INVISIBLE 5 YEAR SMOKE ALARM
User Manual

S05-1-1000

5 YEAR

88(±2) dB

10min Alarm Pause

PLEASE READ THIS USER MANUAL CAREFULLY BEFORE USE AND RETAIN IT FOR FUTURE USE!
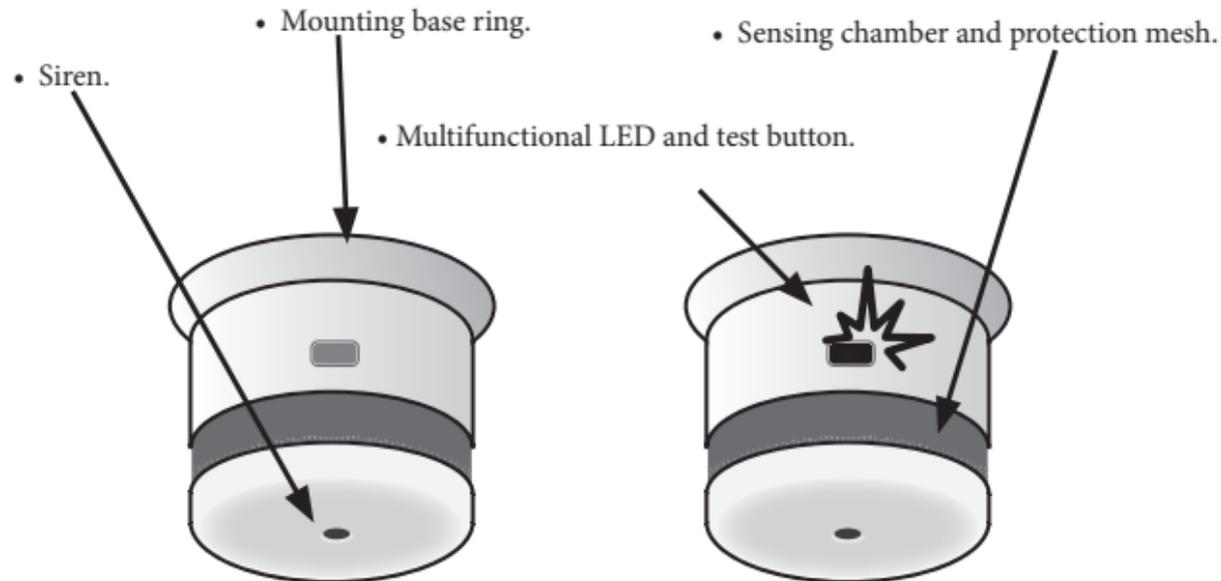
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FOREWORD

We're pleased you have chosen to install the Cautiex smoke alarm in your property. You've made a good choice. This smoke alarm has been developed with design in mind and the greatest care to deliver you a flawless experience.

Your Cautiex smoke alarm is a stand-alone smoke alarm for private homes, mobile homes and caravans. It's not viable for industrial or non-residential applications and it's not recommended for boats.

Your Cautiex smoke alarm neither is able to prevent fire nor is it able to clear fire. It's designed to warn you of deadly smoke which occurs during fire and supply you with the needed time to escape into safety.

TECHNICAL DETAILS
PRODUCT OVERVIEW

- Mounting base ring.
- Sensing chamber and protection mesh.
- Siren.
- Multifunctional LED and test button.

SENSOR TYPE

Your Cautiex smoke alarm is a photo electric smoke alarm based on infrared technology.
There is no radioactivity used to detect smoke, which makes this device environmentally friendly.
Your Cautiex smoke alarm neither detects heat nor does it detect fire.
To reliably detect smoke, the smoke has to reach your Cautiex smoke alarms sensing chamber.

BATTERY TYPE

- CR2 3V Lithium battery / 850 mAh (replaceable)

Your Cautiex smoke alarm is equipped with a CR2 3V Lithium battery designed to power the device for five years. To prevent malfunction and warranty loss, do NOT use other battery types.

PLACEMENT
WHERE TO PLACE

Your Cautiex smoke alarm must be placed in such a way that it is reachable by soaring smoke.
Place your Cautiex smoke alarm where it's reachable in order to maintain.
Check your local building code to find special regulations for smoke alarms concerning your area.

Your Cautiex smoke alarm has been developed for placement on the ceiling only. This means the device must NOT be mounted on walls and must NOT be placed on furniture like cupboards.

