

Indication	Status	Action
- The status LED flashes red or green for three seconds. - A notification has been transmitted.	The battery is almost empty.	You must replace the battery soon.
- The status LED flashes red two times in succession every nine seconds. - The contact is deactivated.		
The status LED turns red after you have installed a battery. The status LED turns red and stays red without flashing.	The battery is empty. Je hebt een eerdere melding genegeerd om de batterij te vervangen. Het contact kan niet meer werken. De spanning van de batterij is te laag.	You must replace the battery immediately.

How do I replace the battery?

- Screw open the top of the contact.
- Pull on the lip to remove the battery holder from the contact, and replace the battery. Pay attention to the polarity: the positive pole must be visible.
- Tip:** Only use type CR2032 batteries.
- Screw the top of the housing back onto the contact.

Attention: The coding of the contact is maintained even if the contact is live. After you have replaced the battery, you do not have to reprogram the coding on the selected wireless Easywave receiver.

4. TROUBLESHOOTING

- If the Easywave system does not work after being programmed, you can always first perform a number of extra checks:
 - Check whether the **shield between the battery and the contacts in the contact** has been removed.
 - Check whether there is **good contact integrity between the battery and the battery contacts**.
 - Check the **operation of the connected receiver**. Press the programming button (P) on the front of the receiver. If the status LED does not flash, the receiver is defective.
 - Check the **operation of the contact**. Take the contact and walk toward the receiver:
 - The Easywave system only works if you bring it closer to the receiver. Use a wireless Easywave repeater (05-535) to increase the range.
 - If the Easywave system does not work at all, even when you bring the contact closer to the receiver, check the programming and/or the batteries of the contact.
 - In the case of an existing installation, check whether the **surroundings of the Easywave system** have changed, possibly causing interference (metal electricity cabinet, walls, moved furniture ...). Restore the original arrangement, if possible.
- If the problem with the device is not solved, then go through the following list of possible problems:

Problem	Cause	Solution
The receiver does not react to the contact.	The battery is empty or almost empty.	- Check the status of the battery. - If necessary, replace the battery.
	In certain situations, other wireless products that work on the same frequency and are located in the immediate vicinity of the contact and the receiver can cause interference.	Check whether the signal transmission between transmitter and receiver is not obstructed.
	The programming was not successful or was erased.	Program the codes again on the selected wireless Easywave receiver. To do this, consult the user manual of the receiver.

5. TECHNICAL DATA

dimensions	contact: 12 x 65 x 28 (HxDxW) magnet: 18 x 18 x 13 (HxDxW)
weight	contact: 20.6 g magnet: 2.2 g
frequency	868.3 MHz
modulation	FSK
power supply	3 V battery, type CR2032
power consumption	1.6 µA
range	approximately 150 m in open spaces
protection degree	IP54
operating temperature	-20 – +60°C
quality mark	CE marking in accordance with EN 60669-2-1

6. WARNINGS REGARDING INSTALLATION

- The installation should be carried out by a registered installer and in compliance with the statutory regulations.
- This manual should be presented to the user. It should be included in the electrical installation file, and it should be passed on to any new owners. Additional copies are available on the Niko website or via the Niko support service. The latest manual for this product is available on the Niko website at any time.
- During installation, the following should be taken into account (non-exhaustive list):
 - the statutory laws, standards and regulations.
 - the technology currently available at the time of installation.
 - this user manual, which only states general regulations and should therefore be read within the scope of each specific installation.
 - the rules of proper workmanship.



This product complies with all of the relevant European guidelines and regulations. If applicable, you can find the EC declaration of conformity regarding this product at www.niko.eu.

7. NIKO SUPPORT

In case of doubt or for the specific exchange procedure in case of a possible defect, contact the Niko support service in Belgium at +32 3 778 90 80 or your wholesaler/installer. Contact details and more information can be found at www.niko.eu under the "Help and advice" section.

8. GUARANTEE PROVISIONS

- The period of guarantee is four years from the date of delivery. The delivery date is the invoice date of purchase of the product by the consumer. If there is no invoice, the date of production applies.
- The consumer is obliged to inform Niko in writing about the non-conformity, within two months after stating the defect.
- In case of a non-conformity, the consumer only has the right to a product repair or replacement free of charge, which shall be decided by Niko.
- Niko shall not be held liable for a defect or damage resulting from incorrect installation, improper or careless use, incorrect operation, transformation of the product, maintenance that does not adhere to the maintenance instructions or an external cause, such as damage due to moisture or overvoltage.
- The compulsory regulations of the national legislation concerning the sale of consumer goods and the protection of the consumer in the countries where Niko sells, directly or via sister companies, subsidiaries, chain stores, distributors, agents or permanent sales representatives, take priority over the above-mentioned rules and regulations.

