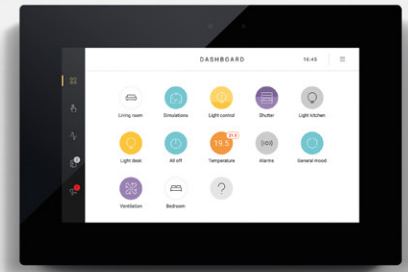
Niko Home Control

Your home works better with Niko

PROFESSIONAL | BUS WIRING

niko


DASHBOARD
16:45
Living room
Simulations
Light control
Shutter
Light kitchen
Light desk
All off
19.5
Temperature
Alarms
General mood
Ventilation
Bedroom

Contents

Would you like to learn more about the products you can install on traditional wiring, take a look in the Niko Home Control brochure for traditional wiring at **www.niko.eu**.


DASHBOARD

Your home works better with Niko Home Control

Live more comfortably and safer, whilst saving maximum energy. Niko Home Control is the electrical installation that allows you to control the lighting, heating, ventilation, roll-down shutters, air conditioning and curtains from a central location in your home (or anywhere in the world) and stay in control of your front door. The possibilities of Niko Home Control? They are endless. Thanks to its timeless design, the system fits seamlessly into your interior.

New buildings, conversions, major and minor renovations: **thanks to Niko Home Control you can fulfil every home automation requirement, suiting every project, budget and customer**. For your customers with new buildings, conversions or major renovations, Niko Home Control for **bus wiring** is the ideal solution. The flexibility of the system provides them with endless possibilities for expansion in the future. For customers who want to make their home smart without any demolition or want to do partial renovations on a limited budget, Niko Home Control can be installed on **traditional wiring**.

Smart open system

Do your customers have smart systems from other brands in their home? Niko Home Control is easy to connect to the systems from various **high-quality partners**. Automatic connection to the installation. In 1,2,3 your customer can adjust the sun blinds, open a rooftop window from the ground floor, control the air quality any time of day or control their Sonos of Bose music installation.

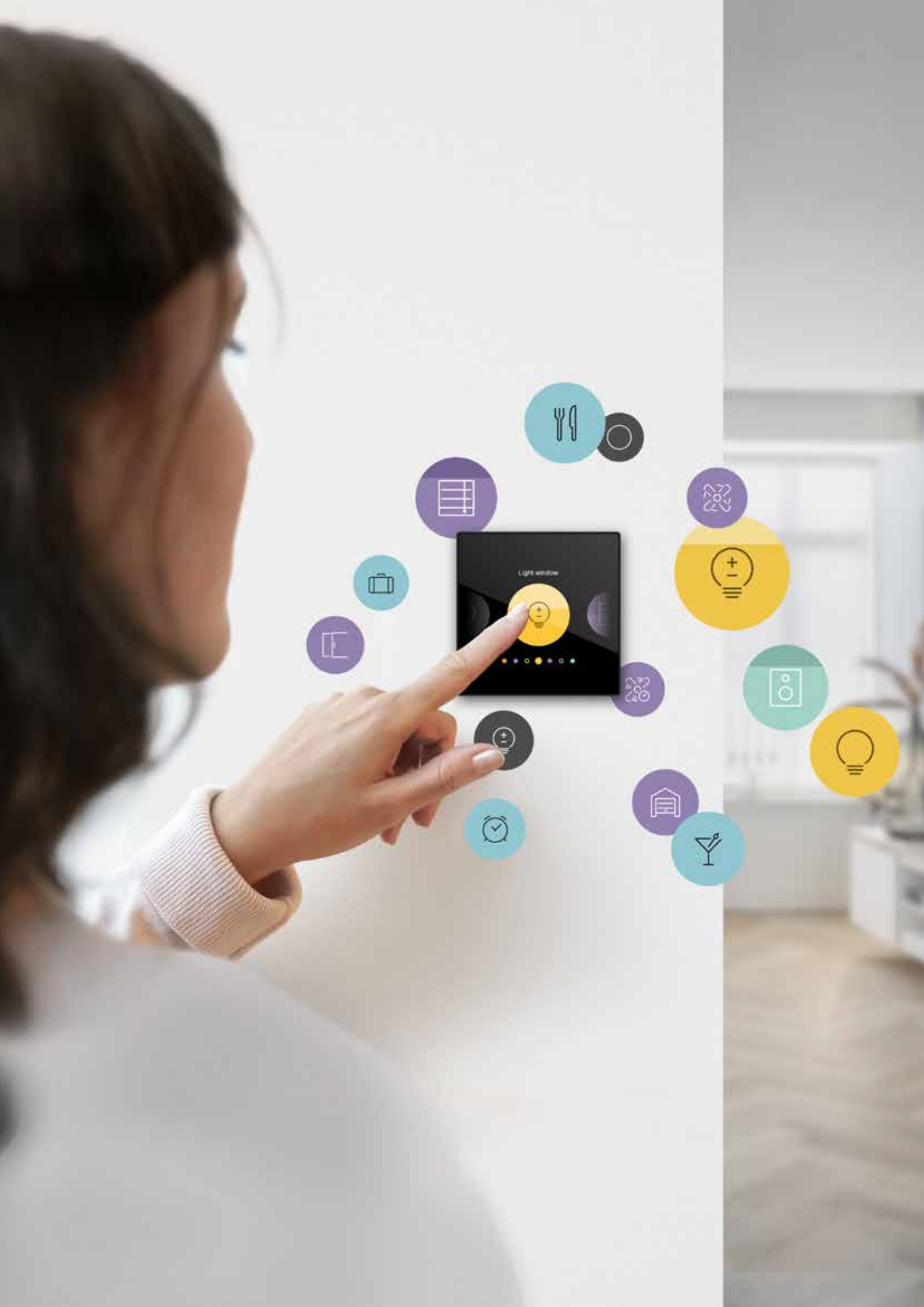
Belgian quality and expertise

With **100 years of experience**, including over 20 years in home automation, Niko is the market leader and an established name in Belgium. With Niko Home Control, you're choosing genuine Belgian expertise. Niko also has a great reputation across Europe. Innovation and quality are at the heart of everything we do.

GROUNDBREAKING

Complete control for
every home, every time.


NOT
WALL BREAKING


Light window

Groundbreaking, not wall breaking

Complete control over your home, at all times. Whether it's a new build, total renovation or partial renovation, with Niko Home Control you now have the possibility to make your home smarter for every project and every budget. Even **without channelling or drilling**, because you don't need to adapt your existing wiring. You can start with an affordable basic installation **which you can gradually extend in the future**.

That way, Niko Home Control offers a wide range of new possibilities for every home. Lighting, heating, ventilation, roll-down shutters, sun blinds, sound systems, smart energy meters, etc. You control everything in the house centrally via Niko Home Control. This not only provides additional comfort, but also makes your home more secure, flexible and energy-efficient.

Niko Home Control, one ecosystem:

- available for every type of cabling, project and budget
- smart open system
- award-winning design
- Belgian quality and expertise, for more than 100 years already

Make every home smart with Niko Home Control

With Niko Home Control you have a solution to help all your customers make their home smart. Whether you install Niko Home Control on bus wiring or traditional wiring, you always use the same platform and the same user-friendly programming software. Your customer also controls their installation with the existing user software and intuitive app.

Bus Wiring: Complete home automation, endless possibilities and flexible control

Is your customer building a new house or extensively renovating a current home and also replacing the electrical wiring? Then choose the flexibility and future stability of Niko Home Control for bus wiring.

All of the system's components communicate with each other via the connected controller. This makes the system smart, gives it an unlimited number of possibilities and the customers have the flexibility to expand their installation in the future. Do your customers want an extra switch or sensor? They can be easily added without having to adapt the wiring. Do you want to connect smart systems from our partner brands to Niko Home Control? That's also possible with Niko Home Control for bus wiring.

Traditional wiring: Make your customer's home smart without cutting or breaking

In **existing homes with traditional wiring** you can reuse the existing electrical wiring and fuse boxes with Niko Home Control. No extra space is needed in the electrical cabinet. The original switches and socket outlets in the existing installation can be easily replaced by connecting switches and socket outlets that you configure according to your customer's wishes.

Standard functions don't need to be programmed, they work automatically. Do you want to add more functionalities and give your customer more comfort? All you have to do is add **the wireless smart hub.** You can start programming immediately and give your customers almost the same possibilities as an installation with bus wiring. And because your customer's existing system is reused, you can offer them Niko Home Control without the added costs for new wiring.

If you install Niko Home Control on traditional wiring, the possibilities for expansion are more limited. You can't mount the switches and socket outlets on the wall, they must be flush-mounted.

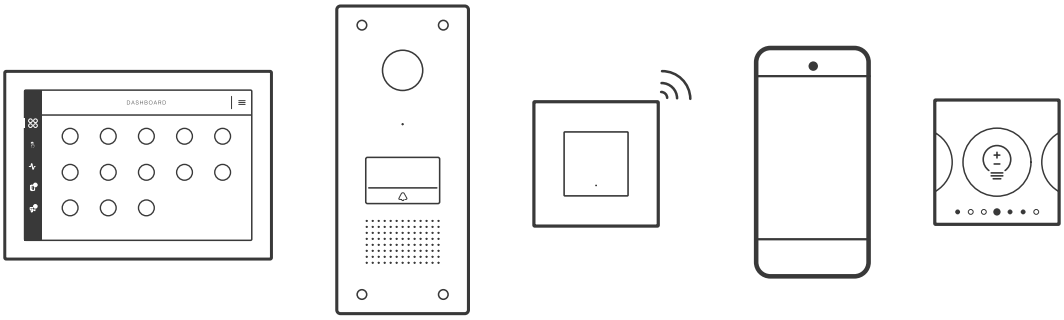
Pour en savoir plus sur les produits à installer sur du câblage traditionnel, consultez notre brochure Niko Home Control pour câblage traditionnel sur www.niko.eu.

Niko Home Control for bus wiring

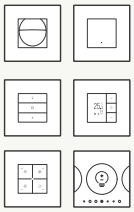
Complete flexibility, endless possibilities

Niko Home Control for traditional wiring

Low barrier, standard functions work without programming



The connected controller
One main brain

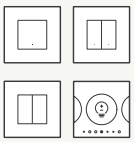


Flexibility of operation
User-friendly design, fewer controls needed

Heating – ventilation
Control of heating and ventilation

Digital / Analogue IN
Smoke detectors, CO_2 detection, water leaks, external alarm

The wireless smart hub for Niko Home Control
Connect the controls and sensors with the internet



Connected controls
Basic controls: switches, socket outlets, dimmers, roll-down shutter control, motion detectors

works with the Google Assistant · JUST ASK alexa · Works with IFTTT

compatible with our partners

SONOS · BOSE · VELUX · REYNAERS · DUCO · RENSON · SMA · Vaillant · Bulex · Saunier Duval · NIBE · MITSUBISHI ELECTRIC · DAIKIN · aldes · protherm

compatible with our partners

SONOS · BOSE · DUCO · RENSON · SMA · Vaillant · Bulex · Saunier Duval · NIBE · MITSUBISHI ELECTRIC · DAIKIN · aldes · Danfoss · protherm

Offer may vary by location. Please check with your local reseller for a complete list of compatible partner systems.

Why installers choose Niko Home Control

Bus wiring

Effortlessly easy

Your customers' needs are central for Niko Home Control. As an installer, you have all the tools needed to meet your customers' needs. An electrical installation that is fast and easy to install and easy to program. Give your customers lots of added value without a lot of extra work.

And whether they choose bus wiring or traditional wiring: **with Niko Home Control you'll have a suitable answer for every home automation question for every home**. For both systems, you as an installer, only need 1 programming software, and your customers just 1 app for their smartphone. Both you and your customers always use the same tools.

Quick and simple to install and program

Surface-mounting

All basic functions are programmed in 1 central module. The connected controller controls the entire installation and makes it accessible always and everywhere. It delivers power supply to the bus, the modules and the controls. It also connects the installation with the IP devices (such as touchscreen, Digital black and external video unit) and connects the installation to the internet. The connected controller makes remote control with a smartphone and tablet standard, both indoors and outdoors.

The built-in router means you no longer need knowledge of IP. Standard is the connection of 3 IP devices. With a switch, this number is easily expanded. Thanks to the unique wall-mounted printed circuit board concept, you only need 1 flush-mounting for almost all controls, even for multiple controls. Only the intelligent push buttons with display and the indoor motion detector must always be mounted on a flush-mounting box instead of a wall-mounted printed circuit board.