For proper functionality, your Cautiex smoke alarm must be placed at a minimum of 50 cm away from walls or other ceiling mounted objects.

To achieve full coverage, the maximum distance between two smoke alarms in one room should not exceed more than 10 metres.

Your Cautiex smoke alarm must NOT be placed at a high roof point. During a fire, hot air gathers at the centre of a high roof and prevents smoke reaching your Cautiex smoke alarms sensing chamber. Place your Cautiex smoke alarm between 50 cm – 100 cm away from the centre of your roof / gable for optimum results.

min. 50 cm
max. 100 cm
>20°
min. 50 cm   max. 10 meters
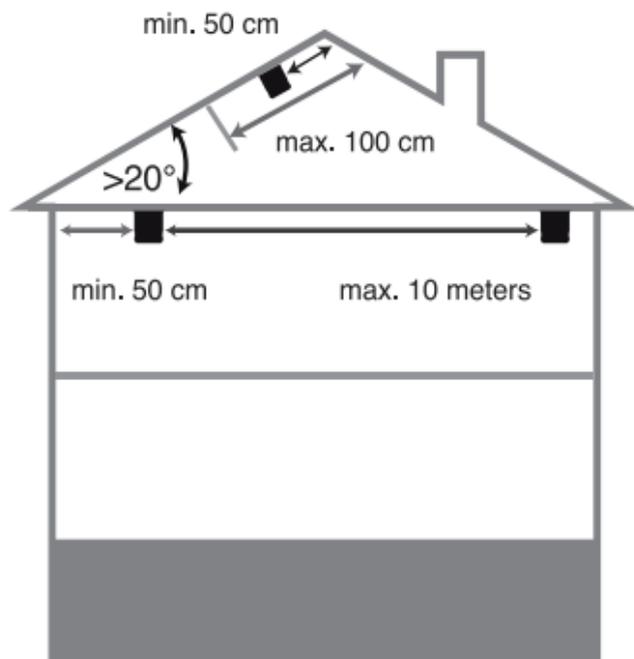
GERMANY
According to DIN14676:2012; smoke alarms have to be installed in:
- Bedrooms.
- Children's room.
- Corridors and/or stairways which serve as escape routes.
- Smoke alarms have to be placed in such a way that they can detect smoke early.

Hint: Additional smoke alarms in places like living rooms and / or home offices etc. increase the security.

■ minimum
minimum
minimum
minimo

□ optional
optional
optionnel
opzionale

✸ spezial
special
spéciale
speciale
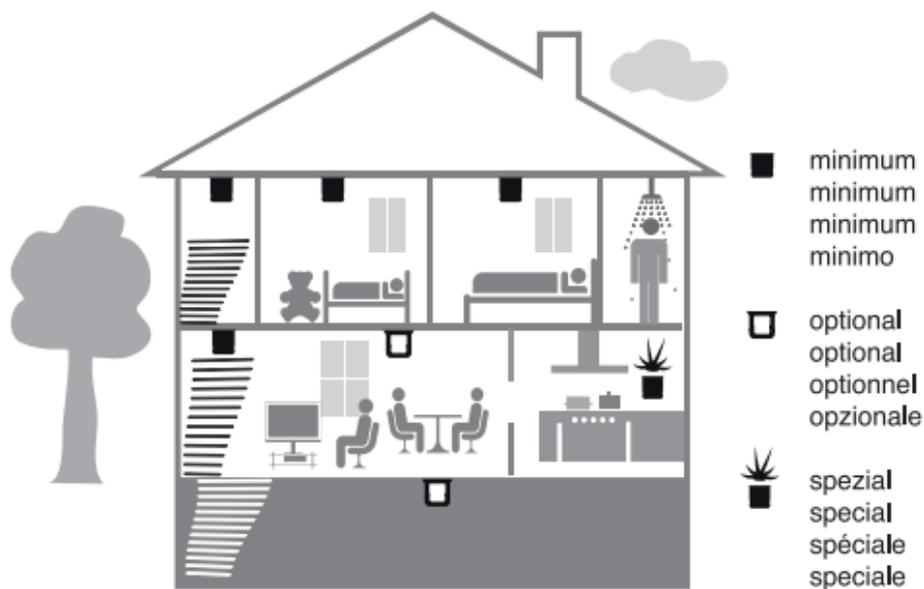
AUSTRIA