8. UPOZORNENIA TÝKAJÚCE SA INŠTALÁCIE

- Inštaláciu musí vykonať kvalifikovaný odborník v súlade s platnými predpismi.
- Tento návod musí byť odovzdaný užívateľovi. Musí byť súčasťou dokumentácie o elektrickej inštalácii a musí byť odovzdaný každému novému užívateľovi. Ďalšie kópie návodu sú dostupné na web stránke Niko alebo cez služby zákazníkom. Najnovší návod na inštaláciu tohto výrobku je k dispozícii na internetových stránkach Niko.
- Počas inštalácie je potrebné brať do úvahy nasledovné (neobmedzuje sa iba na nasledovný zoznam):
 - aktuálne zákony, normy a vyhlášky.
 - aktuálny stav technológie v čase inštalácie.
 - tento návod na použitie, ktorý obsahuje iba všeobecné pravidlá, je potrebné použiť s ohľadom na špecifiká každej inštalácie.
 - pravidlá správnej inštalácie.



Tento výrobok spĺňa všetky relevantné Európske predpisy a nariadenia. V prípade potreby nájdete príslušné ES vyhlásenie o zhode na www.niko.eu.

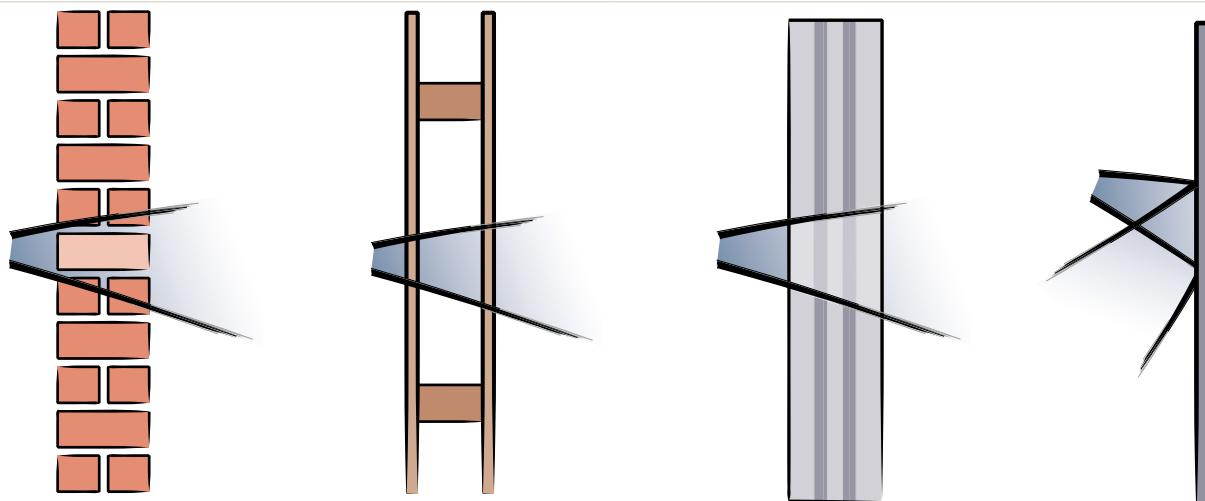
9. NIKO TECHNICKÁ PODPORA

Ak máte otázky, obráťte sa na zastúpenie firmy Niko (Slovenská republika: +421 2 63 825 155) alebo váš veľkoobchod. Ďalšie informácie a kontakty nájdete na stránke www.niko.eu v sekcií "Pomoc a podpora".