Bus wiring

You must fit flush-mounting boxes with bus wiring on all control points. Afterwards, you can choose the type and number of controls you wish to have in that location. You connect the controls with cheaper, non-polarised 2-wire cabling and Digital black via another (SVV, TPVF, UTP …) cable on a 24 Vdc power supply. The typology is free with standard available cables such as SVV, JYSTY, UTP, STP, TPVF, etc. Because you link all control points, less cabling is needed. You connect the touchscreen with 1 cable. And you can always add wireless controls according to the Easywave protocol.

Cabinet lay-out

Each function in the installation has its own module. Thanks to the modules, Niko Home Control can be built up with a good overview in the electrical cabinet. They don't take up much space. You link them with a unique sliding contact, which means less cabling is needed. They consume hardly any energy, produce minimum heat and have a long life span.

Easy to program

You can wirelessly connect the laptop with the connected controller and walk through the home while completing the addressing. You have access to a diagnostics page analysing the set-up and the functioning of the installation in real time. You can easily solve any issues and it reduces the chances of errors. The extensive wizard helps you program the more complex actions. Change or add functions? That's also quick and easy.

Graphical visualisation of the installation you are working on. The design is clear and easy to follow as well as intuitive. Programming back-up stored within the installation.

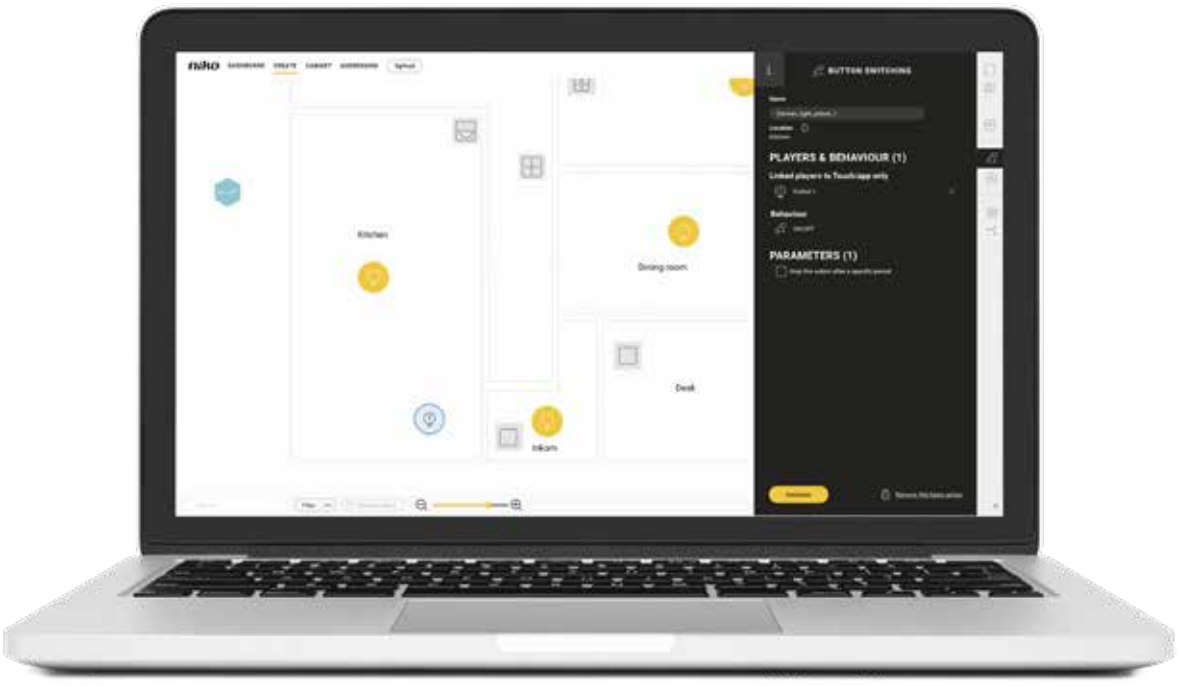
Your customers can adapt the installation themselves without accessing the basic configuration. They can adapt their profiles as well as their atmospheres or time automation and download and install software upgrades.

Always connected

Does Niko Home Control notice something is not right in the home? Your customers will receive alert messages on their smartphone. This way, they are always connected with their residence and they have complete control. If necessary, they can respond and act immediately.

Easy to expand

And systems from our partner brands that are linked together via the home network or the internet are compatible with Niko Home Control for bus wiring. For example, you connect your customers' Sonos or Bose music installation or the VELUX roll-down shutters effortlessly to their installation.



Future-proof living in a connected world

Convince your customers too

Every family is different. And everyone evolves. Niko Home Control is easily adapted to **the needs of your customers and their family**, no matter how they might evolve. Now and in the future.

Your customers want to live more comfortably, safer and energy conscious? Or adapt their home to remain living there longer? **It's possible with Niko Home Control, whatever their type of home or budget**. In a **user-friendly way**, they control lighting, roll-down shutters, sun blinds, music installations… While heating and ventilating more consciously, and saving energy.

Thanks to Niko Home Control they have **complete control over their home** via a touchscreen, their tablet or smartphone, anywhere in the world. You only link those functions and locations to each touchscreen that they wish to control from that particular touchscreen. With the user-friendly programming software, your customer can personalise their installation and make changes without any risks.

Niko Home Control on bus wiring

Essentials

The basic installation already offers your customers more possibilities than a traditional electrical installation would. With Niko Home Control, the resident chooses simple, intuitive and always modifiable controls via push buttons with clear function symbols. They can set preferences and add or modify moods, names and automatic time settings.

With one push of the everything-off button, lighting and other systems you want shut down are all turned off. Programmed timers switch lights on and off, giving you even more control. Presence simulation and a panic button increase the feeling of safety. With their smartphone and tablet, they are always in control of their home, anywhere in the world.

Comfortable living

Niko Home Control can not only be controlled via buttons, your smartphone or tablet, but also with a central touchscreen on the wall. With dimmers, motion detectors and mood control, your customers choose complete ease of use. For each activity they can set the right mood, which can be chosen with one push of the button. Automatically controlled lighting outside, in the toilet, storage areas and the dressing room, provides more comfort and saves energy.

Living safely

If Niko Home Control detects something suspicious, your customers will receive a notice on their smartphone. The roll-down shutters go up if the smoke detectors detect fire and the lighting is automatically switched on as soon as it gets dark or once motion is detected. Connection to an alarm system switches on the lighting in case of unwanted visitors. A push on the panic button switches all lights on at once. If they're not home, the presence simulation automatically controls the lighting and roll-down shutters in the morning and evening. And thanks to the video unit at the front door, they can use their touchscreen, tablet or smartphone to see who is at the door.

Energy-conscious living

Thanks to zone heating, your customers can heat each room at different temperatures and at different times. Smart ventilation responds to presence and the lights in the room. Roller blinds, curtains and sun blinds are controlled automatically. With connected switching socket outlets, your customers can easily turn connected devices on or off and measure the energy consumption of those devices. Via the touchscreen, a separate eco display, smartphone and/or tablet, they have access to their home's energy consumption at all times. Niko Home Control controls our partners' ventilation, heating and energy management systems automatically.

Independent living

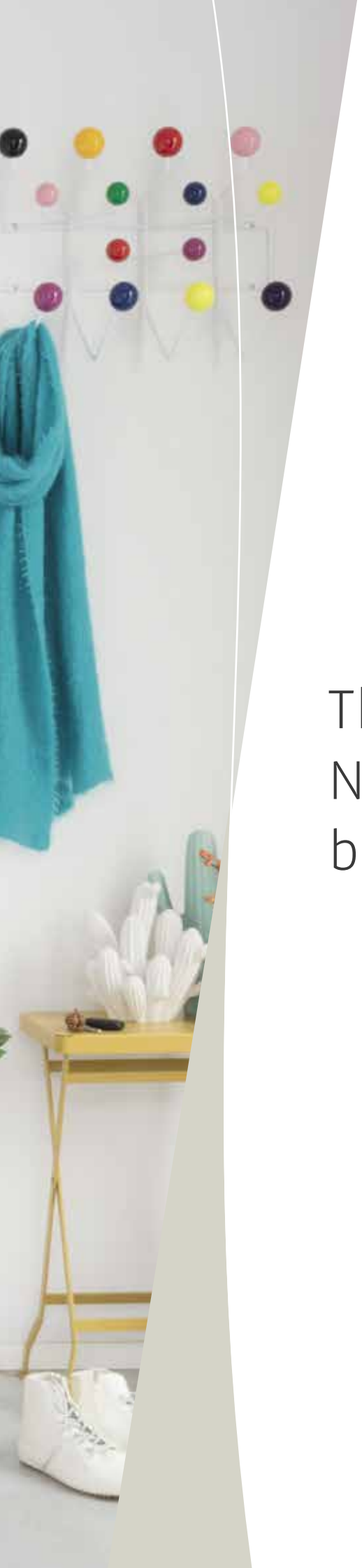
Easily adapt Niko Home Control to the new needs of your existing customers. Stick or screw our wireless controls precisely where your customers need them. Electrical devices that can lead to dangerous situations, such as ovens or hobs can be turned off automatically. In emergency situations, a wireless panic button quickly warns a family member or trusted person. And when Niko Home Control does not register any movement for several hours when your customers are home, a family member will receive an alert on their smartphone. No matter what you program: your customers remain in control and can easily turn off any function.

	Niko Home Control installation	
Functionality	traditional wiring	bus wiring
Switch lights on or off	●	●
Connections wherever you like (socket outlet, Internet, TV)	●	●
Central control with smartphone/tablet	●	●
Change the scene with one press of a button	●	●
All-off button	●	●
Presence simulation	●	●
Warning function	●	●
Built-in alarm and alert service	●	●
Central control via touchscreen and Digital black	●	●
Change the scene with dimmed light circuits	●	●
Smooth operation via display controls		●
Automatic lighting via detectors (indoors)	●	●
Automatically dim the landing lights at night	●	●
Automatic front door light		●
The right music whenever and wherever you like	●	●
Dim lights	●	●
Switch lights on or off automatically using detectors	●	●
Door and window protection with detectors		●
Fire alarm at home, but also on your smartphone		●
Movement detection	●	●
Alarm functionalities via routines	●	●
Receive call from your front door (even when you're not at home)		●
Automatic ventilation	○	●
Central heating and hot water only when needed	○	●
Central heating only in the places where it is needed		●
Control shutters, blinds and curtains	●	●
Manage your energy consumption	■	●
Manage your self-consumption	■	●
Control socket outlets	●	●
Inform family in an emergency	●	●
Open the door from your armchair or away from home		●
Automatically switch off household devices	●	●
Personal alarm button	●	●
Wireless buttons wherever you like	●	●

○ With traditional wiring, only possible with partner systems (via API connection). See which quality partners Niko links with at **www.niko.eu/partners**

■ Niko Home Control for traditional wiring is compatible with the digital/smart meter in Belgium and the Netherlands.


Light kitchen
Evening
Shutter living room
21.4
Thermostat reading room



The possibilities of Niko Home Control for bus wiring

Easy installation for bus wiring

The connected controller

The nerve centre of Niko Home Control for bus wiring

The connected controller controls the **logics of Niko Home Control** for bus wiring and supplies the **power** to the bus, modules and controls. It connects the installation with the **IP devices** (such as touchscreen, Digital black, smartphone and external video unit) and connects them to the internet. After registration, control via smartphone and tablet is enabled and you can enjoy the Niko services for **upgrade, personalisation or diagnosis** of the installation.

Programming is done via the **programming software** on the computer and is then saved to the controller. The connected controller records all installation data, which can be read at any time. The programming software also allows the programming of time-controlled functions and function preconditions. In the programming software, the **diagnostics page** can also be requested. This page gives you all kinds of useful information about the installation (server connection, bus communication, error messages, status of the bus modules and controls) and can help you to find the cause of a possible issue.

Structured set-up of the electrical cabinet

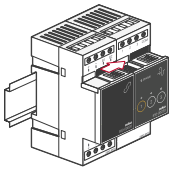
The electrical cabinet is set up from left to right and starts at the bottom left with the **connected controller**. All additional modules are mounted onto the DIN rail to the right of the controller and are interlinked **via a unique sliding contact**. By using this system, less cabling will be required. This reduces the installer's workload and **offers a clearer overview of the set-up**. As soon as a row is complete or the maximum number of 12 rail modules has been reached, you use the next row. A **rail coupler**, or an extra power supply if needed, should be used first at the left **beginning of every new DIN rail**. In order for the subsequent rows of DIN rail modules to communicate with one another, simply interconnect the four wires of the bus and power supply from the previous row to the connection terminals.

What if the installation includes several electrical cabinets?

If the distance between the electrical cabinets is **less than 20 metres**, they are treated as one single cabinet. There is no need for an additional power supply.