According to OiB-directive 2; smoke alarms have to be installed in:

- All habitable rooms; except kitchens.
- Corridors and / or stairways which serve as escape routes.
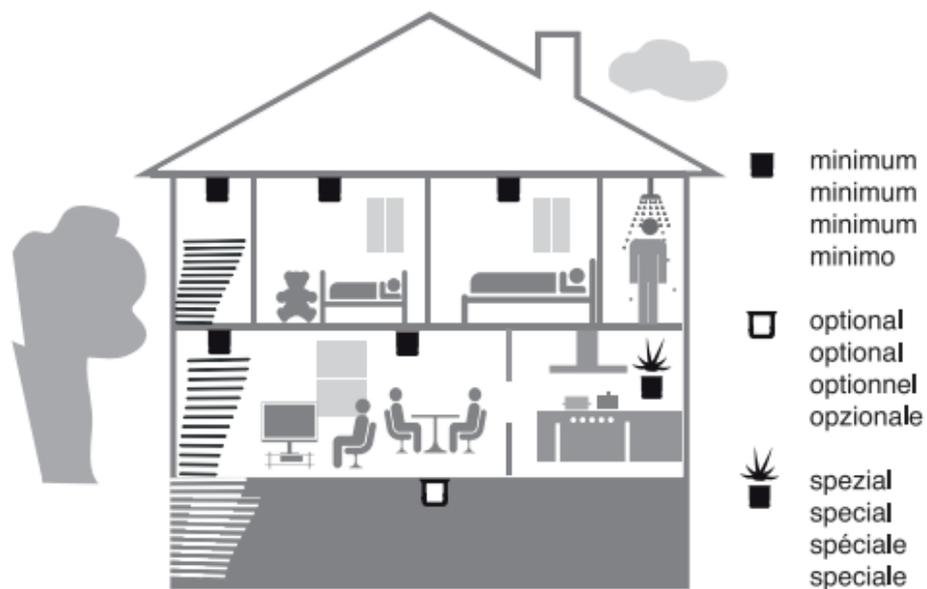- Smoke alarms have to be placed in such a way that they can detect smoke early.

■ minimum
■ minimum
■ minimum
■ minimo

□ optional
□ optional
□ optionnel
□ opzionale

✹ spezial
■ special
✹ spéciale
■ speciale

WHERE NOT TO PLACE

Your Cautiex smoke alarm should NOT be placed in bathrooms, kitchens or other humid areas where mist or cooking fumes can cause harm to the smoke alarm or trigger unwanted alarms.

To ensure proper functionality, your Cautiex smoke alarm should NOT be placed in areas with wild temperature fluctuations. The ambient temperature limits, lie within +4°C to +38°C. To avoid malfunction and harm to the device these temperature limits should NOT be exceeded or undercut regularly.

Do NOT place in areas where the humidity exceeds 90% relative non-condensing.

MOUNTING
DETACH FROM BASE

Detach your Cautiex smoke alarm from the mounting base ring by twisting the device counter-clockwise. You should feel the device has loosened and hear a "clicking" sound. Now you can remove your Cautiex smoke alarm from the mounting base ring.
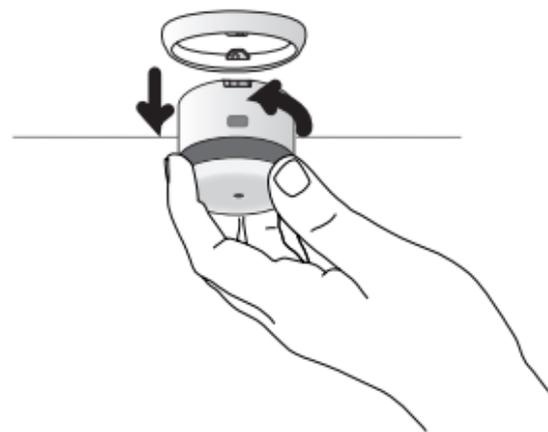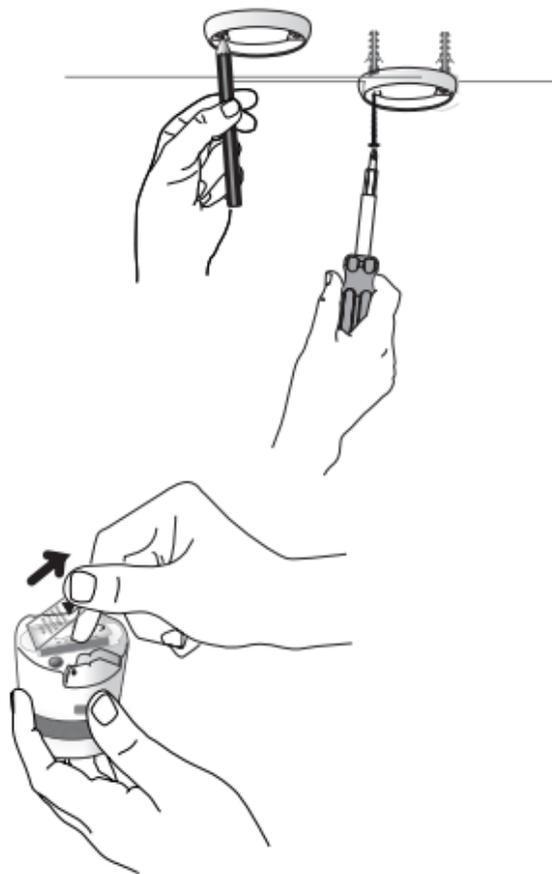
INSTALL MOUNTING BASE RING

