

INSAFE

Smoke detector

INSTRUCTION MANUAL

Please read this instruction manual carefully before use!
The documentation supplied with this product must be retained throughout its service life.



INSAFE Origin
Product model: 1730FW



INSAFE+ Control
Product model: 1740SX

INSAFE Origin and INSAFE+ Control are Smoke Detection and Alarm Devices for household use.

A smoke detection and alarm device is a product designed to give off an audible signal to warn that a fire has started.

The detector will only trigger the alarm in due time if it is properly located, installed and maintained in accordance with the instructions in this manual.

INSAFE Origin and INSAFE+ Control are designed and manufactured by NEXELEC, 67 COURS MIRABEAU
13100 AIX-EN-PROVENCE FRANCE

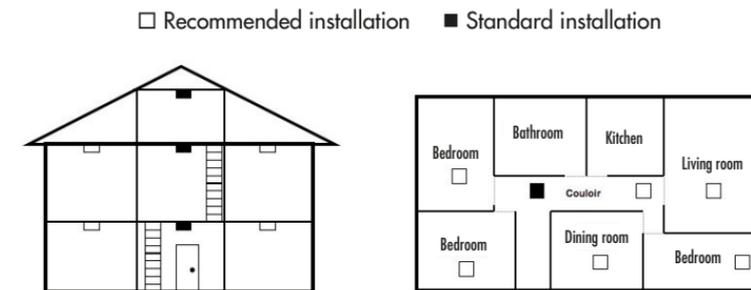


EN14604:2005/AC:2008
1922-CPR-0582

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1. RECOMMENDED PLACES TO MOUNT THE DETECTOR

Depending on the layout and the surface area of the dwelling, several smoke detectors may be required to ensure minimum protection and guarantee efficient detection, the range of the alarm and quick evacuation of the dwelling.



Standard installation

- on each floor
- in hallways and/or stairwells
- between rest areas (bedrooms), the possible ignition sources (garage, area with a high electrical system, etc.) and exits leading outside of your home (door, window)

It is recommended to install smoke detectors:

- less than 7 m from possible ignition sources
- less than 7 m from rest areas (3 m if the doors are closed)
- less than 7 m from exits

Locate the detector in line with the current building standards.

Ceiling mounting:

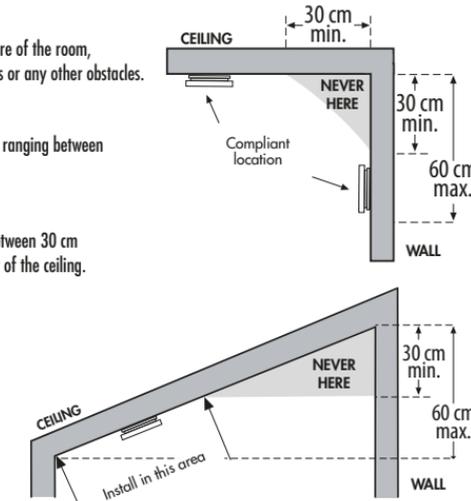
Install the detector to the ceiling in the centre of the room, minimum 30 cm from corners, walls, beams or any other obstacles.

Wall mounting:

Install the detector to the wall at a distance ranging between 30 cm and 60 cm from the ceiling.

Mounting on a sloped ceiling:

Install the detector at a distance ranging between 30 cm and 60 cm vertically from the highest point of the ceiling.



2. PLACES TO BE AVOIDED

Do not install the smoke detector:

- Outside
- In a place where the alarm will be difficult to hear (room with closed door)
- In a place where the detector will be difficult to reach, in particular to perform tests
- In a place where the temperature is lower than 4°C or higher than 45°C
- In a place where humidity is less than 10% or exceeds 95% (bathroom, kitchen, laundry room, etc.)
- In a place subject to high and/or rapid temperature, pressure or humidity variations
- In a place where the sunlight hits directly on the detector
- In a dusty or dirty area (garage, workshop, etc.)
- In a place where there are a lot of insects
- In a place where spurious smoke may disturb the smoke detector: kitchen, chimney, garage (exhaust gas), furnaces, boiler rooms, combustion

radiators, etc. ■ Close to heating appliances, windows, ventilation ducts, air conditioners, fans or any other item of equipment that may produce air flows ■ Close to an area that is hotter or cooler than the rest of the room (non-insulated walls, hatches, etc.) ■ Less than 1.5 m from obstacles preventing the smoke from accessing the detector (decorative objects, walls, doors, plants, chandeliers, curtains, etc.) ■ Less than 1.5 m from lighting appliances (ceiling light, incandescent lamps, halogen or fluorescent lamps, etc.) ■ Less than 1.5 m from electrical appliances or their wiring.

