

# Niko dimmers

Total overview of our solutions



# Niko dimmers

## Always the right lighting

Lighting is more than just switching the lights on and off. With dimmers, you can optimise the light in every space. That's because dimmed light provides pleasant lighting, better ergonomics, and significant energy savings. Dimmers are suitable for any project: houses, offices, schools and work places. Regardless of how old the electrical installation is.

## A dimmer for every type of lamp

Thanks to our **universal dimmers**, there is a solution for every type of lamp. Even with a different type of lamp and a different setting, the universal dimmer continues to dim the luminaire perfectly.



In our range of **flush-mounting dimmers**, you can find rotary and push-button dimmers for all dimmable lamps, even economy lamps and LED lamps.



Do you want to dim high power lights? Or do you prefer push-button control? Choose from **modular dimmers** instead of direct connection in the electrical cabinet. Our modular dimmers are also universal.

Discover the complete product range at [www.niko.eu](http://www.niko.eu).

### Need help searching for the right dimmer?

Niko has a dimmer for every type of dimmable lamp. You can find which dimmer works with which lamp in our dimmer search engine: [www.niko.eu/dimmers](http://www.niko.eu/dimmers).



# One dimmer for every type of lamp?

## No problem!

The **universal dimmers** from Niko dim every type of dimmable lamp. Whether it is incandescent lamps, 230V halogen lamps, low-voltage halogen lamps, economy lamps (CFLi) and even dimmable LED lamps: one dimmer does the job.

Very handy if:

- you don't yet know which lamp you will install.
- you want to replace the lamp type later on.
- you don't know which lamp you actually have.

Every universal Niko dimmer is equipped with a built-in interference suppressor for **PLC signals**, so that your lamp doesn't hum or flicker. The interference suppressor is integrated as standard in every universal dimmer, modular dimmer or dimmer for Niko Home Control for bus cabling or for traditional cabling.

### High-quality dimming for LED lighting

LED lamps are often unpredictable and highly sensitive. Their light stability varies greatly, according to the brand and type. Niko's universal dimmers are specially designed to ensure that LED lighting lights up as steadily as possible.

### 2-wire or 3-wire?

For **new builds** and installations since 1991, you can choose the 3-wire dimmer. Check your installation for complete peace of mind: it is possible that the builder of the house nonetheless installed a 2-wire installation.

Would you like to add a dimmer to a house where no 3-wire installation was installed? No problem. **Existing or older houses** can now be fitted with 2-wire dimmers. The dimming quality of the lighting remains guaranteed with a Niko dimmer.

### What is PLC interference suppression?

The in-built PLC interference suppressor removes as many interfering signals as possible from the mains, so that most lamps glow optimally, without flickering or humming. It is possible that in your area there are more interfering signals than average in the mains. Due to technical restrictions, it is not possible to match the quality of industrial PLC filters.

# Niko universal dimmers

## for new builds and renovations

### Universal flush-mounting dimmers

|  | 3-wire universal rotary dimmer(ref. 310-0190x + xxx-31003)                          | 2-wire universal rotary dimmer(ref. 310-0390x + xxx-31003)                          | 2-wire universal push-button dimmer (ref. 310-0290x + xxx-31002)                     | 2-wire universal connected push-button dimmer for Niko Home Control on traditional cabling* (ref. 551-72201 + xxx-32002) |
|--|---|---|--|--|
|  |   |   |   |                                      |
| Load   | 5 – 325 W   | 3 - 300 W   | 3 - 300 W  | 3 - 200 W  |
| Incandescent lamps                           | ✓   | ✓   | ✓  | ✓  |
| 230 V halogen lamps                          | ✓   | ✓   | ✓  | ✓  |
| Low-voltage halogen lamps                    | ✓   | ✓   | ✓  | ✓  |
| Low-voltage LED lamps                        | ✓   | ✓   | ✓  | ✓  |
| Dimmable LED lamps                           | ✓   | ✓   | ✓  | ✓  |
| Dimmable economy lamps                       | ✓   | ✓   | ✓  | ✓  |
| Integrated PLC interference suppression      | ✓   | ✓   | ✓  | ✓  |
| Extension (for control from multiple places) | max. 5 rotary button extensions (ref. 310-0200x + xxx-31003)                        | max. 30 push buttons NO (ref. 170-0000x + xxx-61105)                                | max. 30 push buttons NO (ref. 170-0000x + xxx-61105)                                 | max. 30 push buttons (ref. 170-0000x + xxx-61105)  |
|  |  |  |  |                                     |