Simply interconnect the four wires of the bus and power supply. If the distance between the electrical cabinets **exceeds 20 metres**, use a new power supply for the second cabinet. In this case, only the bus should be interconnected.

Bus wiring



The bus wiring in the cabinet is very limited. All modules on one rail are connected together via a sliding contact. This provides them with power supply and bus communication. Simply interconnect the various rows via the rail coupler to the four wires of the bus and power supply.

A **two-wire bus cable** provides power to the various control elements outside the electrical cabinet. The wiring diagram has a **free topology**, which means you are not bound by a fixed cabling diagram. All controls are easily and quickly connected thanks to **the non-polarised cabling**. Simply connect the two wires in the terminals with no risk of a faulty connection.

The distance between the connected controller and the furthest point in the installation depends on the **cable thickness**:

- diameter: 0.8 mm (section: 0.50 mm^2), e.g. SVV, JYSTY → 250 m
- diameter: 0.6 mm (section: 0.25 mm^2), e.g. TPVF → 150 m
- diameter: 0.5 mm (section: 0.20 mm^2), at least AWG24, e.g. UTP, FTP, STP → 100 m

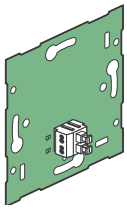
Wall-mounted printed circuit boards

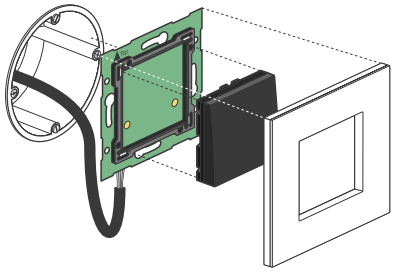
Niko's concept of wall-mounted printed circuit boards is truly unique. The wall-mounted printed circuit boards allow you to easily integrate controls into the installation. Only **one flush-mounting box** is required at each control location. You only have to decide between single or multiple printed circuit boards during the last stage of the project. This allows the resident to delay the decision about the number of controls required at each location until the last stage as well. Only the intelligent push buttons with display and the indoor motion detector must always be mounted on a flush-mounting box instead of a wall-mounted printed circuit board. As needs change, the installation can be adjusted to continue to suit the resident's needs. This is done by simply selecting a different wall-mounted printed circuit board and flush surround plate.

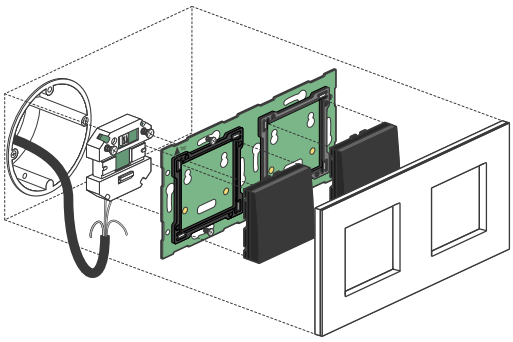
Only need one wall-mounted printed circuit board?
Choose between the traditional **wall-mounted printed circuit board with connector and the wall-mounted printed circuit board with bridge**. The wall-mounted printed circuit board with bridge is ideal for use on very uneven walls or in situations where you need to combine control functions with functions other than those of Niko Home Control.

Do you prefer multiple wall-mounted printed circuit boards?
Even in this case, **one flush-mounting box** will suffice. Decide whether you prefer to work towards the top, bottom, left or right from the flush-mounting box. Need more push buttons? The wall-mounted printed circuit board concept **allows you to add controls without the need for additional drilling or channelling work**. You connect the installation cables onto the multiple wall-mounted printed circuit board via a connection unit. You mount this connection unit anywhere on the wall-mounted printed circuit board.

You mount the printed circuit boards onto the wall using screws or claws. A set of claws is to be ordered separately.







Controls

Depending on the resident's preference, Niko Home Control can be operated using push buttons (with or without display), a touchscreen or Digital black, a smartphone and/or a tablet (both in and outside the home).

Push buttons

All controls in the Niko Home Control installation follow the design of switch series Niko Pure, Niko Intense or Niko Original. The push buttons are also available with LED to indicate the status of that particular control function. Almost all controls can be mounted onto a flush-mounting box using a wall-mounted printed circuit board. Only the intelligent push buttons with display and the indoor motion detector must always be mounted on a flush-mounting box instead of a wall-mounted printed circuit board.

Recommended installation height:

- regular controls: mounting on wall-mounted printed circuit board, 90 to 110 cm above floor level.
- intelligent controls with display: mounting in flush-mounting box, 120 to 150 cm above floor level.

Want to replace a double push button by a six-fold? Need an additional control unit or a new design? All this can be achieved without any problems, because of the assembly system based on wall-mounted printed circuit boards. Niko Home Control supplies power to these types of control units via the two-wire connection. No additional module is required in the electrical cabinet. Connect Digital black via a separate (SVV, TPVF, UTP …) cable to a separate 24 Vdc power supply.

You can choose from:

- **control for lighting**
  single, double, 4-fold or 6-fold

- **dimming control**
  single or double

- **push buttons for motor control**
  (e.g. roll-down shutters, curtains or sun blinds), single or double

- **ventilation control**

- **Digital black**
  compact and intuitive control screen
  - combine a maximum of 12 controls
  - user decides which actions he wants to control and how he organises them

- **intelligent push buttons with back-lit colour display:**
  - mood control: the resident creates different mood settings for different occasions. Includes the option of automatic sensor-controlled mood settings.
  - thermostat: The thermostat can be mounted in any room fitted with a radiator, floor-heating system, heating unit or cooling unit. You can select zone heating or cooling for up to 20 different zones.
  - eco display: Depending on the installed measuring module (electricity meter or pulse counter), the resident will be able to monitor his electricity consumption and/ or gas and water consumption. He presses the eco-button to switch off all lights and connected circuits upon leaving the home. The presence simulation can also be activated with a simple push of a button.

- **wireless controls** according to the Easywave protocol


Lights window

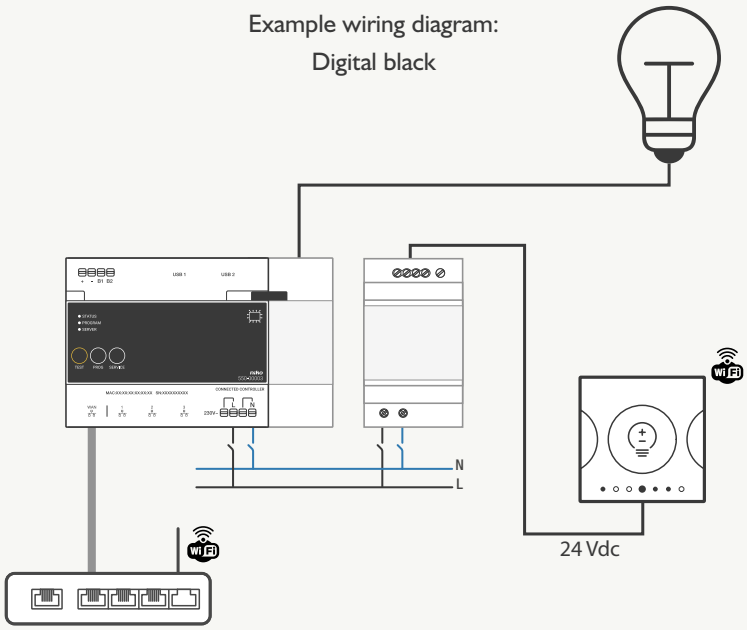
Digital black

Control various Niko Home Control controls en atmospheres with this intuitive control screen. Connect Digital black via a separate (SVV, TPVF, UTP …) cable to a separate 24 Vdc power source and add it to the Niko Home Control installation via the programming software. Afterwards, your customer can configure which functions he wants to control with the screen in the configuration app for smartphones. Does the user want to modify the functions, rearrange the controls or even choose a different way of navigating? He can easily configure Digital black with his smartphone.

Thanks to Niko Digital black, you can combine the simplicity and easy operation of a normal switch with the flexibility of an adjustable control screen.

- control your lighting, roll-down shutters, ventilation, music and atmospheres and more with 1 screen.
- up to 12 controls or atmospheres
- digital control no larger than a switch
- simple for the customer to configure with a smartphone
- intuitive control in 1 movement thanks to the proximity sensor
- sharp image quality with large viewing angle allows variable mounting height
- if you have a connection to a smart heating installation from one of our partner brands, or a Niko Home Control thermostat (ref. 550-13050), then you can easily set the temperature

Example wiring diagram:
Digital black



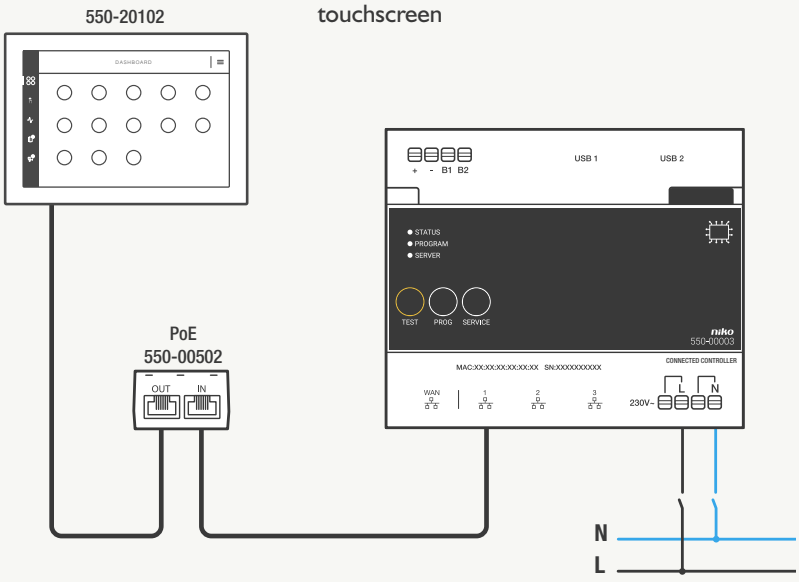
Touchscreen

The Niko Home Control installation is **easily operated** by the resident via the touchscreen. Using the **user-friendly interface** the resident controls all functions within the home **in one central location**. Switching lights on and off, dimming them, controlling roll-down shutters ... The resident decides which functions he wishes to control per touchscreen.

The touchscreen also displays details about electricity, gas and water consumption at any time. In addition, the touchscreen serves as an internal video unit in combination with the Niko Home Control external video unit.

To connect the touchscreen, an additional cabinet module is not necessary. The connected controller takes care of everything. In addition, it has an integrated router so you can connect three IP devices without an extra Ethernet switch Similar to the controls, you simply mount the screen onto **one flush-mounting box.** You connect the touchscreen via one twisted pair cable (UTP, FTP or STP) to the Power over Ethernet power supply (PoE). Alternatively, you can also place a separate 24 Vdc power supply in the cabinet. In that case, you need both a power supply cable (SVV, JYSTY, TPVF, UTP …) and a UTP/STP cable for data communication. If you opt for a connection with one UTP/STP cable only, you will need less cabling and the installation process will be easier. It is recommended to mount touchscreen at eye level and at least 150 cm above floor level. This way, the screen can easily be viewed by all residents.

