NEXHO

system

NEXHO-PR Presence detector
Assembly and operating instructions

detector de presencia

PR

farho

NOTICE

Please read these instructions carefully and keep them for future consultation. NEXHO range equipment must be installed by an accredited, qualified electrician and must observe Low Voltage Regulations. The installation as a whole should meet the provisions of aforesaid regulation. Any claim presented will be deemed invalid if the prevailing regulations have not been met.

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General information

We would like to thank you for purchasing FARHO's NEXHO-PR presence detector.

This device has been designed and manufactured in accordance with the requirements of household appliances, pursuant to the following standards: UNE-EN 60950, UNE-EN 301 489, UNE-EN 61000-6, UNE-EN 300 220.

The NEXHO-PR presence detector has been designed to be part of an alarm installation that will provide you with an early warning of any possible intrusion in your home. In addition, the NEXHO system can be configured by means of the central NEXHO-UC control unit so that the presence detector can autonomously activate other pieces of equipment when it detects your presence (and the security mode is not activated).

The NEXHO-PR presence sensor is a PIR-based, high-sensitivity, low-noise detection device. Once configured in a NEXHO system, it will alert the system upon detection of a presence in the room where it has been placed.

Specifications

- Standby consumption: <0.01 mW
- Consumption in alarm mode: <0.2 mW
- Emission band 868MHz
- Internal power supply: 3 AAA batteries
- External power supply: from 5 V(DC) to 12 V(DC)
- Low noise, high sensitivity PIR sensor
- Fresnel lens
- Delay between detections: 30 seconds

This system has been carefully designed to be as effective as possible. There are some occasions, however, on which it cannot provide accurate detection. The operation of any kind of alarm system can be intentionally impeded or fail for other reasons, such as the following:

- Improper installation. A security system must be properly installed to provide appropriate protection. This device should not be placed in locations where it could be exposed to humidity or liquid from water sprinklers. Each installation must be evaluated to ensure that all areas are covered.
- It is important that the security system is serviced periodically to ensure that it is in proper working order and parts must be updated or replaced if they are not providing the expected protection.
- Power cuts. NEXHO-PR requires an appropriate energy supply for proper operation. If the device is working on batteries, it is possible that they will fail. Even if the batteries do not fail, please make sure that they are in good condition and are installed properly. If the device is running on an external power supply, any outage, even of short duration, will interrupt the operation during the power cut.
- Power cuts of any duration are often accompanied by voltage fluctuations which can damage the device. Following a power outage, please perform a complete check of the system to ensure that it is working properly.
- Discharged batteries. The lifetime of a battery depends on the environment in which it is found and on the number of activations of the device. Environmental conditions such as excessive humidity, high or low temperatures or abrupt temperature changes can reduce the lifetime of the battery. Regular inspections and maintenance will keep the system in good operational condition.
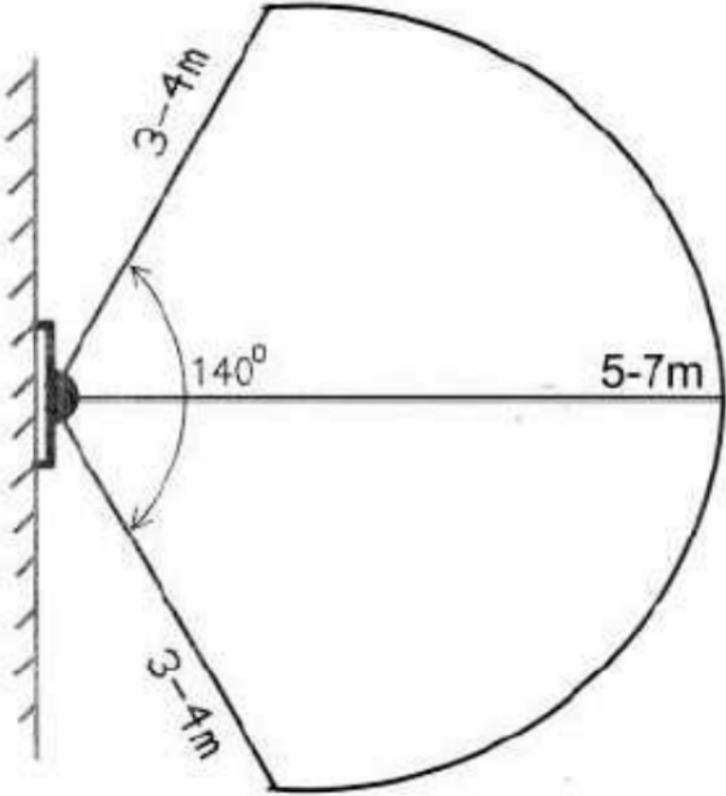- Sound alarm devices may not be heard by hearing-impaired people.