3. INSTALLATION

Commissioning the smoke detector

Comply with the following commissioning procedure:

- Activate the single-use switch (1)
- Wait a few seconds then press the button of the detector for 3 seconds until the alarm sounds, then release it for the alarm to stop (2)

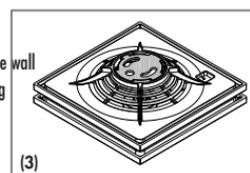
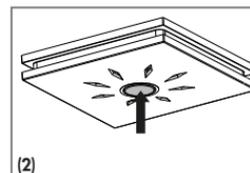
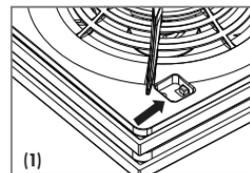
The detector initialises for 10 minutes. At the end of the 10 minutes, the red diode will then flash every 5 and a half minutes indicating that the detector is working properly.

Mounting the smoke detector

The screws and wall plugs supplied with the detector should preferably be used to mount your smoke detector.

Comply with the following procedure:

- Select an appropriate location on the ceiling or the wall to mount the detector
- Remove the mounting base (3)
- Use a pencil to mark the screw holes in the intended place on the ceiling or the wall
- Drill two holes to match the screws with equipment suited to the type of ceiling
- Insert the nylon wall plugs supplied
- Clean the area with a dry cloth to remove any dust
- Screw the mounting base into the ceiling(4)



The drawing inside the mounting base shows how to position the detector across from its mounting base and the final position of the detector once it is clipped in

- Place your detector on the mounting base by aligning the single-use switch with the circular hole of the mounting base (5)
- Turn it slightly towards the right. The detector must fit into the mounting base
- Turn the detector by a quarter turn towards the right to clip it in: you must hear a click indicating that your detector has been properly secured into its mounting base (6)
- Make sure that your detector is completely secured to the ceiling

4. BATTERY

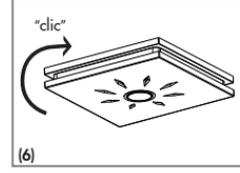
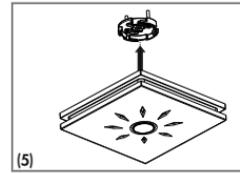
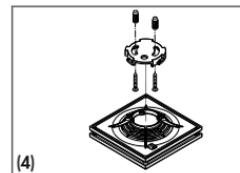
The smoke detector has a maximum service life of 10 years. Beyond this limit, it will no longer operate at peak efficiency. Your detector and its remote control are fitted with a high-performance battery that has a duration of 10 years*. This battery cannot be replaced. The detector and the remote control are sealed and will operate throughout their entire service life. The end of the battery life means that you must change your detector and/or remote control.

5. MAINTENANCE

Clean the detector every month:

- Remove dust from the detector with an antistatic cloth or with the brush end-fitting of your vacuum cleaner
- Clean the upper edges of the detector with an antistatic cloth
- Immediately remove any insect, spider web or dust accumulated around your detector

CAUTION: Do not use a compressed air spray or equivalent



6. PRECAUTIONS AND LIMITS OF USE

For your safety, please comply with the following measures:

- You must follow all instructions in this manual. Please bear in mind that it may be dangerous to mute or switch off the detector or to refuse to replace your detector when specified by the manual.
- Do not install the detector in one of the situations described in paragraph 2 "Places to be avoided".
- Do not paint or cover the detector.
- Do not block the detector openings.
- Do not disassemble, modify or damage the detector.
- Do not place bare ignition sources such as lighted candles underneath the detector.
- The detector must remain in place at all times.
- The detector is not a transportable product.
- To avoid accidents, the detector must be safely secured to the ceiling or wall in accordance with the installation instructions.
- The detector is unable to detect fires outside of the dwellings.
- The detector will not be able to detect a fire if an insufficient quantity of smoke reaches the detector sensor (smouldering fire, fire too far away, etc.). It is recommended to install several detectors for optimum safety.
- The detector cannot be used for people who are hearing impaired.
- The manufacturer recommends a monthly maintenance of the detectors.
- It is dangerous to suspect a false alarm as the smoke preceding the onset of the flames are toxic and may cause you to lose consciousness: despite the absence of flames, a fire may blaze up in a few minutes.
- If false alarms are frequent, you may need to change the location of your detector and move it further away from the sources of false alarms.
- The maximum date of commissioning must not exceed 5 years after the date of manufacture affixed to the detector.
- The detector must not be used after the maximum specified use-by date: the maximum use-by date is equal to the date of manufacture affixed to the detector + 10 years.
- The detector must no longer be used and must be replaced subsequent to a fire or after a significant amount of smoke or under abnormal conditions.