Mark the drilling holes by using the mounting base ring as a pattern. Drill the holes with a correctly sized drill. Fit the screw anchors supplied with your Cautiex smoke alarm into the drilling holes. Now you can fit the mounting base ring to the ceiling using the screws supplied with your Cautiex smoke alarm. For flawless attaching / detaching, assure that the screw heads are flush with the mounting base ring screw holes.

ACTIVATE BATTERY

Before you fit in your Cautiex smoke alarm to the mounting base ring, make sure you have activated the battery. Pull out the battery isolation strip as shown.

ATTACH TO BASE

Attach your Cautiex smoke alarm to the mounting base ring, by fitting it in and twisting it clockwise. You should feel the device has tightened and hear a "clicking" sound.

Do NOT use brute force if your Cautiex smoke alarm does not fit into the mounting base ring. Due to safety reasons your Cautiex smoke alarm can't be mounted without a battery equipped.

Always test your Cautiex smoke alarms functionality after mounting / dismounting or battery change.

FUNCTIONAL TEST

The test routine includes a test of your Cautiex smoke alarms sensing chamber. To initiate a functional test of your Cautiex smoke alarm press the multifunctional LED and test button firmly. While pressing the test button your Cautiex smoke alarm emits a loud and penetrating sound pattern designed to warn occupants. The red LED on the multifunctional test button will begin to flash rapidly while being pushed.

The sound level of your Cautiex smoke alarm is 88+-2dB at 3 metres distance. To avoid injury, keep
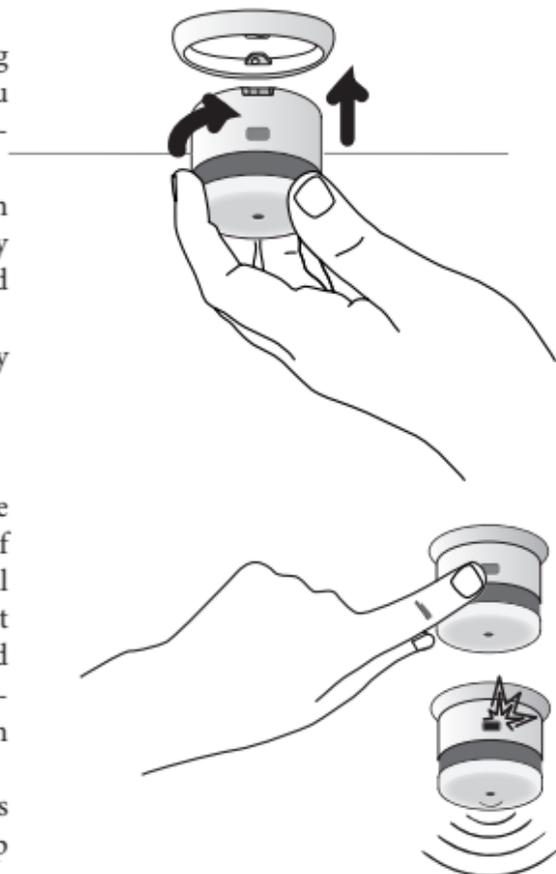
a reasonable distance between your ears and the Cautiex smoke alarm while testing the device.