- Phone line. The phone line could be out of order or busy for a while. An intruder may also attempt to sabotage it by means of sophisticated methods. This practice is very difficult to detect.
- Insufficient time. In some circumstances, even if the device is working properly, it is possible that response measures are not taken in time to protect the occupants or their belongings.
- Malfunction of a component. Despite utmost efforts to produce the most reliable system possible, it could fail on the grounds of the malfunction of a component.
- Inadequate inspections. Most of the problems which cause malfunctions in a system can be detected by performing regular checks and maintenance. The whole system should be tested on a weekly basis and immediately after any intrusion or intrusion attempt, fire, storm, earthquake, accident or any kind of building works.
- Security and insurance. Despite all its advantages, an alarm system is not a substitute for home or life insurance. An alarm system does not exempt the user from taking precautions regarding prevention and minimisation of damages in an emergency situation.

Where should I install a NEXHO-PR presence sensor?

When installing a NEXHO-PR presence detector, try to avoid installing the device in areas subjected to the following (or similar) conditions:
- Locations where the device could be exposed to impacts or vibrations.
- Locations with elements which could obstruct the field of view of the sensor (for example, glass).
- Locations where the device is exposed to direct sunlight.
- Locations where the device is exposed to wind or to draughts coming from a heating or air conditioning element.
- Environments subject to rapid changes in the atmosphere.

The detection range is depicted in the following diagram:

Installation running on batteries

Remove the front casing by pressing the lateral release buttons. Place the AAA batteries in the compartment as indicated by the polarity markings.

In order to mount the detector in a corner, place the corner mounting bracket provided with the equipment in the desired location. Use a pencil to mark the location of the fixing screw holes.

Remove the bracket momentarily and insert the wall plugs in the marked locations. Partially insert the screws into the wall plugs using a screwdriver and place the bracket into the corner again. Insert the screws into the holes previously used as a marker. Drive the screws fully into the bracket until it is firmly fixed. Insert the bracket bolts in the pre-die cut holes that you will find at the back of the NEXHO-PR sensor.

Please note that the presence detector must be configured together with the NEXHO-NT internet control module or the NEXHO-UC central control unit so that the detector is installed in the system and can be controlled from one of these control units. For that purpose, consult the section on how to install presence detectors in your automation network in the user manual of the NEXHO-NT internet module or the NEXHO-UC central unit.

Once the device has been configured in the home-automation system, it is advisable to install an audible warning alarm for interior spaces connected to a NEXHO-CR power-control module. Please consult the user manual of either the NEXHO-NT internet module or the central control unit to learn how to configure the security mode so that it activates the audible warning alarm in case of detection.

Remove the frontal housing by pressing the lateral release buttons.

In order to mount the detector in a corner, place the corner mounting bracket provided with the equipment in the desired location. Use a pencil to mark the location of the fixing screw holes.

Remove the bracket momentarily and insert the wall plugs in the marked locations. Partially insert the screws into the wall plugs using a screwdriver and place the bracket into the corner again. Insert the screws into the holes previously used as a marker. Drive the screws fully into the bracket until it is firmly fixed. Insert the bracket bolts in the pre-die cut holes that you will find at the back of the NEXHO-PR sensor.

Guide the cables from the external power supply through the hole of the device designed for this purpose and place the bolts of the corner bracket

in the pre-die cut holes at the rear part of the detector. Plug the power cables into the corresponding terminals as indicated in the following image:
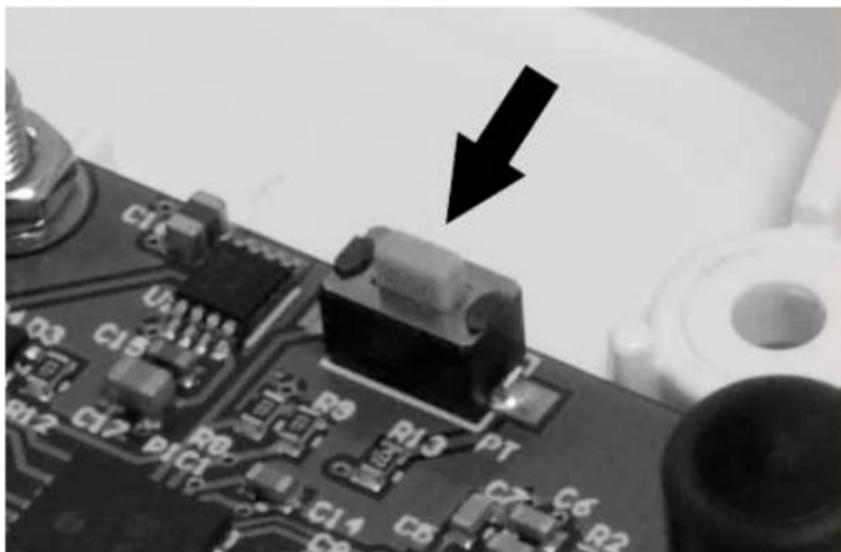
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How do I reset a NEXHO-PR presence detector