10. ZÁRUČNÉ PODMIENKY

- Záručná doba je štyri roky od dátumu dodávky. Za dátum dodávky sa považuje dátum fakturácie alebo vydania iného daňového dokladu zákazníkovi. Ak takýto doklad nie je k dispozícii, platí dátum výroby.
- Zákazník je povinný písomnou formou informovať Niko o poruche do dvoch mesiacov od jej objavenia.
- V prípade poruchy výrobku má zákazník nárok na bezplatnú opravu alebo výmenu (na základe posúdenia firmy Niko).
- Niko nenesie zodpovednosť za poruchu alebo poškodenie spôsobené nesprávnou inštaláciou, nesprávnym alebo nedbalým použitím, prepravou výrobku, nesprávnou údržbou, alebo vonkajšími vplyvmi ako sú zvýšená vlhkosť či prepätie.
- Záväzné zákony národnej legislatívy, týkajúce sa predaja tovaru a ochrany zákazníka platné v krajinách, kde sa predávajú výrobky Niko, priamo alebo cez sesterské či dcérské spoločnosti, reťazce, distribútorov, agentov alebo stálych predajných zástupcov, sú nadriadené vyššie uvedeným pravidlám a nariadeniam.

Fig./Abb./Obr. 1



baksteen, beton
verlies: 20-40%

houten wanden en gipswand
verlies: 5-20%

gewapend beton
verlies: 40-90%

afgesloten metalen ruimte
verlies: 90-100%

brique, béton
perte : 20-40%

cloisons en bois et plaques de plâtre
perte : 5-20%

béton armé
perte : 40-90%

espace métallique clos
perte : 90-100%

Backstein, Beton
Verlust: 20-40%

Holz- und Gipskartonwände
Verlust: 5-20%

Stahlbeton
Verlust: 40-90%

Metallumschlossene Räume
Verlust: 90-100%

brick, concrete
loss: 20-40%

wooden walls and plasterboard walls
loss: 5-20%

reinforced concrete
loss: 40-90%

confined metal space
loss: 90-100%

tehla, betón
strata: 20-40%

drevené a sadrokártónové steny
strata: 5-20%

železobetón
strata: 40-90%

uzatvorený kovový priestor
strata: 90-100%

Fig./Abb./Obr. 2

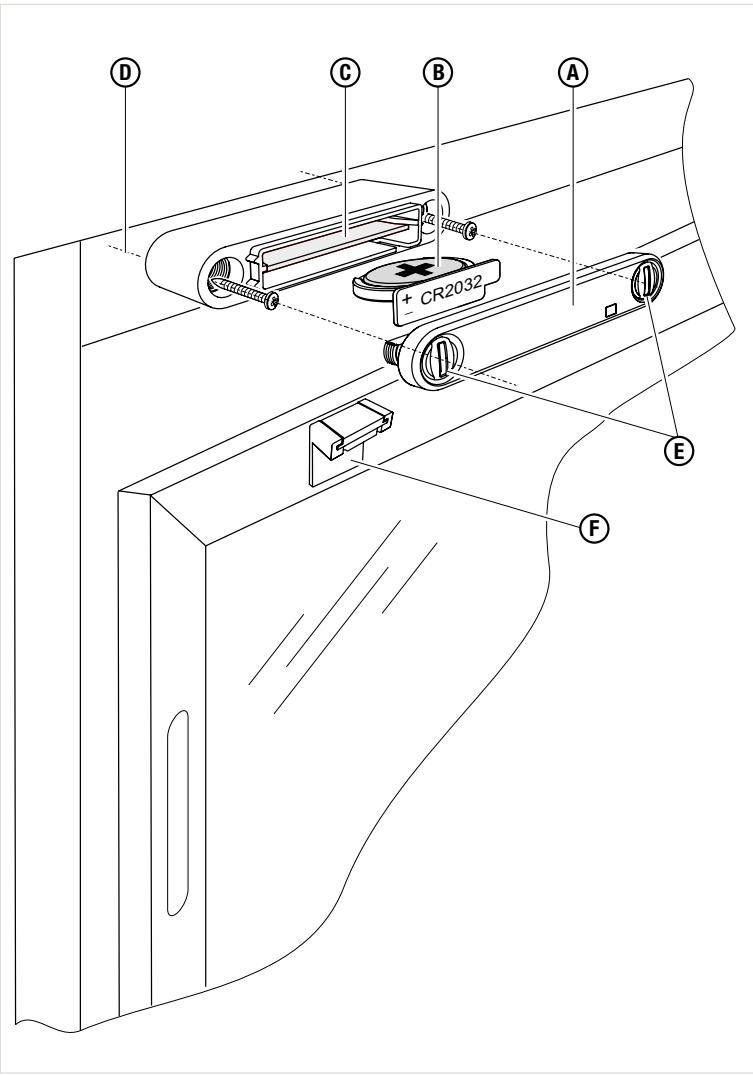


Fig./Abb./Obr. 3