If your Cautiex smoke alarm does not pass the functional test refer to the trouble-shooting section of this user manual (see page 8).

STATUS INDICATION
NORMAL STATE
In the normal state the multifunctional LED and test button on the side of your Cautiex smoke alarm will flash every 48 seconds. This indicates that your Cautiex smoke alarm is active and ready to warn you in case it senses smoke.

ALARMING STATE
During an active alarm your Cautiex smoke alarm will emit a loud and penetrating sound pattern designed to warn occupants. At the same time the multifunctional LED and test button on the side of your Cautiex smoke alarm will flash rapidly to indicate an alarm. Do NOT disregard an alarm case. Disregarding an alarm case can result in serious injury or death.

LOW BATTERY STATE
Your Cautiex smoke alarm signals when its battery is near end of life. Emitting a short acoustic "beep" every 48 seconds, indicates the battery is almost empty. Your Cautiex smoke alarm will continue to warn about its low battery state for at least 30 days. For your own safety do NOT delay replacing the low battery.

BATTERY CHANGE
CHANGE
Note: Only use CR2 3V Lithium batteries.
Detach your Cautiex smoke alarm from the mounting base ring (see page 4).
Take out the empty battery and exchange it with a fresh one.
Be aware that the positive (+) and negative (-) battery symbols match with the corresponding symbols printed in the battery tray of your Cautiex smoke alarm.

After exchanging the battery check that the multifunctional LED and test button flashes every 48 seconds to indicate normal state.

Attach your Cautiex smoke alarm to the mounting base ring (see page 5).
After battery change and re-insertion of your Cautiex smoke
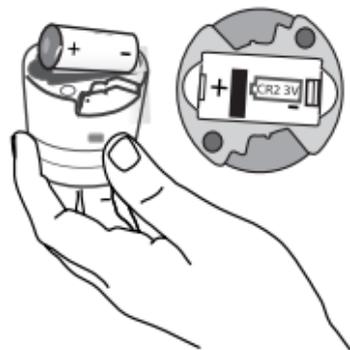
alarm into the mounting base ring, make sure to execute a functional test. This proves the battery change has worked and your Cautiex smoke alarm is ready to warn you in case it senses smoke (see page 5/6).

BATTERY SAFETY INSTRUCTIONS

• Always keep batteries away from children.
• Do NOT recharge or short circuit batteries.
• Do NOT drop the battery.
• Do NOT throw the battery into fire.

Batteries contain acids and other harmful chemicals. If leaking occurs within the battery avoid contact with liquids. If you get in contact with battery liquids, immediately wash your hands. Take into account consulting a doctor.
Batteries must NOT be disposed of with regular household waste. Please dispose at your local recycling station.

ALARM PAUSE FUNCTION
In case of unintentional alarms or false alarms, you can mute your Cautiex smoke alarm.
During an active alarm simply press the multifunctional LED and test button on the side of your Cautiex smoke alarm once. This stops the alarm and sets the device into a 10 minute pause state.
Your Cautiex smoke alarm automatically resumes to normal state after 10 minutes have passed.
You can reactivate your Cautiex smoke alarm before the 10 minutes have passed by simply pressing the multifunctional LED and test button on the side your Cautiex smoke alarm, during paused state. The alarm will sound and the multifunctional LED and test button will start flashing every 48 seconds to indicate normal state.

MAINTENANCE
The listed maintenance steps have to be executed on a regular basis to keep your Cautiex smoke alarm working flawlessly. Your Cautiex smoke alarm must be replaced after 10 years of use or if the smoke alarm has suffered any damage.

FUNCTIONAL TEST

Execute a functional test once every month to ensure there are no issues with your Cautiex smoke alarm and it's ready to warn you in case it senses smoke (see page 5/6).

CLEANING

Vacuum clean the sensing chamber mesh once every month to ensure the sensing chambers entrances are not blocked by dust particles or insects.
Vacuum cleaning the mesh may lead to a false alarm.

CORRECT BEHAVIOR IN CASE OF FIRE

Stay calm.
Warn your cohabitants.
Immediately leave the house.
Help children, handicapped, elderly and injured people.
Close all windows and doors after you.
Do NOT use elevators.
Call the fire department.
Germany: 112
Austria: 122
Switzerland: 118
Give your name and address.