Example wiring diagram:
touchscreen

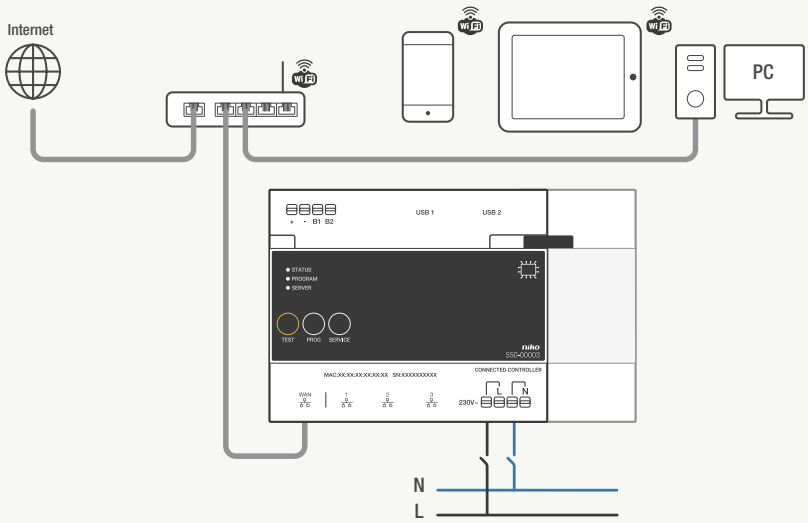


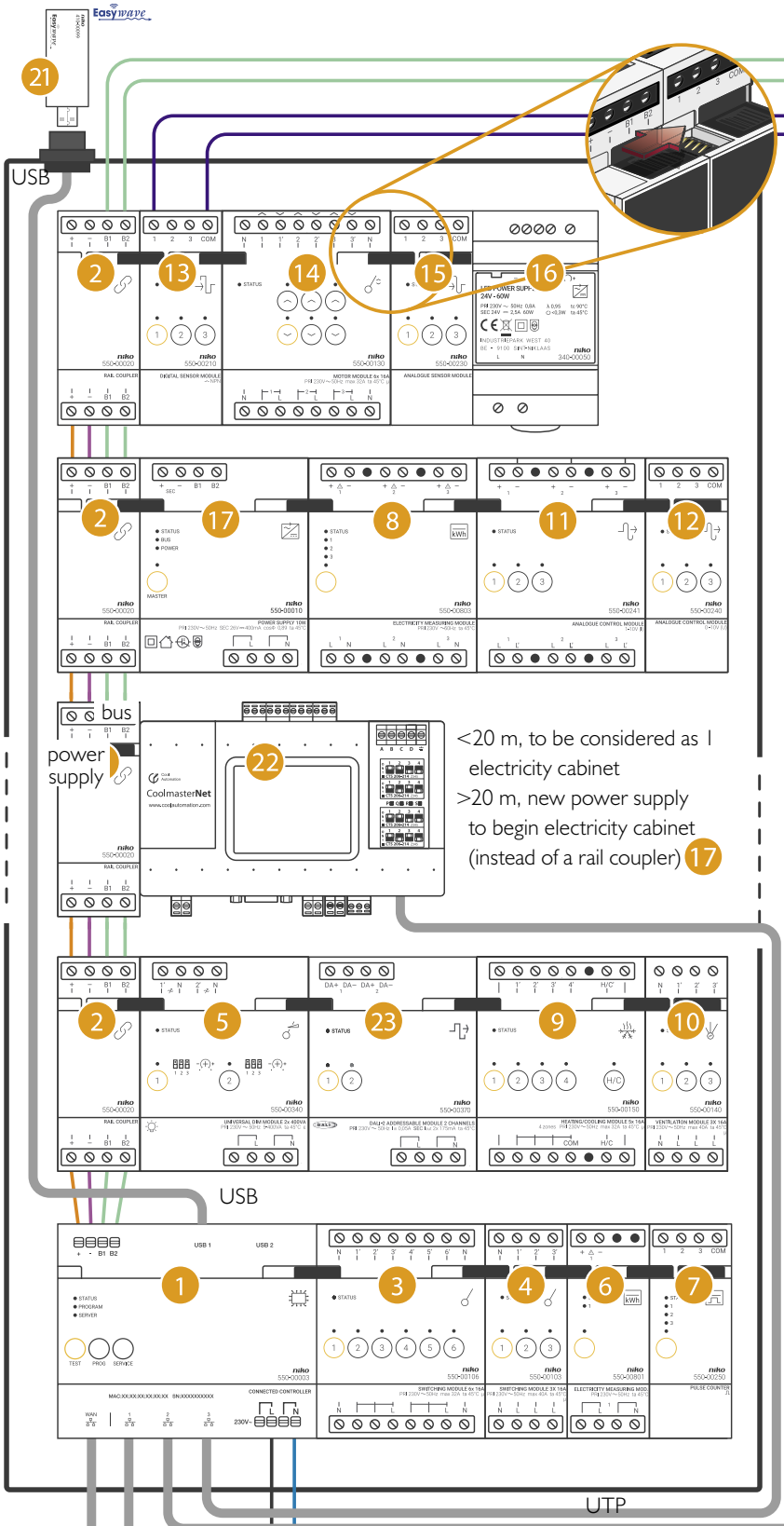
The app

Operating the system using mobile devices, offers the same functionalities and is just as easy to use as the Niko Home Control touchscreen. The Niko Home app is available for smartphones and tablets with iOS (iPhone and iPad) or Android operating system.

The connected controller provides all basic functions to remotely control the installation both inside and outside of the home. The resident must register on **https://mynikohomecontrol.niko.eu** to be able to control his installation via smartphone or tablet.

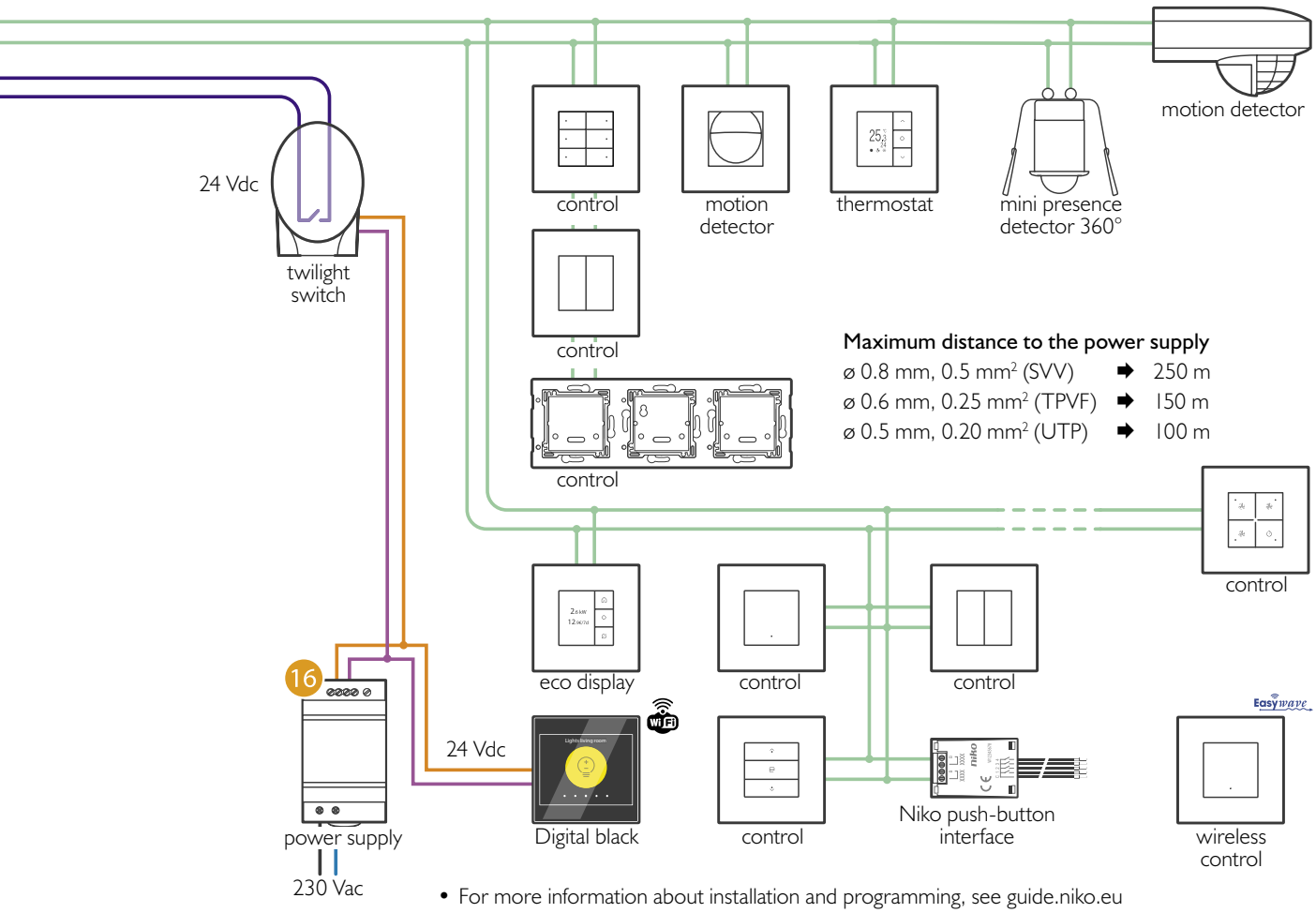
Example wiring diagram:
smartphone and tablet





1. Connected controller (6U) 550-00003
2. Rail coupler (2U) 550-00020
3. Switching module 6 circuits (4U) 550-00106
4. Switching module 3 circuits (2U) 550-00103
5. Universal dim module (4U) 550-00340
6. Measuring module (2U) 550-00801
7. Pulse counter (2U) 550-00250
8. Measuring module (4U) 550-00803
9. Heating/cooling module (4U) 550-00150
10. Ventilation module (2U) 550-00140
11. Analogue control module 1-10 V (4U) 550-00241
12. Analogue control module 0-10 V (2U) 550-00240
13. Digital sensor module (2U) 550-00210
14. Motor module (4U) 550-00130
15. Analogue sensor module (2U) 550-00230
16. Power supply 24 Vdc 340-00050
17. Power supply (4U) 550-00010
18. PoE power supply 550-00502
19. Touchscreen 550-20102
20. External video unit 550-22001
21. USB RF interface 410-00099
22. HVAC-interface 550-0055X
23. DALI-2 Adressable module, 2 channels (4U) 550-00370, DALI-2 Broadcast version: 550-00371

two-wire, non-polarised - free topology

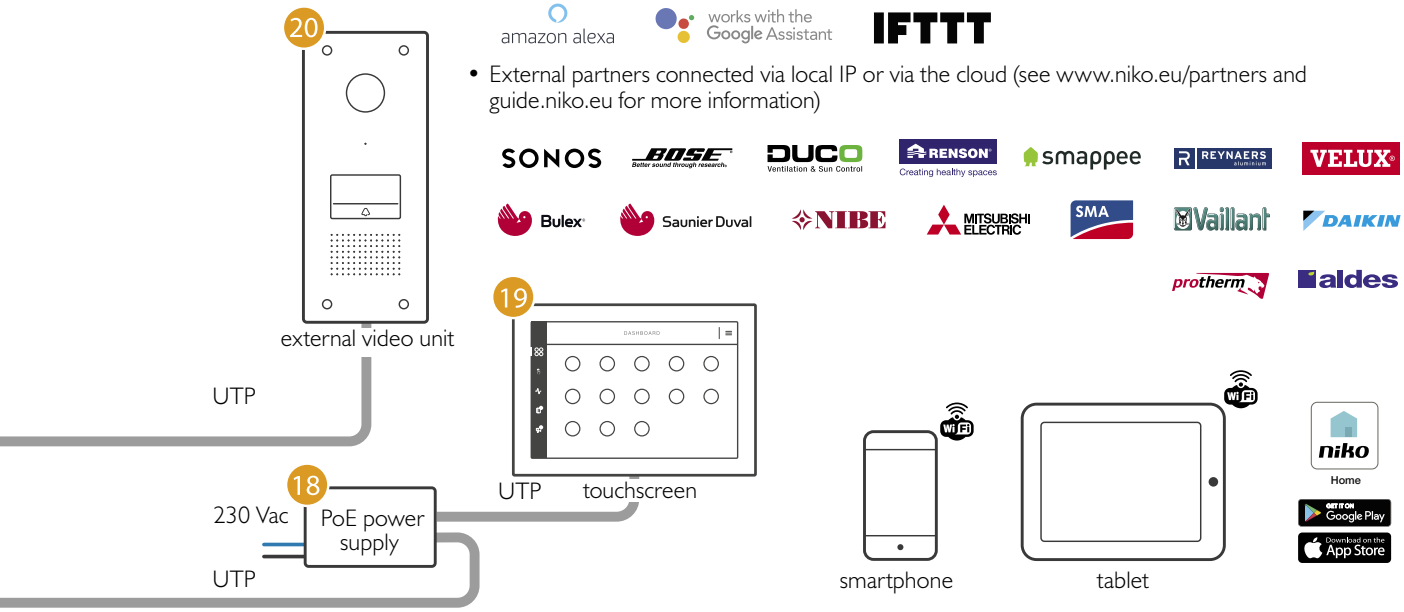


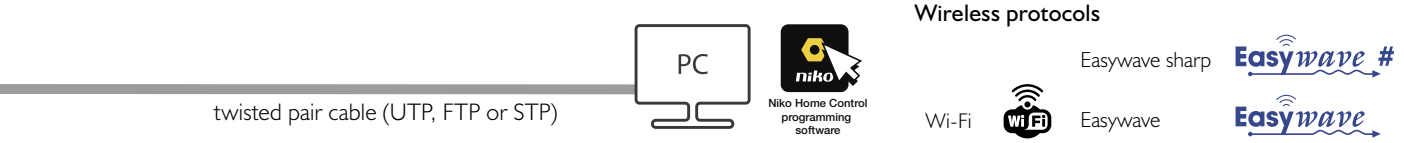
- For more information about installation and programming, see guide.niko.eu
- Consumer ecosystems (see guide.niko.eu for more information)

amazon alexa · works with the Google Assistant · IFTTT

- External partners connected via local IP or via the cloud (see www.niko.eu/partners and guide.niko.eu for more information)

SONOS · BOSE · DUCO · RENSON · smappee · REYNAERS · VELUX · Bulex · Saunier Duval · NIBE · MITSUBISHI ELECTRIC · SMA · Vaillant · DAIKIN · protherm · aldes

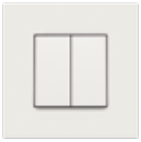




Wireless protocols

Wi-Fi · Easywave sharp · Easywave

Lighting



A house must have good and efficient lighting. Your customers must be able to control their lighting comfortably, without first having to try all the switches. Various new lighting sources have also come onto the market in recent years. New light sources such as these use much less energy than traditional bulbs. This has created a whole new range of possibilities in the field of mood, colour and accent lighting for the home. With Niko Home Control you switch and dim every light source in a user-friendly way.