\*Available from September 2019

Modular dimmers

|   | Universal modular dimmer<br>(ref. 330-00700)  | Universal modular dimmer<br>1-10 V<br>(ref. 330-00701)                               | Universal dim module for<br>Niko Home Control<br>(ref. 550-0034x)                                    |
|---|---|--|--|
|   |    |    |                   |
| Load  | 5 – 350 W   | 5 – 350 W  | 2 x 400 W  |
| Incandescent lamps                              | ✓   | ✓  | ✓  |
| 230 V halogen lamps                             | ✓   | ✓  | ✓  |
| Low-voltage halogen lamps                       | ✓   | ✓  | ✓  |
| Low-voltage LED lamps                           | ✓   | ✓  | ✓  |
| Dimmable LED lamps                              | ✓   | ✓  | ✓  |
| Dimmable economy lamps                          | ✓   | ✓  | ✓  |
| Integrated PLC interference<br>suppression      | ✓   | ✓  | ✓  |
| Control   | push button NO<br>(ref. 170-0000x<br>+ xxx-61105)                                   | rotary button 1-10 V<br>(ref. 310-0110x<br>+ xxx-31000)                              | dimming control Niko<br>Home Control (ref. xxx-<br>52043<br>of xxx-52046)                            |
|   |  |  |                 |
| Extension (for control from<br>multiple places) | unlimited number of push<br>buttons NO<br>(ref. 170-0000x<br>+ xxx-61105)           | .  | unlimited number of<br>dimming controls for Niko<br>Home Control<br>(ref. xxx-52043<br>or xxx-52046) |
|   |  |  |                 |







# More comfort

## with additional control points



### Simple push-button dimming from multiple places

A push-button dimmer can be used in a single-pole, a 2-way or an intermediate switch. To dim your dimmable lamp from multiple places, you use a 2-wire universal push-button dimmer (**ref. 310-0290x**) and push buttons NO (**ref. 170-0000x**). You connect the phase and connect the other cable to the connection point on the dimmer. You can link up to 30 extra push buttons.



### Extending rotary dimmers

You can also expand rotary dimmers with other control points.

- With the 3-wire universal rotary dimmer (**ref. 310-0190x**), you can connect a maximum of 5 rotary button extensions (**ref. 310-0200x**).
- You can extend the 2-wire universal rotary dimmer (**ref. 310-0390x**) with a push button NO (**ref. 170-0000x**).

You can switch your lighting on and off via the push button NO.



### Niko Home Control and modular dimmers

You can add as many control points as you want to a Niko Home Control installation and an installation with a universal modular dimmer.

- For installations with Niko Home Control (**modular dimmer ref. 550-00340**), you can opt for single (**ref. xxx-52043**) or double (**ref. xxx-52046**) dimming control with LEDs.
- With the universal modular dimmer (**ref. 330-00700**) you connect push buttons NO (**ref. 170-0000x**).
- Would you like a modular solution with rotary button control? Choose the universal modular dimmer 1-10 V (**ref. 310-00701**) with rotary button control 1-10 V (**ref. 310-0110x**).



# Inspiring examples

## That's how Niko solves it

Are you curious to know how you can dim your house with a few simple actions? In new builds as well as with renovations? Let us inspire you.

### 1. New build: dim your lighting with Niko Home Control

Want to dim the lighting in a Niko Home Control installation? Choosing the correct light level is easy with a dim module in the cabinet and the dimming controls on the wall. A specific three button dimming control provides smooth control over the dimmed lights. The buttons with indication LEDs show if the light is dimmed up or down. You can control any Niko Home Control installation with your smartphone, even when you are not at home.

The universal dimming module from Niko Home Control dims incandescent lamps, 230V halogen lamps, 12V halogen lamps with a ferromagnetic or electronic transformer, dimmable LED lamps (maximum 10) and dimmable economy lamps CFLi (maximum 10).

You can add as many control points as you want.