In order to reset the NEXHO-PR presence detector, press the installation button once. The green indicator light on the circuit board will come on. Wait until the indicator light starts to flash and, at that point, press the button again. The light will start to flash more slowly and will stay on for a few more seconds. When the light goes off, the reset process is completed.

If you have installed the NEXHO-PR presence detector in a NEXHO home-automation installation, once it has been reset, the detector will not send warning alerts for possible detections until you have re-configured it. To re-configure it, please refer to the manual of the NEXHO-NT internet module or of the NEXHO-UC central control unit and follow the steps described in the section on how to install the corresponding detector in the home-automation network.

FARHO guarantees the proper and correct operation of this device for 2 years from the delivery date. The guarantee will be valid if the product is subject to normal use.

The guarantee implies that FARHO will, at its sole and unquestionable discretion, repair or replace parts presenting evident defects in materials or workmanship. These must be returned to the factory (delivery costs shall be prepaid by the purchaser). The replaced parts under this warranty will become property of FARHO.

Natural wear and tear of materials or parts is not covered by warranty.

Any other type of compensation is excluded, and no other type of claims on direct or indirect damage of any kind or nature (including to third parties) will be accepted, even if these damages are caused by a temporary lack of use of the purchased products. The examination and evaluation of the defective product can only be performed by FARHO at its premises.

Any expenses or costs related to the external intervention of the seller's workforce (such as labour, transport, food or hotel allowance, product assembly, disassembly, etc.) will be paid by the buyer. The cost of the replaced defective parts and labour related to the time required for the replacement will at FARHO's expense.

The guarantee excludes damages caused by improper handling, care, storage or installation as well as incorrect or negligent maintenance or that which is contrary to FARHO's guidelines. It also excludes damages, defects or malfunctions caused by external components or their incorrect assembly into the device. Modified, repaired or partially dismantled devices are also excluded from this guarantee.

This clause is not intended to limit the liability of the manufacturer in a manner contrary to the provisions of the applicable national law nor to exclude its liability for matters that may not be excluded under those rules.

The buyer waives the guarantee provided in this article should it fail to meet at least one of their contractual obligations, especially with respect to payment terms.

Any possible repairs in or out of warranty must be claimed in writing by the purchaser to FARHO.

Regarding the replaced or repaired parts, and only these, the warranty period recommences and expires three months following replacement or repair.

In the case where FARHO is responsible for defective products, the compensation may not exceed the amount of the purchase price of the product.

In any case, FARHO assumes no responsibility for indirect damages, including, for example, loss of customers, sales, production, profits, image, as well as damage to the buyer resulting from possible claims derived from damage caused to third parties.

FARHO will be exempt of any responsibility for any damages due to, for example:
- Misuse or improper, abnormal or excessive use.
- Improper, incorrect or deficient maintenance.
- Non-conventional usage of the product or usage which is contrary to the seller's guidelines, or different from what the product is intended for.
- Use of the product with other components.
- Improper storage.

**ANY PROBLEM WITH YOUR NEXHO PRODUCT
WILL ONLY BE ATTENDED
BY THE DISTRIBUTOR IN
YOUR COUNTRY**

NEXHO-PR

Distributed by:……………………………………………………………..................

Purchase date:……… of ………………………….. 20…..……

FITTER:……………………………………………………………………..………….

Name:…………………………………………..Town/City:……………….…………

Home
address:………………………………………….Telephone:…………..…………

USER:

Name:…………………………………………..Town/City:……………….…………

Home
address:…………………………………….……Telephone:………..…..…………

In service:………………………….

No…………………………………………………….Fitter's stamp

To be completed by the fitter