Lighting with Niko Home Control

Modular

- dimensioning: three- or six-fold switching module.
- 2 circuits dimmable per dim module

A simple, quick and orderly installation process

- dimmer and dimming control in one module
- by using a sliding contact, you do not need to interconnect the bus via cables
- if the cabinet is not provided with a terminal strop, connect the neutral conductor to the modules via clamps
- ultra-compact modules require minimal space in the electrical cabinet
- on the six-fold switching module, the contact points are interconnected in groups of three on the supply side of the fuse
- long life span as a result of the innovating and patented technology used in the dimming and switching module

Easy control

- **indication LED**s ensure that the resident easily finds the control unit in the dark, and indicate whether any of the lights have been left on.
- **user-friendly control**:
  - push buttons
  - mood control with display
  - automatic control via the motion detector
  - central control via touchscreen and Digital black
  - control by smartphone and tablet
  - automatic control via analogue or digital detectors
- your customers dim their lighting with 1 button or a dimming control in which they save their preference settings.
- the **compact controls** (up to six-fold) require minimal space on the wall
- wireless controls according to the Easywave protocol can be placed where drilling or channelling work is not possible or desired
- with the programming software, your customers can easily add or adjust new moods or automatic time settings
- with **Digital black** you can even group and modify up to 12 controls with the accompanying configuration app whenever you want

Saving energy

- effortless connection and dimming of halogen lamps, incandescent lamps, energy-saving LED and economy lamps
- **ultra-low energy consumption** due to the bistable relays in the switching modules
- if your customers wonder if they turned off the lights after leaving, then they can check their smartphone to see if they did

Lighting control via detectors

Do your customers wish to avoid having to constantly turn the light on and off? Or reduce the electricity consumption of their lighting? Detectors are the perfect solution. The mounting of the mini detector into the ceiling is as good as invisible. You use it as a presence or absence detector. Thanks to the built-in photo cell, the mini detector also takes the amount of daylight into account. You can choose whether it responds only to daylight, movement or both.
as presence detector, the lighting automatically switches on and off
as an absence detector, the lighting is switched on using a push button and it is switched automatically once the detector no longer detects movement

Switching light circuits and socket outlets

Every switch in the switching module switches a maximum of 16 A if it is a purely ohmic load. Check the table below to find out the **maximum load for each type of lighting**.

Type of lighting	Maximum rms current
Incandescent lamps, 230 V halogen lamps (ohmic load)	16 A
Low-voltage halogen lamps with ferromagnetic or electronic transformer	10 A
Fluorescent lamps, non-compensated or serial-compensated	10 A
Fluorescent lamps, parallel compensated	6 A
Economy lamps (CFLi), LED lamps and HF fluo (lamps with electronic control gear – ECG)	3 A

Important points

- total load on a module should not exceed 32 A
- do not connect different phases to the same module
- provide a 16 A fuse for the wall outlet circuit when switching socket outlets

Dimming lights

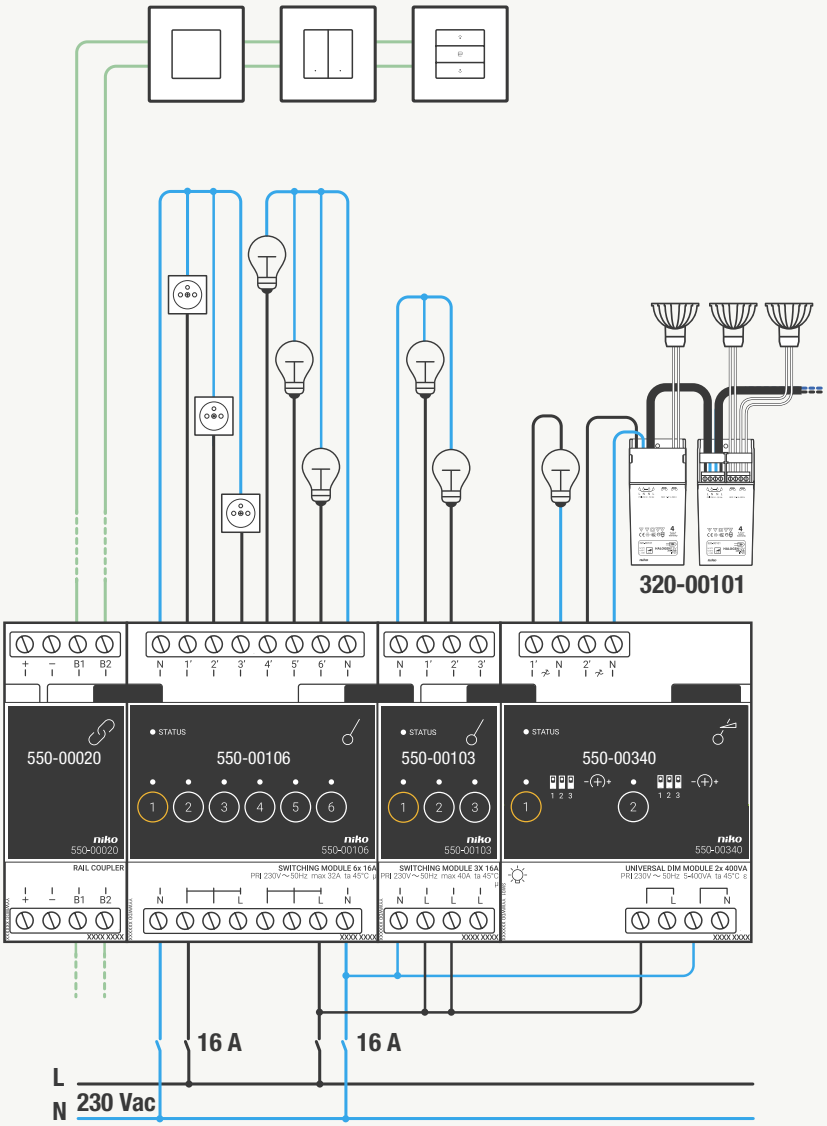
The universal dimming module is a DIN rail module with two channels for dimming lights from 10 to 400 VA (at 45°C) or 500 VA (at 35°C) per channel. You set the minimum level and the type of lighting using the DIP switches and potentiometer on the front of the module.

with the dim module your customers dim:

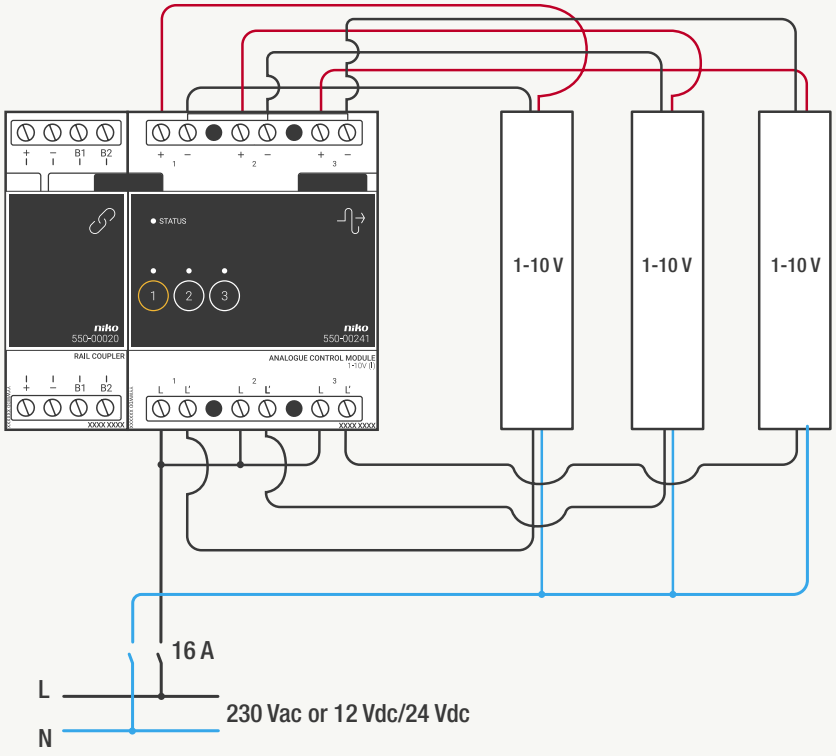
- incandescent lamps
- 230 V halogen lamps
- 12 V halogen lamps with ferromagnetic transformer
- 12 V halogen lamps with electronic transformer
- dimmable LEDs or LED fittings
- dimmable economy lamps (CFLi)

With the analogue control module 0-10 V and 1-10 V, your customers can control high power dimmers and electronic control gear to dim fluorescent lamps and LED strips.

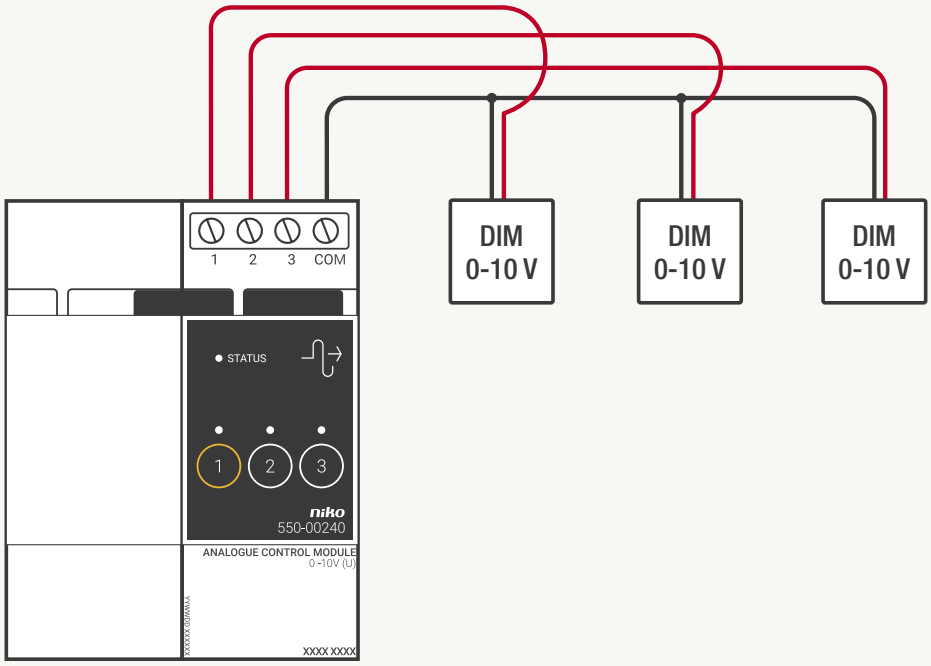
Example wiring diagram: 5 connected light circuits 3 connected switching socket outlets and 2 dimmed light circuits



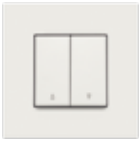
Example wiring diagram:
3 dimmers (1-10 V)



Example wiring diagram:
3 dimmers (0-10 V)



Control windows



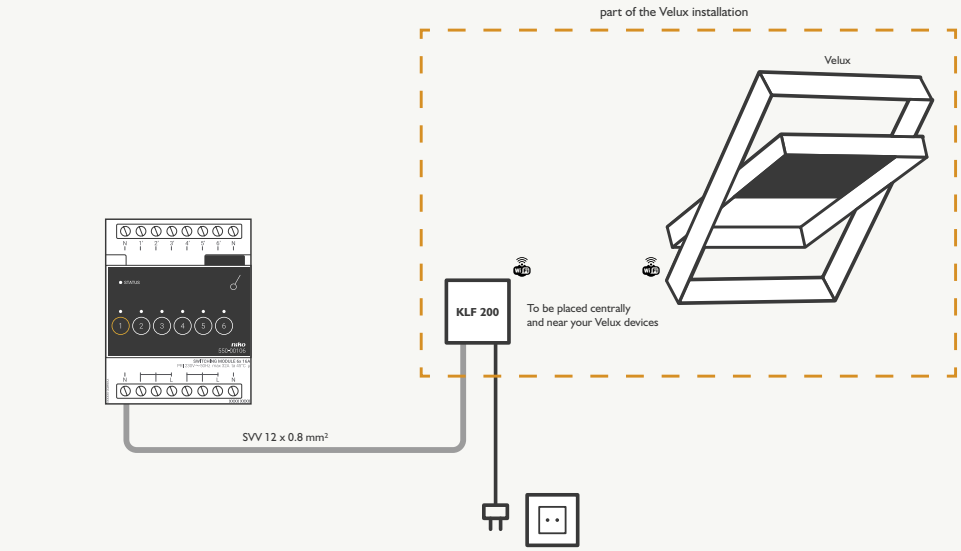
Windows open when it's raining? As soon as the sensors detect rain, Niko Home Control closes them automatically. This way you prevent rain from getting indoors and you make your customers' homes safer. And when your customers leave, they close their electric windows automatically with the all-off button. Thieves don't have a chance.