#### Possible solution:



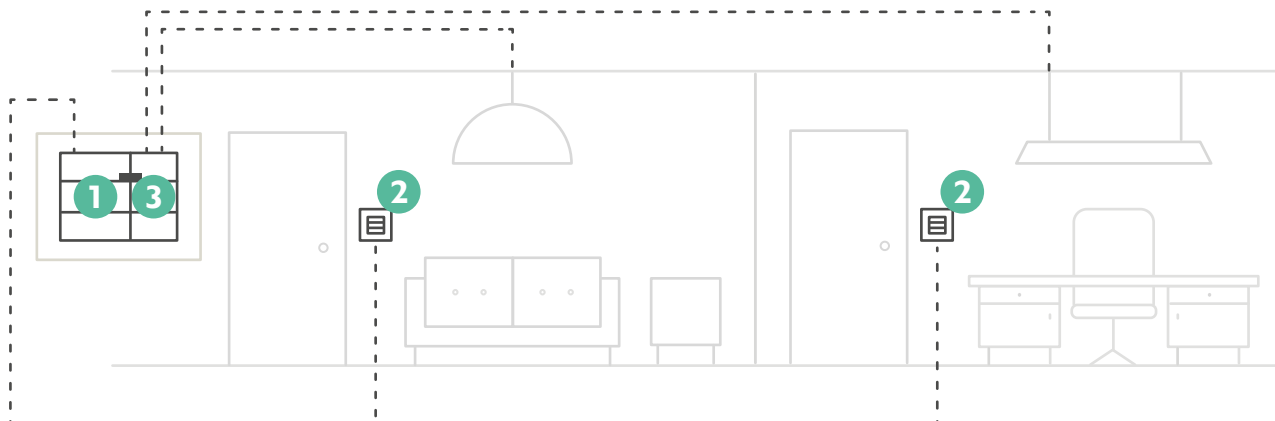
1 x connected controller for Niko Home Control (ref. 550-00003)



2 x double dimming controls with LEDs for Niko Home Control, available in all Niko finishings (ref. xxx-52043)



1 x universal dimming module (2 x 400 W) for Niko Home Control with PLC interference suppression (ref. 550-00340)



Flush surround plates to be ordered separately.  
Product drawings purely illustrative.

## 2. New build: dim your lighting with modular dimmers

Do you want to dim the lights in different places in your new house? Our modular dimmers in the electrical cabinet can dim high power lights. Ideal for controlling the lighting in the living room, the entry hallway, the staircase and the bedroom, for instance. You can configure the modular dimmer in such a way that the lighting switches off automatically after 3 minutes, or use a separate push-button to create an all-off function.

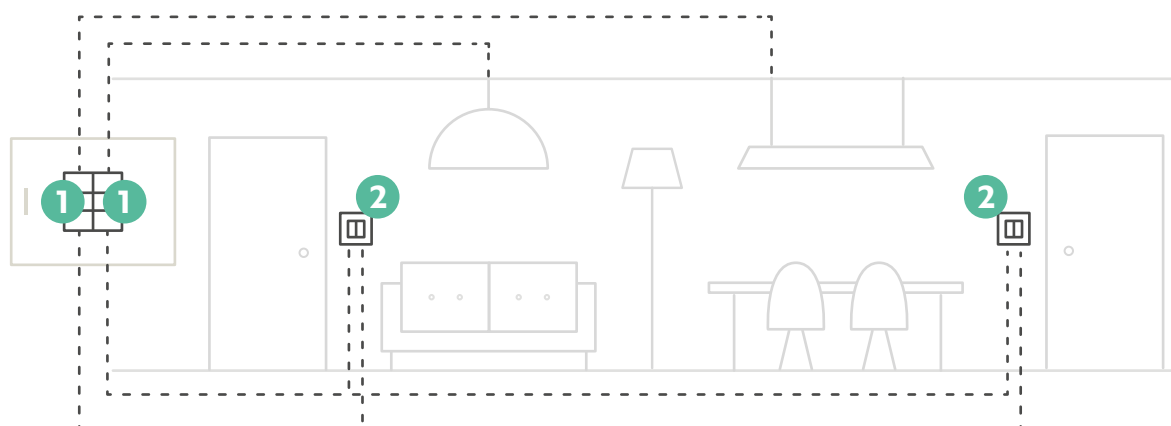
### Possible solution:



1 x universal modular dimmer with PLC interference suppression (ref. 330-00700)



2 x double push buttons NO, available in all Niko finishings (ref. 170-0500x + xxx-61505)



Flush surround plates to be ordered separately.  
Product drawings purely illustrative.

### 3. Renovation: replace a normal switch with a flush-mounted dimmer

Would you like to make it cosier in your bathroom? Then simply replace your switch with a dimmer.  
You can quickly finish the job without drilling or channelling, with both our 2-wire and 3 wire dimmers.