The detector is designed to have a service life of 10 years* enabling it:

- To detect fires for 10 years
- To power the alarm signal for 4 minutes at 85 dB.
- To perform weekly tests for 10 seconds.
- To indicate that the battery is low via an audible signal for 30 days.

The detector is designed to operate in a normal household environment:

- Temperature: 15°C to 35°C
- Humidity: 25% to 75%
- Atmospheric pressure: 86 to 106 kPa.

The detector may be used in an exceptional household environment:

- Temperature ranging between 4°C and 45°C
- Humidity ranging between 10% and 95%
- Recurrent and/or prolonged use in this exceptional environment may reduce the battery life and consequently the service life of the detector.

Certain conditions may damage the detector, reduce the battery sensitivity and/or life and therefore the service life of the detector:

- Exposing the detector to temperatures, humidity or atmospheric pressures that differ from the normal environment defined above.
- Performing additional tests or a high number of real or false alarms which trigger the alarm tone.
- Excessive cleaning of the detector.
- The presence of recurred smoke and/or a significant amount of smoke in conditions considered normal with the detector in Pause mode or not.

7. SCRAPPING AND RECYCLING

This symbol, affixed to the detector and packaging, means that the product must not be scrapped with household waste, in accordance with European Directive 2002/96/EC on Waste electrical and electronic equipment (WEEE).

The detector must be handed over to an appropriate collection point for the recycling of electrical and electronic equipment. Comply with the laws of the state with regard to scrapping.

By cooperating with these instructions, you are helping to eliminate the potential effects of hazardous materials on the environment and human health as well as enhancing reuse, recycling and other forms of recovery of such waste. NEXELEC is a member of the following eco-friendly waste management organisation: Ecologic

CAUTION: The detector contains a lithium battery: do not throw on fire, melt or incinerate.

8. WARRANTY

NEXELEC offers a contractual warranty of the INSAFE and INSAFE+ "Smoke Detection and Alarm Devices" on the EU territory, covering the features for which the devices were designed, in accordance with Regulation and applicable European Directives, for a period of 5 years as from the date of purchase.

This warranty does not cover damage caused to the detector due to voluntary fire, negligence, poor or inappropriate storage conditions, mishandling, improper fastening, incorrect use, lack of maintenance (refer to the User Manual), disassembly, modification, failure to comply with the precautions of use of the smoke detector recommended in the user manual.

This warranty does not apply to damage caused by the use of incorrect mounting means or failure to comply with the mounting process or faulty mounting operations. Since many factors may influence the mounting quality of the detector, only the user is able to control the risks inherent to mounting the detector, as these factors are unpredictable and depend

on the residence. The malfunction or failure of the detector to operate due to contamination by dust and/or by insects despite maintenance that complies with this manual is considered as normal wear of the device and cannot be covered by the warranty as it is unpredictable and depends on the residence. The warranty is not an insurance policy. This warranty is a complement to your legal warranties of conformity and those relating to defects of the things sold. If the product is found to be defective, the application of the warranty under the conditions mentioned in the user manual will result in the repair or replacement of the defective detector.

9. AFTER-SALES SERVICE

Prior to requesting the application of the contractual warranty, you must consult the information available on the Insafe website www.insafe.fr/support and obtain a return number. The warranty will not be applied if you do not have a return number.

If a defect is found during the warranty period, the purchaser must dispatch the detector by post to the NEXELEC Customer Service Department. The detector must be accompanied by dated proof of purchase and a letter requesting application of the warranty and explaining the defect found.

10. ACTIONS TO BE TAKEN IF THE SMOKE DETECTOR ALARM SOUNDS BEFORE AN ALARM

BEFORE AN ALARM

- Familiarise yourself with the sound of the alarm
- Devise an evacuation plan, learn the evacuation itinerary, do test runs

IN THE EVENT OF AN ALARM FURTHER TO A FIRE

- Keep calm
- Immediately evacuate your family from the dwelling, without taking anything with you, in accordance with the evacuation plan
- Be careful of the heat and smoke, keep your head down, cool air is close to the ground; cover your nose and mouth with a wet cloth
- Close the door of the room on fire and the entrance door
- Once outside, call the firefighters by dialling 112 (single European emergency number)
 - State the reason for the call (type of fire)
 - Give your exact address and state whether there are victims and the severity of their injuries
 - Answer all questions asked by the firefighters. Do not hang up before being told to do so