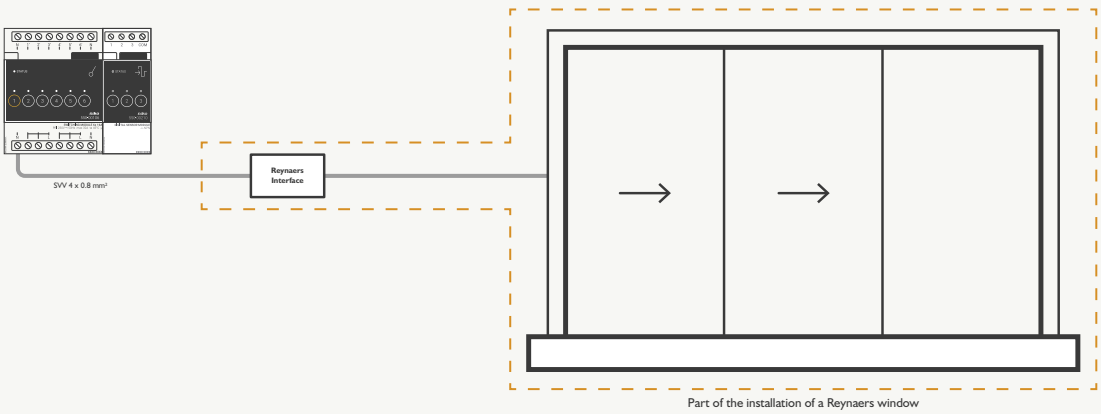
Control windows with VELUX and Reynaers

Connect the electric roof windows from VELUX and electric sliding windows from Reynaers to Niko Home Control. Your customers now control their windows with the Niko Home Control installation. And they add the smart solutions from VELUX and Reynaers to Niko Home Control.

Discover how to connect your smart devices to Niko Home Control at **www.niko.eu/partners/windows**.

Example wiring diagram:
control windows with VELUX and Reynaers





Control your roll-down shutters, sun blinds and curtains

These days, many houses are fitted with motorised roll-down shutters, sun blinds or curtains. At night, roll-down shutters provide **protection and a feeling of security**, whilst **keeping out unwanted sunlight** during the day. Sun blinds help maintain a **comfortable temperature inside the home** and help reduce **glaring sunlight**. These features are useful, but they require a lot of running back and forth each day. Even when no-one is in the house, the roll-down shutters can be closed at night or the sun blinds can roll down automatically. Once again, Niko Home Control addresses the resident's needs.

Control your roll-down shutters, sun blinds and curtains with Niko Home Control

Modular

- ultra-simple dimensioning: one module controls three, to be switched separately, motors.

A simple, quick and orderly installation process

- by using a sliding contact, you do not need to interconnect the bus via cables
- if the cabinet is not provided with a terminal strop, connect the neutral conductor to the modules via clamps
- ultra-compact modules require minimal space in the electrical cabinet
- operation mode programmable via the programming software: preferred settings, running time for opening and closing …

Easy control

- **sense of security:**
  - even when the resident is not at home, the roll-down shutters will be closed automatically or the curtains will close, at whichever time and for however long he wants.
  - indication LEDs ensure that the resident easily finds the control unit in the dark
- **user-friendly and comfortable control:**
  - push buttons
  - automatic control based on calendar settings and heat sensors: get the most out of the heat of the sun
  - central control via touchscreen and Digital black
  - smartphone and tablet, also when you are not at home
  - personal settings possible, e.g. when watching television
- **the compact control units** require minimal space and follow the design of other Niko switching materials
- with the app on their smartphone or tablet, your customers can always set their roll-down shutters and sun blinds in the desired position, wherever they are, so they work seamlessly with their ventilation and air conditioning
- your customers can add or adjust moods or automatic time settings in the programming software

Saving energy

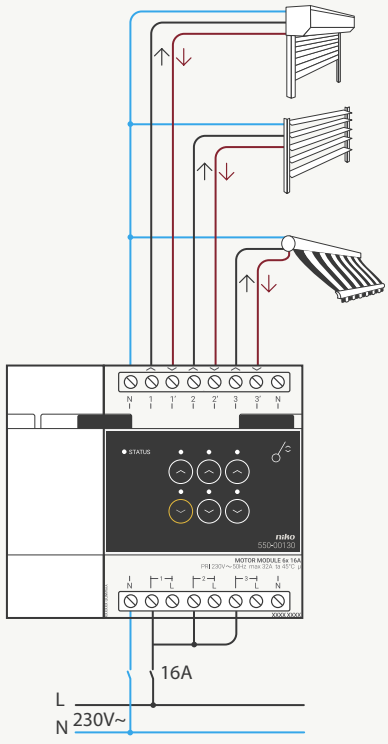
- Automatic operation of sun blinds eliminates the need for energy wasting air-conditioning units. As soon as the heat reaches a certain temperature, the sun blinds are closed, even when no one is at home at the time. This saves energy and prevents the home from becoming too hot.

Control roll-down shutters with VELUX

Connect the roll-down shutters from VELUX to Niko Home Control. Your customers now control their roll-down shutters with the Niko Home Control installation. And they add the smart solutions from VELUX to Niko Home Control.

Discover how to connect your smart devices to Niko Home Control at **www.niko.eu/partners/windows**.

Example wiring diagram: control of 230 V motors for roll-down shutters or awnings



Please note

- Do not connect different phases to the same module.
- Do not switch different voltage levels on the same module.
- each channel can have a maximum capacity of 6 A.

Control Venetian and vertical blinds

Venetian blinds and vertical blinds offer privacy and keep out unwanted sunlight.
Niko Home Control makes it user-friendlier to operate these blinds. The operation runs automatically, even when the resident is not at home. This energy-efficient solution ensures that indoor temperatures are kept within limits.

Control Venetian and vertical blinds with Niko Home Control

Modular installation:

- **ultrasimple dimensioning**: one module controls up to three Venetian blinds or vertical blinds.

A simple, quick and orderly installation process:

- by using a sliding contact, you do not need to interconnect the bus via cables.
- you select the control logic via the software.
- ultra-compact modules require minimal space in the electrical cabinet
- Venetian blinds/vertical blinds and motors are controlled via the same module.
- operation mode programmable via the programming software: preferred settings, running time for opening and closing…

Easy control

- indication LEDs **ensure that the resident easily finds the control unit in the dark**.
- user-friendly and comfortable control:
  - push buttons
  - automatic control based on calendar settings and heat sensor
  - central control via touchscreen and Digital black
  - smartphone and tablet, also when you are not at home
- **compact control units** require minimal space on the wall and follow the design of other Niko switching materials.
- using **remote control** the resident can set the Venetian and vertical blinds at the desired height so that the ventilation, Venetian/vertical blinds and air conditioning are linked together seamlessly.

Saving energy

Automatic operation of Venetian blinds and vertical blinds eliminates the need for energy wasting air-conditioning units. Even when no one is home, the Venetian blinds or vertical blinds will be closed as soon as the temperature in the resident's home reaches a certain level. This guarantees cooler temperatures inside the home upon arrival back home.

A motor for operating Venetian blinds and vertical blinds

A 230 Vac or 24 Vdc motor operates the Venetian blinds or vertical blinds. **230 Vac** operation works the same as roll-down shutters operation. For 24 Vdc operation, you need **two switching contacts for each Venetian blind** or vertical blind. These contacts are available from the supplier.

Position control

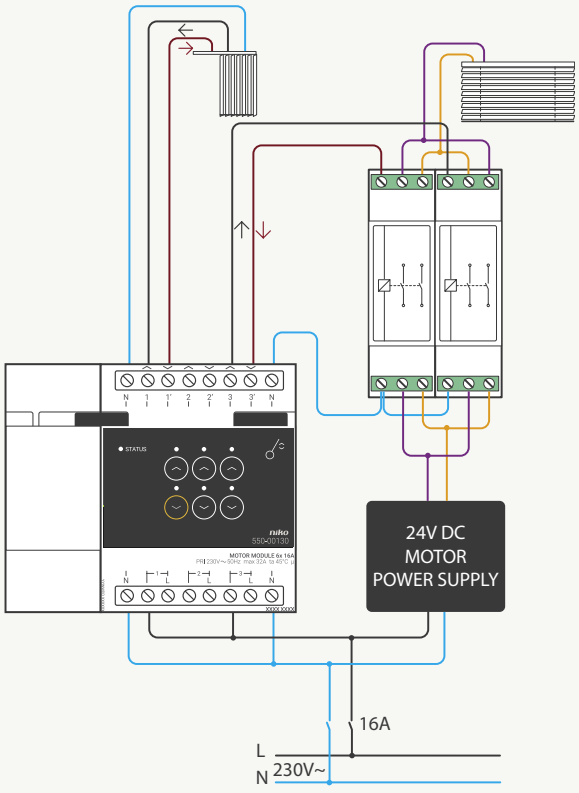
You can turn or tilt Venetian blinds or vertical blinds in several different positions to let in or keep out the desired amount of light.

2 control methods

- pulse control for brief tilting or turning time
- standard roll-down shutter control with longer tilting or turning time

You program the Venetian or vertical blinds via the programming software. The motor module can give very short (minimum 40 ms) pulses. This is how you program your control very precisely.

Example wiring diagram: control of motor for Venetian blinds or vertical blinds



Control the front door

You decide who to let in without walking to the door and/or front gate. Access control is the solution for this. Your customers can see who is at the door on the touchscreen. They can talk to their visitors and let them in. And when they come home, they can check the call log book to see who was at the door while they were away. Use their smartphone or tablet as extra internal unit.

Control the front door with Niko Home Control:

- you only need one Ethernet cable
- the external video unit is connected directly to the connected controller
- the control logic is in the connected controller
- the Niko Home Control modules control extra actions such as electric door locks

You connect the external unit and the connected controller with a twisted pair cable (UTP, FTP or STP) and RJ45 connectors:

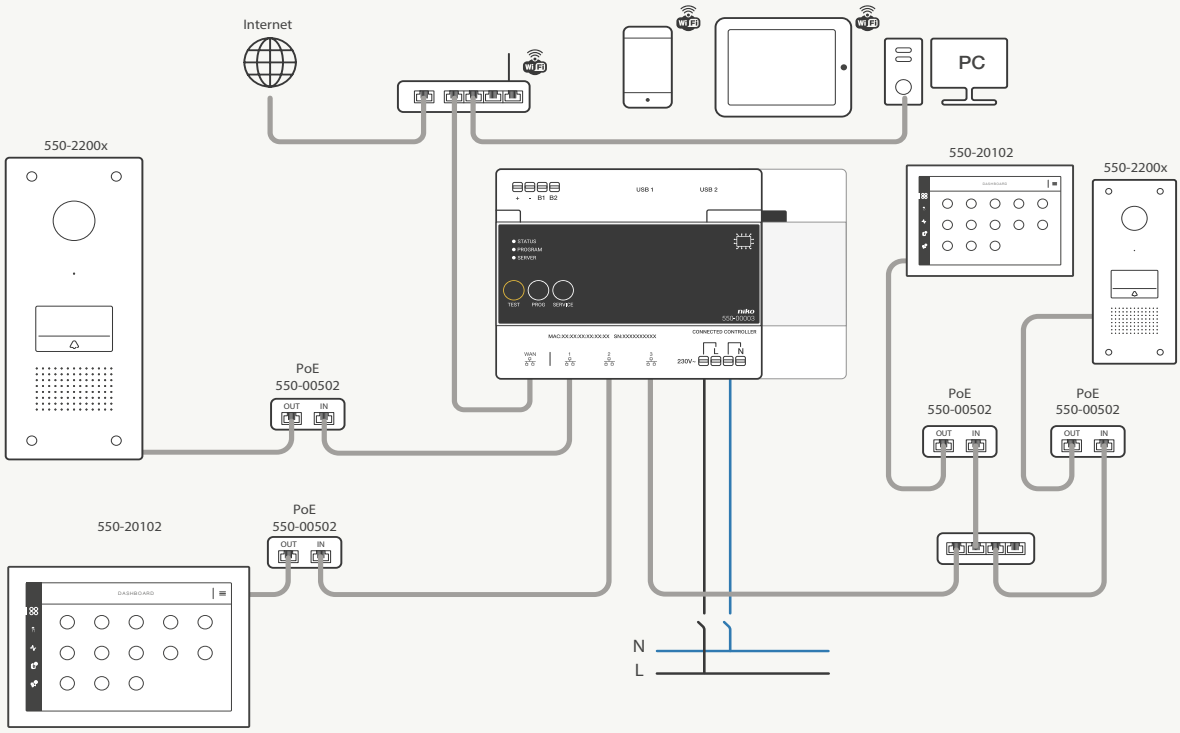
- from external unit to the Power over Ethernet power supply (PoE)
- from the Power over Ethernet power (PoE) to RJ45 port 1, 2 or 3 of the connected controller, you must connect 3 devices using an Ethernet switch
- in the external unit itself, the wires of the cable are placed in the approach terminals
- The connected controller receives the function of a SIP server and knows where to send the incoming calls:
- to the touchscreen, via cable.
- and/or to the app on your customers' smartphone or tablet via WiFi