#### What do you need to do?

You remove the single-pole or the 2-pole switch from the wall and install a flush-mounted dimmer in its place.  
It couldn't be easier.

#### Possible solution for 2-wire installations:

1



1 x 2-wire universal rotary dimmer with  
PLC interference suppression, available in  
all Niko finishings  
(ref. 310-0390x + xxx-31003)

or



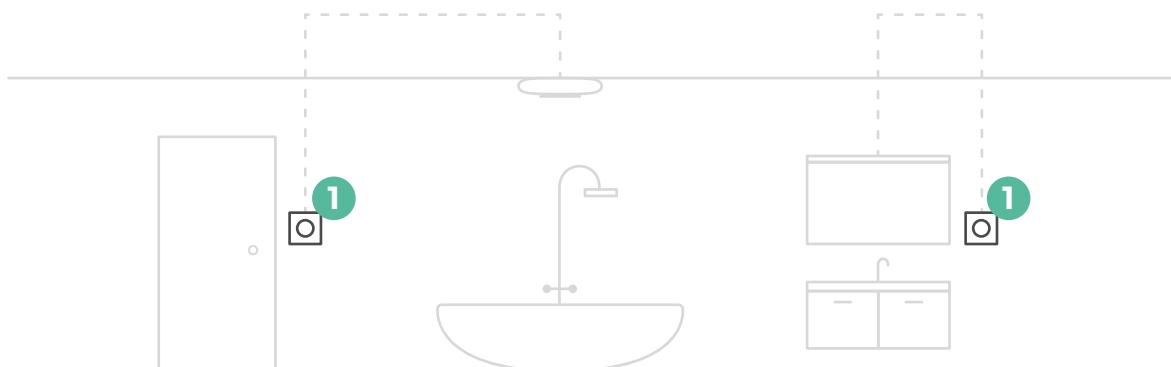
1 x 2-wire universal push-button dimmer  
with PLC interference suppression,  
available in all Niko finishings  
(ref. 310-0290x + xxx-31002)

#### Possible solution for 3-wire installations:

1



1 x 3-wire universal rotary dimmer with  
PLC interference suppression, available in  
all Niko finishes  
(ref. 310-0190x + xxx-31003)



Flush surround plates to be ordered separately.  
Product drawings purely illustrative.

## 4. Renovation: replace 2 two-way switches with a flush-mounted dimmer

You may want to dim your lamp from 2 places, and you will therefore need to replace 2 two-way switches. For instance, in the bedroom with a control point next to the door and one next to the bed.

### What do you need to do?

The switch which is connected with the lamp needs to be replaced by a dimmer, the other one by a dimmer extension.

### Possible solution for 2-wire installations:

1



1 x 2-wire universal rotary dimmer with PLC interference suppression, available in all Niko finishings

(ref. 310-0390x + xxx-31003)

or



1 x 2-wire universal push-button dimmer with PLC interference suppression, available in all Niko finishings

(ref. 310-0290x + xxx-31002)

2



1 x push button NO, available in all Niko finishings

(ref. 170-0000x + xxx-61105)

### Possible solution for 3-wire installations:

1



1 x 3-wire universal rotary dimmer with PLC interference suppression, available in all Niko finishings

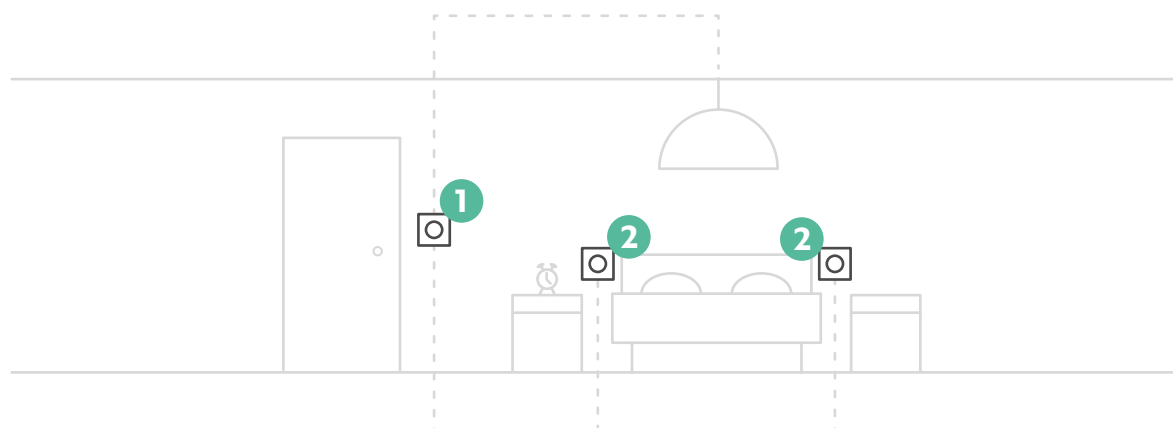
(ref. 310-0190x + xxx-31003)