- Do not try to go back inside the house
- Never take the lift

CAUTION: If all ways or staircases are completely engulfed in smoke:

- Stay inside
- Take shelter in a room
- Close all inside openings (doors, air vents, etc.)
- Call the firefighters by dialling 112 (single European emergency number)
- Place wet rags at the base of the doors and in front of inner openings
- Go to the window so that emergency response personnel can see you

SUSPECTED FALSE ALARM

Suspecting a false alarm is dangerous as the smoke preceding the breakout of flames are toxic and may cause you to lose consciousness. Despite the absence of flames, a fire may break out in a matter of minutes. It is recommended not to suspect a false alarm and to systematically follow the above instructions (A to G).

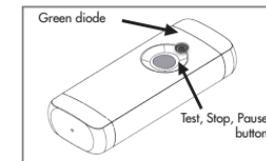
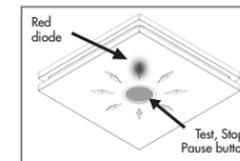
11. FEATURES OF THE SMOKE DETECTOR

- Smoke detector using the light scattering or transmission principle
- Absence of radioactive substances
- Delivered with battery
- Environmental protection: membership in an eco-friendly waste management organisation
- Associated service: customer helpline

* According to the declaration of performance in force

Type of mounting: Wall or ceiling	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
Ceiling only	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Wall only	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Main power supply	Within the device	
Battery life	<input type="checkbox"/> 1 year	<input type="checkbox"/> 5 years <input checked="" type="checkbox"/> 10 years
Individual alarm indicator	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
Alarm silence facility	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
Suitable for installation in a mobile home	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Interconnectable device	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Connection to external auxiliary devices	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Radio link	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
INSAFE accessibility	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
INSAFE + accessibility	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

12. OPERATION OF THE DETECTOR AND THE REMOTE CONTROL



Operation of the remote control (INSAFE+)

- The remote control is available and only operates with the INSAFE+ detector
- The remote control can only be used underneath the detector, perpendicular to its mounting axis
- When you press the button, the green diode comes to indicate proper operation of the remote control

- The button must be pressed and held for 5 seconds for the remote control to operate..
- After installation, the red diode will flash every 5 and a half minutes thereby indicating proper operation of the detector.
- In the event of an alarm, the alarm tone sounds and the red diode starts flashing several times per second.

CAUTION: Keep the detector away from your ears or wear ear plugs.

	BUTTON	RED DIODE	BUZZER	DETECTOR CONDITION	ACTION
Test	Press the detector button or press the remote control button for 5 s. until the alarm sounds then release	1 Flash several times per second if the test is working	Alarm sound signal if the test works	OPERATIONAL after 10 minutes	If the test does not work, the detector probably detected an operating defect. Firstly make sure that you have properly complied with the precautions of use of the detector. If such is the case, carry out the operation again (twice) if necessary. If the test still does not work, wait 15 minutes and carry out the operation again (twice) if necessary. If the test still does not work, the detector must be replaced.
Pausing the alarm	Press the detector button or press the remote control button for 5 s. until the red diode starts to flash	1 Flash every 10 s. for approximately 10 minutes		OPERATIONAL after 10 minutes	Your detector then starts to operate automatically. Pausing the alarm helps to control a pending false alarm in advance (e.g.: smoke or steam when cooking, use of candles or incense, cigarette smoking, etc.)
Stopping the alarm	Press the detector button or press the remote control button for 5 s. until the alarm stops	1 Flash every 10 s. for approximately 10 minutes		OPERATIONAL after 10 minutes	Your detector then resumes automatic operation..
Low battery indicator		1 Flash for 45 s. for at least 30 days	1 Beep every 45 s. for at least 30 days	NON-OPERATIONAL	The detector must be replaced
Pausing the low battery warning	Press the detector button or press the remote control button for 5 s. until the red diode starts to flash	1 Flash every 45 s. for 8 hours approximately		NON-OPERATIONAL	The detector must be replaced
Smoke detector end-of-life warning			1 Beep every 45 s. until the batteries are dead	NON-OPERATIONAL	After 10 years of use, the detector must be replaced
Defect		1 Flash every 45 s.	1 or 2 Beeps every 45 s..	NON-OPERATIONAL	Make sure that you have properly complied with the precautions of use. If such is the case and the defect alarm continues after 15 minutes, then the detector must be replaced

- It is recommended to carry out a visual check of the detector every week, to perform a functional test of the detector every month and a functional test of the detector with a test aerosol every 3 month.

CAUTION: Only use test aerosols recommended by the manufacturer for the smoke detector