices and used up batteries are not to be thrown into the domestic waste. Please hand in the used batteries at your point of sale or at a public collecting point. Hand in the device at your municipal waste disposal company or a collecting point specialized in electronic scrap.

Technical data

Operating voltage:	9 V block battery
Acoustic alarm indication:	Piezosiren 85 dB (A) /3 m
Optical alarm indication:	LED flashes
Test function:	Test button with LED display
Temperature range:	approx. 4°C to 40°C

Disclaimer

stabo shall not be liable for loss and/or damage of any kind (including individual or consequential damage) resulting from the fact that the signal of the smoke alarm device was not activated in the presence of smoke or fire.

Furthermore, stabo shall also not be held liable for the consequences of false or deceptive alarms: Costs resulting, for instance, from operations of the fire brigades or key services are not covered.

Declaration of Performance (DoP) LE-51113.2:

http://stabo.de/fileadmin/DoP/DoP_RM_51113_DE_EN_A5_Xxx.pdf

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