Easy control

- **great ease of use**
  - your customers open their door and/or gate via the touchscreen, the app on their smartphone or tablet or even just with the Niko Home Control control
  - flexible control via the touchscreen, possibly supplemented by a smartphone or tablet
  - the external unit is equipped with a HD-camera with a 130° detection angle
  - the camera automatically records a video of every caller, so your customers can consult the call log book on the touchscreen
  - thanks to the full-duplex speech connection, your customers and their visitors can communicate with each other without having to wait until the other has finished talking.
  - the integrated microphone reduces background noises such as the sounds of a noisy street to a minimum.
  - the touch buttons even respond to gloves: vandalism, damage and wear, as was the case with old-fashioned buttons, are no longer an issue
  - as soon as someone rings the bell, visitors hear a waiting tune, so they can be certain their visit has been registered

- **very user-friendly**
  - the access control is completely integrated into Niko Home Control.
  - the user interface on the touchscreen and the app make it easy for your customers: Via the 'access control' they can talk to their visitors, let them in, adapt the volume, open the door and/or gate …
- **contemporary design**
  - the external video unit fits seamlessly with the Niko Home Control design
  - the design is sleek, flat and modern
  - a simple, pleasant shape with flat touch buttons which form a whole with the front plate
  - the engraved name and doorbell symbol are subtly and homogeneously lit
  - the design won a Red Dot Design Award

Example wiring diagram:
external video unit with single touch button



Living safely

You want to feel safe and secure in your own home. Yet, there are still many things that can potentially go wrong. If there is a fire, you want to get out of the house as quickly as possible. And if there is any movement while you are not at home, you want to know as soon as possible. **Niko Home Control helps your customers feel safe.**

Living safely with Niko Home Control

- thanks to the **presence simulation** it seems like someone is always present at your customers' home: when it's dark every once in a while a light switches on, the roll-down shutters open and shut automatically mornings and evenings...
- via a **connection to the alarm centre**, the lights will start flashing as soon as the indoor siren goes off
- **motion detectors** can also activate the indoor siren when nobody is present or send a push message to a smartphone
- with a panic button in the bedroom, your customers can turn on all the lights at night if they hear something suspicious
- with orientation lighting in the hallway or on the stairs, they can walk around the house safely at night without switching on the light
- a s**moke detector** detects fire: the lighting switches on and the roll-down shutters go up so your customers can quickly make their way outside
- connections with an **external video** unit: your customers decide themselves who they let in, even when they're not home
- **sun blinds** are controlled based on measured sunlight, wind and temperature

You can integrate the safety functions quickly and easily n your customers' installation:

- convenient programming due to the naming of sensors using the programming software.
- modular installation:
  - maximum of three sensors per module
  - extra modules can easily be added

Three external analogue sensors are connected to the Niko Home Control installation using the analogue sensor module.

With the digital, potential-free sensor module, you connect a maximum of three sensors via an NO contact or an NPN transistor output. The module has a common connection terminal to which you connect the earth of the sensors.

Easy control

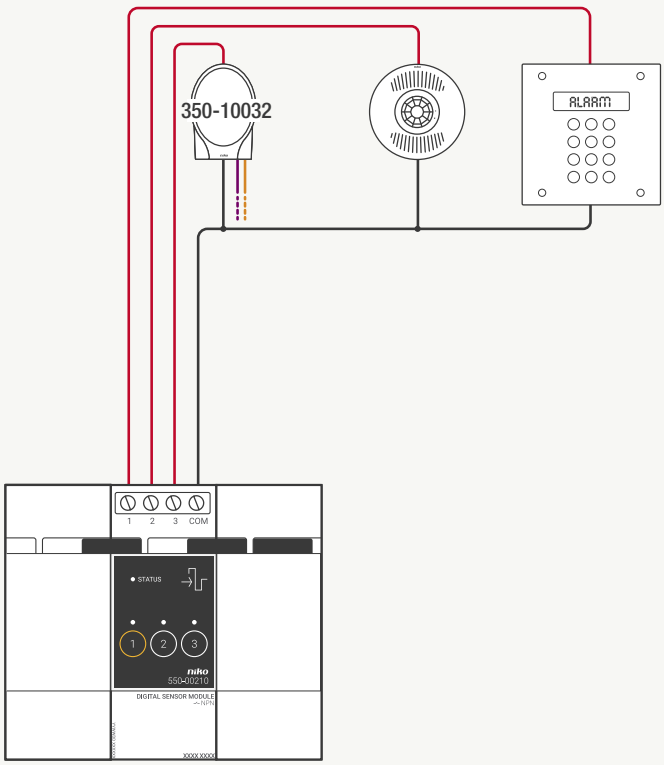
Your customers activate the presence simulation with the same button they use to put their home in eco-setting. Are they on holiday or having a night out? With one click on their smartphone or tablet they:

- can check their gas, water and electricity consumption
- check if they forgot to turn off devices, and if so, turn them off
- control their roll-down shutters or activate the presence simulation
- see where and when motion was detected inside the home
- monitors whether the safety installation has registered an alarm (e.g. a garage door which isn't closing or movement detected in the living room)
- see who is at the door, talk to their visitors and let them in

Saving energy

- your customers can choose to use only economy lamps for the presence simulation
- with the all-off button, they can switch off all devices which do not need to remain on at once

Example wiring diagram:
sensors connected via sensor module



Please note
Always use sensors that are suitable for applications with a safety extra-low voltage (SELV).

Audio control

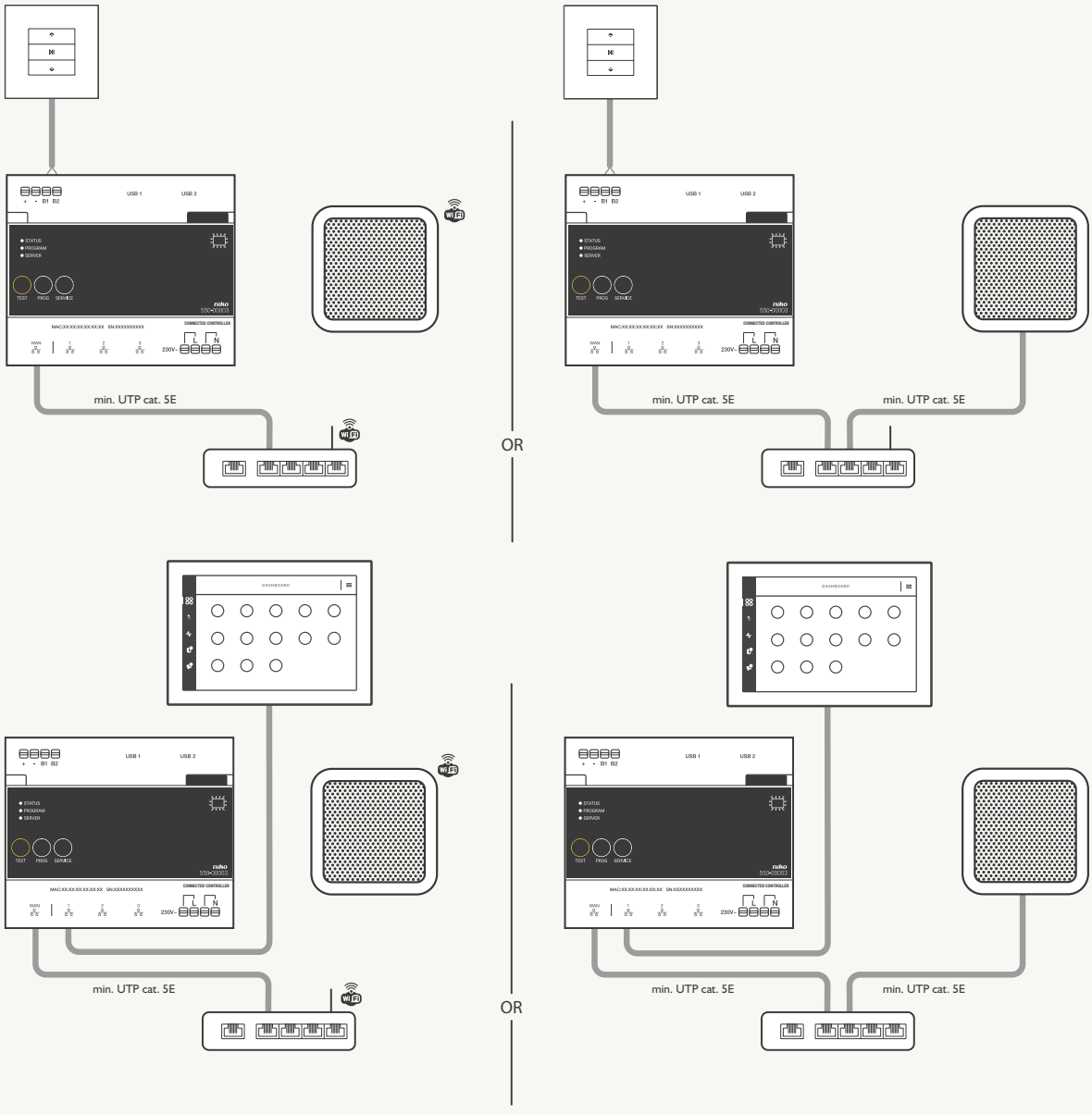
Do your customers have friends visiting? With one push of a button they set the lights at the correct level, the ventilation a setting higher and start the music on their favourite playlist. With the all-off button, they turn off the music automatically. And if a thief should happen to break in? They can scare him away by playing the music at top volume.

Audio control with Sonos and Bose

Connect Sonos or Bose audio installations to Niko Home Control. Your customers now control their sound systems with the Niko Home Control installation. And they add the smart solutions from Sonos or Bose to Niko Home Control.

Discover how to connect your smart devices to Niko Home Control at **www.niko.eu/partners/sound**.

Example wiring diagram:
audio control with Sonos and Bose



SONOS BOSE Better sound through research.

Heating

Your living room is used at different times from your kitchen or bathroom. Children use their bedrooms after school to play and study. Not all the rooms in your customers' homes need to be heated at the same moment. With Niko Home Control, you can heat your customers' homes comfortably and energy-efficiently.

Heating with Niko Home Control

You can integrate the Niko Home Control heating control quickly and easily into your customers' installation:

- zone control and heating system control via NO contacts without complex integration
- control logic located inside the module and software
- energy-saving logic can easily be added via the programming software

You use the same logic to cool the house. The thermostats can be set both to the cooling or heating function.

Modular installation:

- one module controls four zones
- extra modules can easily be added

Zone heating with hydraulic (hot water) system

Modern boilers are fitted with several intelligent controls to establish a heating line.
They take into account the ambient temperature, the running of the circulation pump....
Niko Home Control adjusts the heat supply to each individual zone and notifies the boiler when more heating is required in one or several zones.

How does Niko Home Control adjust the temperature in all the different zones? The Niko Home Control thermostat determines whether a certain room requires heating or cooling. An electronic valve adjusts the supply fed to that room. You mount the electronic valve onto a manifold or radiator. The most commonly used electronic valves are 'on/off' valves with control voltage (230 V) or low voltage (24 V or 12 V). When setting the delay time, make sure to take the specifications of the valves used into account.