PROHIBITIONS

Do NOT use chemicals to clean your Cautiex smoke alarm, as they may damage the smoke alarms sensing chamber.
Do NOT paint your Cautiex smoke alarm, as the paint may block the smoke alarms openings and prevent smoke from entering the sensing chamber.
Do NOT try to open your Cautiex smoke alarm. Your Cautiex smoke alarm is a sealed and sensitive electrical device. Attempts of opening your Cautiex smoke alarm will invalidate your warranty.
Do NOT remove the label on the battery compartment of your Cautiex smoke alarm. It's carrying important information which will be demanded by the technical support team.

TROUBLE-SHOOTING

Problem: If your Cautiex smoke alarm should fail the functional test.
Solutions:
• Make sure to press the multifunctional LED and test button firmly.
• Check if you have installed the battery properly (see page 6).
• Change the battery as it may be empty (see page 6).
• If your Cautiex smoke alarm continues to fail the functional test, contact the technical support team (see page 9).
Problem: Your Cautiex smoke alarm emits a short "beep" every 48 seconds.
Solutions:
• Change the battery it is nearly empty (see page 6).
Problem: Your Cautiex smoke alarm frequently produces false alarms.

Solutions:
- Clean your Cautiex smoke alarms sensing chamber with a vacuum cleaner (see page 8).
- Check the positioning of your Cautiex smoke alarm (see page 2/3).
- If your Cautiex smoke alarm continues to produce false alarms, contact the technical support team (see page 9).

Problem: Your Cautiex smoke alarm does not fit back into the mounting base ring.
Solutions:
- Make sure that you have equipped your Cautiex smoke alarm with a battery.

TECHNICAL SUPPORT
If you have any questions about your Cautiex smoke alarm please contact the technical support team between 9:00 – 15:00 Monday – Friday. Telephone: +49 (0) 6051 – 91533 – 29

EXTENDED WARRANTY - TERMS AND CONDITIONS
In accordance with the following terms and conditions, we will provide the guarantee in respect of the non-defective quality of the smoke alarm Cautiex Invisible 5Y for a period of three years from the date of purchase, regardless of the statutory warranty claims available to the purchaser in relation to the seller for their duration.
In case of a material defect arising during the term of the guarantee, we shall be obliged, at our own expense, to provide delivery of a corresponding product which is free from defects at our own choice following the return of the defective product. The battery shall be excluded from the above. We reserve the right to carry out technical amendments in the meantime.

The guarantee can only be exercised on submission of proof of purchase and cannot be assigned to third parties. Should the proof of proper maintenance in accordance with the operating instructions not be provided on request or should it be proved that the defect has been caused by improper maintenance or treatment, the rights under the guarantee shall become null and void.

The rights under the guarantee exist exclusively under the following terms and conditions: The purchaser shall register him or herself as the buyer of the product within six weeks of the date of purchase via the Internet site of the provider of the guarantee: www.cautiex.de/register, giving details of:

- The date of purchase and the place of purchase of the product.
- The purchaser's postal address and electronic address.
- A declaration of agreement concerning the use, for advertising purposes, by the guarantor and its dealers of the submitted data must be made.

The CE marking on this product is securing the conformity to the European directives that are applicable and in conformity to the harmonised specification of EN14604.
NF/DAAF brand is testing the conformity of this product to the certification NF292.
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The NF smoke alarm devices mark provides assurance as to safety and consistent quality inspected by experts. Through its rigorous and exhaustive inspections (holder's quality management system, product inspections, audits and monitoring tests, etc.), the NF mark represents a comprehensive guarantee for customers that the certified products are compliant. The NF Smoke Alarm Devices mark confirms the product's compliance with certification rules NF292.

Essential operational features covered by the NF mark

Type of mounting:	Wall	NO
	Ceiling	YES
Main power supply		Internal to the device
Battery duration of the main power supply		5 years
Interconnectable device		NO
Suitable for installation in a mobile home		YES
Connection to external ancillary devices		NO
Radio link		NO
Individual alarm indicator		YES
Alarm pause function		YES
Accessible option		NO

CE 13
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EN14604:2005
DoP no.:2001-050

NF
AFNOR CERTIFICATION
DAAF

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RoHS