Operating Instructions

Photoelectric Smoke Alarm,
tested in accordance with EN14604:2005/AC:2008

Thank you for choosing a Hama product. Take your time and read the following instructions and information completely. Keep these operating instructions in a safe place for future reference.

Installation

1. Ceiling
2. Heat and smoke from fire
3. Dead space! Do not mount here

It is best to mount the smoke alarm here.

Typical single-floor installation

- Kitchen
- Bedroom
- Bathroom
- Living room
- Bedroom

Smoker detector for minimum protection
Smoke detector for optimal protection

Typical multi-floor installation

- Bedroom
- Hall
- Bedroom
- Living room
- Family room
- Hallway

1. Package Contents
- Photoelectric smoke alarm with ZdS test mark
- Base plate
- Mounting equipment
- 9 volt battery, type 6F22/6LR61
- These operating instructions

2. Safety Notes:
- Do not use this device in moist environments and avoid splashes.
- Do not use the device in the immediate vicinity of heaters or other heat sources or in direct sunlight.
- Do not drop the device and do not expose the device to major shocks.
- Do not forcibly open the device.
- To ensure the device functions correctly, follow the mounting and installation information given in these operating instructions.
- Create an emergency escape plan (information can be found in these operating instructions).
- Replace dead batteries immediately.

3. Mounting Location

Note
- Install smoke alarms in the immediate vicinity of bedrooms.
- Smoke and combustion by-products rise upward to ceilings before spreading horizontally. The ideal mounting location is on the ceiling in the middle of a room.

- Keep bedroom emergency exits clear, as these rooms are commonly furthest away from outdoor exits.
- If bedrooms are located in more than one section of the house, use additional smoke alarms accordingly.
- In stairways, install the smoke alarm at the top of the stairs as a chimney effect often occurs, rapidly drawing smoke into the upper floors.
- For your personal safety, it is best to mount a smoke alarm on every floor of the building.
- Install smoke alarms in rooms where people smoke, where electrical devices are located or where open fires (fireplaces, candles) are present.
- Ensure when mounting that the smoke alarm is positioned at least 50 cm from side walls and 60 cm from corners (see Figure 1).

4. Unsuitable Mounting Locations
- Kitchen – kitchen vapours can inadvertently trigger the alarm.
- Garage – combustion by-products and exhaust fumes are produced when a vehicle is started.
- Close to heaters or air conditioners.
- At the highest point of pitched roofs (the attic).
- In rooms where temperatures fall below 5 °C or rise above 30 °C.
5. Emergency Escape Plan
- Create a plan for your flat/house which shows all doors and windows and which includes at least two escape routes from each room (if possible).
- Windows on upper floors require an emergency ladder.
- Discuss the emergency escape plan with your family and explain to each family member or guest what to do in case of fire.
- Specify a location outside of your house as a meeting point in case of a fire.
- Conduct regular fire drills. These exercises help you, and in particular your children, to exit the house as quickly and directly as possible in the event of real fire.

6. Behaviour When Alarm Sounds
- Leave the house immediately. Every second counts.
- Do not waste any time getting dressed or collecting valuables.
- When exiting the house, avoid opening any door that feels hot or underneath which smoke can be seen emanating. Use an alternative emergency exit.
- If the surface of the door feels cool, open it slightly. Be prepared to shut it quickly, however, if there is smoke or fire behind it.
- Stay down close to the floor if the air is filled with smoke.
- Breathe through a moistened towel.
- After leaving the house, go to your prearranged meeting place and ensure that all persons have left the house.
- Call the fire department from a neighbour’s house – not from your own house if at all possible!
- Do not re-enter your house until the fire department allows you to do so.

7. Mounting the Base Plate
- Hold the base plate of the smoke alarm against the ceiling – the two mounting holes can be used to mark the position of the drill holes.
- With a wooden ceiling or beams, drill approx. 20 mm deep using a 2.5 mm drill bit. Use the supplied screws without anchors.
- For cement or brick, use a bit with max. 5 mm diameter (measure the supplied anchors before) and drill approx. 25–30 mm deep so that the anchors can be inserted.
- Attach the anchors (for cement or brick).
- Attach the base plate of the smoke alarm using the two screws supplied.

8. Startup and Operation
The smoke alarm system is functional as soon as batteries are inserted. If combustion by-products are detected in the air, a loud alarm tone sounds. The alarm stops as soon as the air is free of smoke. Decibel levels in alarm mode: min. 85 dB(A).
- Insert the batteries.
- Attach the smoke alarm to the base plate, which is mounted on the ceiling, by guiding the snap-in hooks into the intended openings and rotating the smoke alarm clockwise.
- Check that the smoke alarm is securely attached to the base plate.

9. Care and Maintenance
- Test:
Press the test button on the smoke alarm for approx. 4 seconds until the alarm sounds. The alarm sound if the electronics, sensors, horn and battery are all functioning properly. If no alarm sounds, the battery may be dead.
- Replacing the batteries
The operating life of a 9 volt battery in this smoke alarm is about one year. The smoke alarm indicates that the battery is dead by emitting an acoustic signal (every 30–40 sec.). This signal will be emitted for at least 30 days.
- Recommended batteries
- Carbon-zinc types: Eveready #216; Gold Peak #1604P (UL);
  Gold Peak #1604S; Gold Peak #1604S;
  Premium #G6F22
- Alkaline types:
  Eveready Energizer #522;
  Gold Peak #1604A; Duracell #MN1604;
  Vinnic AM9V

- Care
In rooms and areas where large amounts of dust accumulates, clean the smoke alarm regularly using a vacuum. If you are painting your flat, ensure that no paint gets on the smoke alarm.

Note
Please note that the smoke alarm is equipped with a safety catch that prevents you from attaching it to the base plate if no battery has been inserted.
- If the smoke alarm does not click cleanly into place on the base plate, ensure that the battery is inserted properly.

5. Note – False alarm
- Cigarette smoke will generally not trigger the alarm unless the smoke is blown directly at the smoke alarm.
- Steam caused by cooking can trigger an alarm if the smoke alarm is located close to a cooking area.
- If an alarm is triggered, verify whether or not a genuine emergency situation exists.
- If fire or smoke is present, call the fire department and behave in the manner described under Item 6.

6. Warning
- Smoke alarms do not work without batteries.
- If you hear a faint sound every 30–40 seconds, replace the batteries immediately.
- Test the functionality of smoke alarms on a weekly basis by pressing the test button.

10. Warranty Disclaimer
Hama GmbH & Co KG assumes no liability and provides no warranty for damage resulting from improper installation/mounting, improper use of the product or from failure to observe the operating instructions and/or safety notes.

11. Service and Support
Please contact Hama Product Consulting if you have any questions about this product.
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