2



1 x 3-wire rotary button extension, available in all Niko finishings

(ref. 310-0200x + xxx-31003)



Flush surround plates to be ordered separately.  
Product drawings purely illustrative.

## 5. Renovation: replace a normal switch with a connected dimmer

Do you want to switch the main light off in your bedroom, without having to get out of bed? Or control the bedside lamps from the door? This is now also possible for older bedrooms which only have one control point next to the door. Without drilling or channelling. Do you also have a smart hub for Niko Home Control for traditional cabling? Then you can also dim the lighting with your smartphone.

### What do you need to do?

Replace the switch next to the door with a connected dimmer. And affix 2 additional wireless switches next to the bed, wherever you prefer.

**Additional tip:** replace the socket outlets of your bedside lamps with a connected socket outlet, so that you can also control them with the wireless switches or your smartphone. Once again so simple!

### Possible solution:



1 x connected dimmer for Niko Home Control for traditional cabling, available in all Niko finishings  
(ref. 551-72201 + xxx-32002)\*



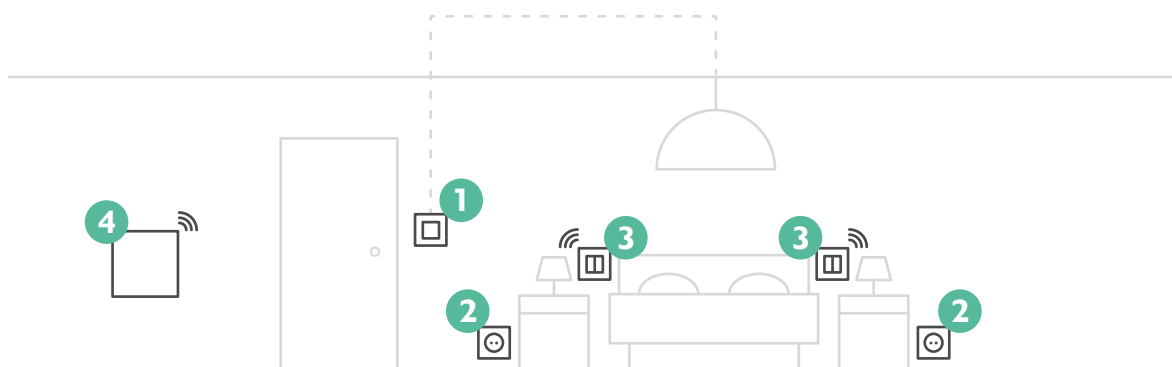
2 x connected socket outlets for Niko Home Control on traditional cabling, available in all Niko finishings  
(ref. 170-34605 + xxx-66930)\*



2 x two-way wireless switches for controlling the room lighting and the bedside lamps, available in all Niko finishings  
(ref. 410-00002 + xxx-00007)



1 x wireless smart hub for Niko Home Control (ref. 552-00001)\*



Flush surround plates to be ordered separately.  
Product drawings purely illustrative.





\*Available from September 2019

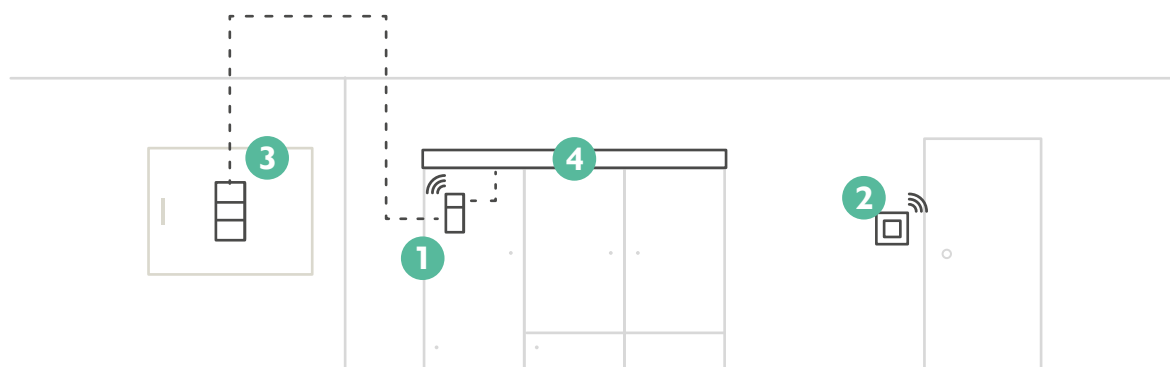
## 6. Renovation: dim LED lighting

Have you chosen Niko LED strips as staircase lighting, mood lighting or indirect lighting? The PWM dimmer ensures very even light distribution from very low to maximum intensity.

You can find more solutions for dimming monochrome LED strips, tunable white LED strips or RGB(W) LED strips in our brochure **LED lighting**.

Possible solution:

- |  |  |  |  |
|--|--|--|--|
|   | 1 x wireless 4-channel constant voltage controller ( <b>ref. 410-00121</b> ) |   | 1 x wireless LED strip control, available in all Niko finishings ( <b>ref. 410-00002 + xxx-90002</b> ) * |
|  | 1 x power supply (60W) for 5 meter LED strip ( <b>ref. 340-00050</b> )       |  | LED strips ( <b>ref. 340-110xx</b> )   |





# Design and finishings

## Something for everyone

### Niko Pure

An **ultra sleek design** in timeless materials? Then there is the refined look of Niko Pure. A series made from special materials full of character and emotion, including bamboo, stainless steel, Bakelite and Plexiglas. Your guarantee of an elegant and sustainable finishing. Affordable leading design.



liquid snow white



white steel



stainless steel on white



champagne steel



alu gold



natural soft grey



alu grey



stainless steel on anthracite



bamboo



natural red



alu steel grey



alu black



black steel



Bakelite® piano black

#### Trendy finishes



dark bamboo on gold



dark bamboo on anthracite

# Niko Intense

With Niko Intense, touch is of the essence. The **sleek shape** and **soft lines** radiate intensity. These switches are for people who love a pronounced warm character.



white



sterling



bronze



dark brown



anthracite

# Niko Original

Prefer **soft lines** and **mild colours**? Then Niko Original is the right choice. For a finishing which is discreetly present.



white



cream



light grey



greige

## Selecting switches with an app

Thanks to the Switch Niko app, your customers can choose their favourite finishing with their smartphone. You can find all information at [www.niko.eu/switch-niko-app](http://www.niko.eu/switch-niko-app).

# Trust the Niko quality

## The right light is a question of control.

Your customers are in safe hands thanks to your knowledge and experience. You expect the same from us. You're right. That's why we test each product **extensively** in our own laboratory and with external parties. Is there anything which can be improved? Then we'll get right on it. That way, you can start the job with robust material. We're only happy when each product satisfies our **quality norms** down to the smallest details.

What does this mean in practice? With a Niko dimmer, your lighting is stable, without disturbing any other appliances. In the event of an overload, the safety function automatically kicks in. And all universal dimmers have PLC interference suppression as standard. Because quality matters.



## 4 year warranty

At Niko we have complete assurance in the quality of our products. That's why Niko offers a 4 year warranty instead of the statutory 2 year warranty. The warranty period starts **from the delivery date** and the invoice date counts as proof. Have you lost your invoice? Then we will use the production date as a guide. The warranty consists of a **repair or replacement free of charge** or a **credit note**.



Niko designs electr(on)ic solutions to enhance buildings to better suit the needs of the people who live and work in them. By using less energy, by improving light comfort and safety and by making sure all applications work together seamlessly. Buildings with Niko are more efficient, are controllable from a distance and interact within bigger ecosystems. Niko is a Belgian family business from Sint-Niklaas with 600 employees and 11 European branches.

At Niko we ask ourselves just one question every day: "How can we enhance buildings to better suit your needs?"

**Niko nv**

Industriepark West 40

BE-9100 Sint-Niklaas

[sales.be@niko.eu](mailto:sales.be@niko.eu)

Tel +32 3 778 90 00

Fax +32 3 777 71 20

[www.niko.eu](http://www.niko.eu)

**niko**  
*Illuminating ideas.*