You will need the following:

Niko Home Control can control heating systems with three types of outputs: zone valves, circulation pumps and electrical heating elements. Depending on the components in the heating system, you will need a contact on one of the cabinet modules:

- c**onnect zone valves** to output 1-4 of a heating module
- **circulation pumps**, heating systems with 1 output or cooling system with 1 output: can be connected to output 5 (H/C contact) of the heating module or an output on a three- or six-fold switching module
- **electric heating** can be connected to output 1-4 of the heating module or an output of the three- or six-fold switching module

This is an ideal solution for heating installations. Note: you must place a thermostat in you want to control independently.

6 examples

1. The heating system controls the heating unit whenever heating is required

Most boilers have a contact input to control the installation with another thermostat than its own. Simply connect the Niko Home Control HC contact to this contact input.

When more heat is required, the Niko Home Control HC contact closes. This informs the boiler that the water needs to be heated. As soon as the contact opens, the boiler knows that heating is no longer required. The boiler then initiates the procedure to close down. The boiler will then initiate its own procedure to close down, which includes letting the circulation pump run for a few minutes to reduce the residual heat within the boiler.

The heating unit maintains its modular capacity. For example, the boiler adjusts its water temperature based on the outside temperature and the return temperature of the water.

2. Niko Home Control controls the circulation pump in hot water reservoir systems

In systems such as these, the boiler or hot water pump maintains a certain temperature for the water.

Niko Home Control controls the circulation of the water whenever heating is required in one or several zones. The heating unit maintains its modular capacity.

3. Zone heating with electric heating

You can use the Niko Home Control thermostats to control electric heating in 1 or several zones. To do this, you will need a thermostat and a heating unit in each zone which you wish to control separately. The control can be programmed with an action in the programming software.

4. Heat pump with passive cooling.

Niko Home Control can also control systems with heat pumps. n the condition that the heat pump has the capacity to cool the home passively during warm periods. With the thermostat you can control the different zones. Be aware that one system can never provide heating and cooling at the same time! As a result, you can only switch the system when all thermostats are off or in the same mode.

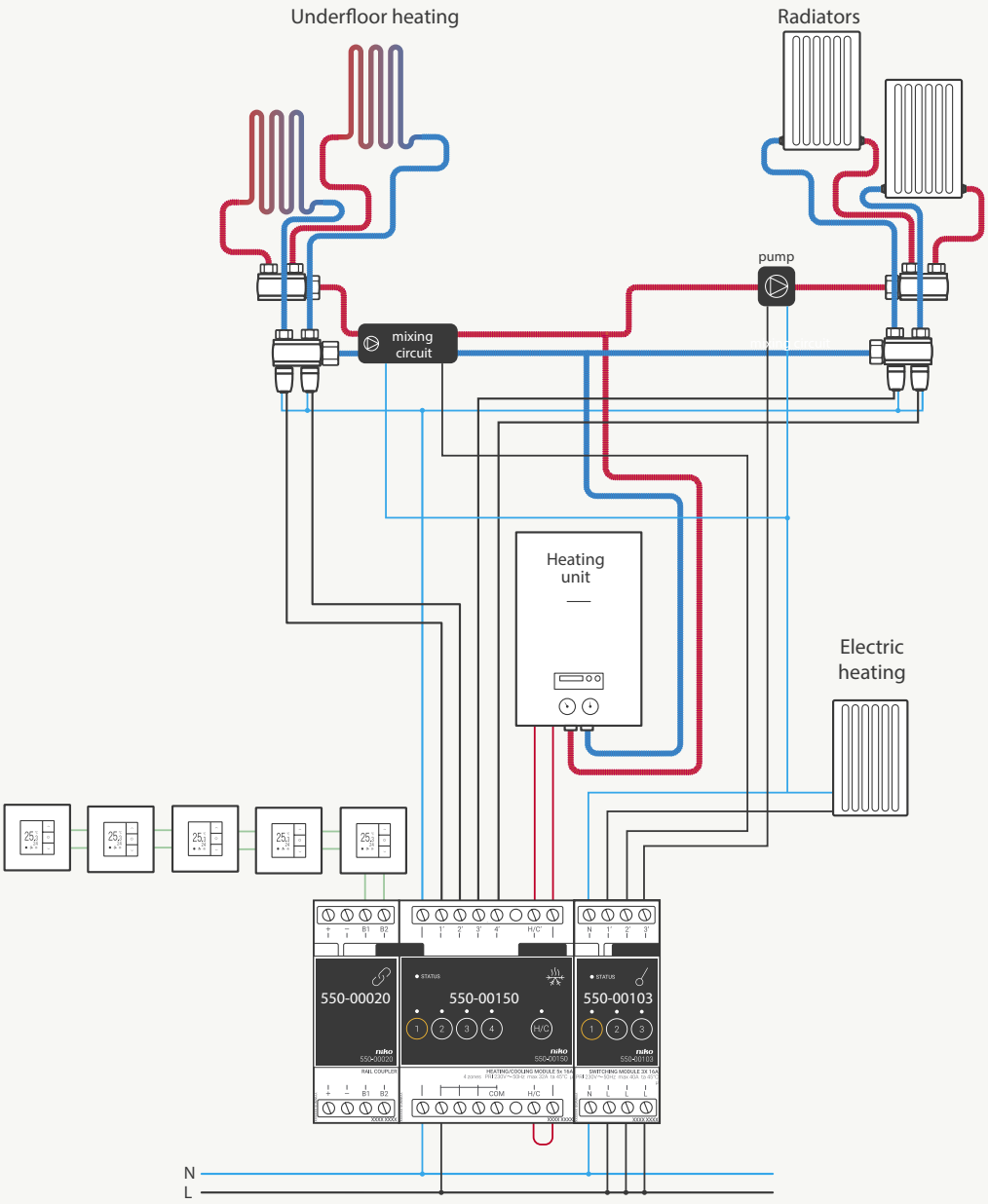
5. Combination underfloor heating/radiators

In many homes, traditional radiators in the bedroom are combined with underfloor heating in the living room. This combination can also be controlled by Niko Home Control.

6. Combination

You can also combine the situations described above. On the condition that each zone only has one type of heating and one thermostat present.

Example wiring diagram: heating system



Heating with NIBE, Mitsubishi Electric, Vaillant, Bulex, Saunier Duval, Daikin, Aldes and Protherm

Easy control

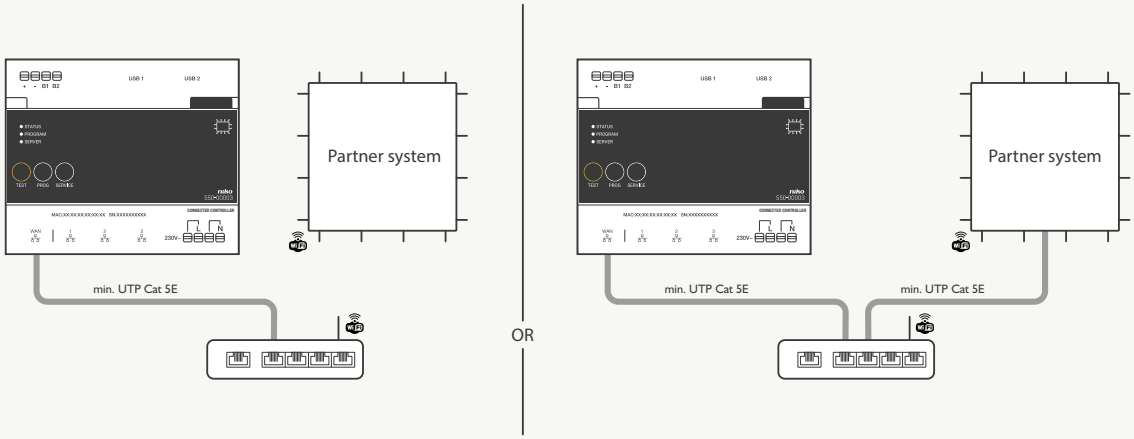
- allows your customers to modify the settings of the various programmes to suit their personal needs
- more comfort thanks to control via the app: with 1 touch of their smartphone or tablet your customers can set the heating a degree higher before going to work so they never have to come home to a cold house

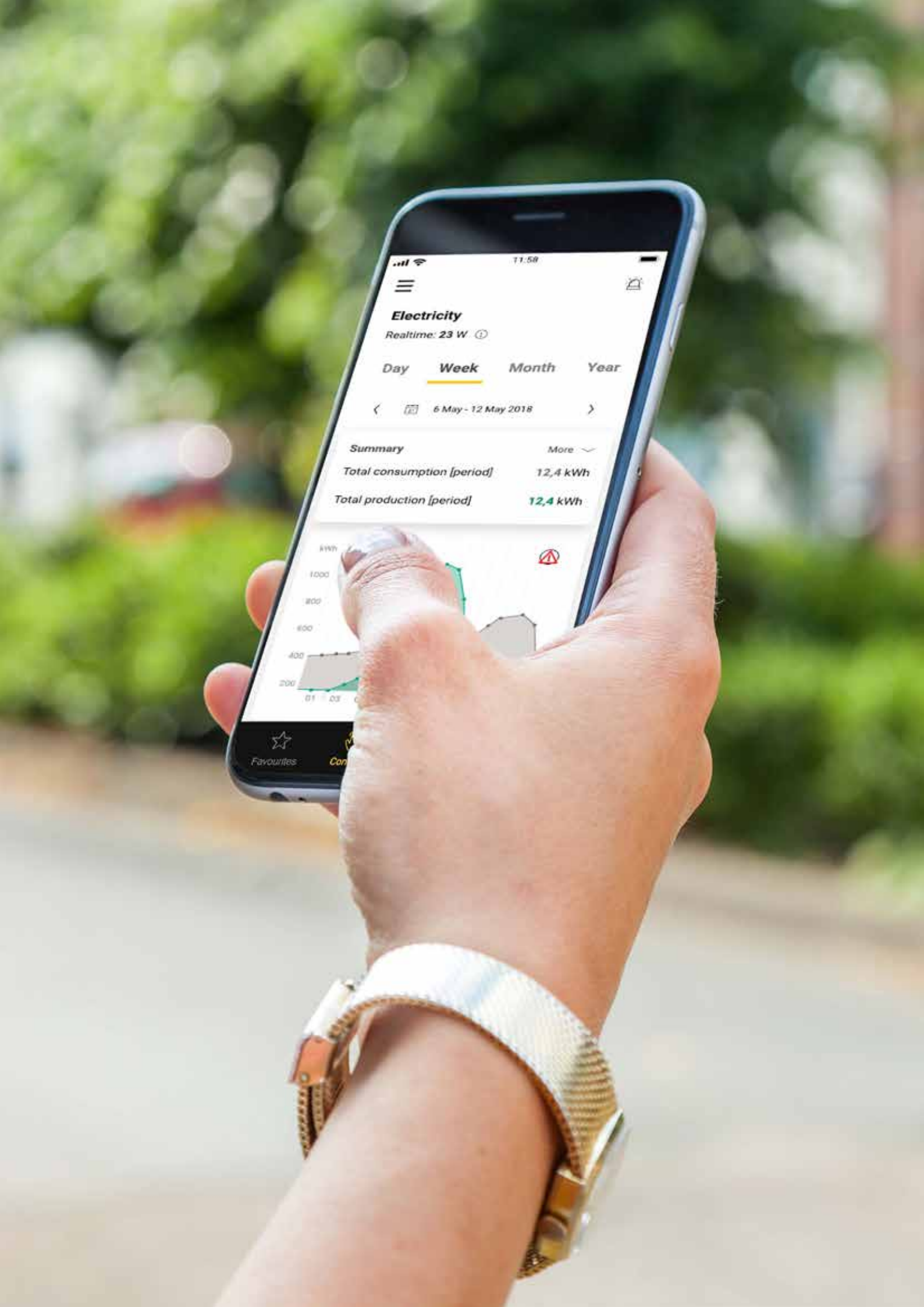
Saving energy

Preventing the energy-wasting air conditioning from starting up constantly to cool down the house? As soon as it gets too warm, the sun blinds closes automatically. Even if your customer is not at home. They save energy and prevent the home from becoming too hot.

Discover how to connect your smart devices to Niko Home Control at **www.niko.eu/partners/heating**.

Example wiring diagram:
heating with NIBE, Mitsubishi Electric, Vaillant, Bulex, Saunier Duval,
Daikin, Aldes and Protherm




11:58
Electricity
Realtime: 23 W
Day
Week
Month
Year
6 May - 12 May 2018
Summary
More
Total consumption [period]
12,4 kWh
Total production [period]
12,4 kWh
kWh
1000
800
600
400
200
01
03
Favourites

Energy management

Our energy provision changes rapidly. Energy is being produced in a much more sustainable way, by wind or solar. By controlling your switches, sockets, smart plugs, lights, heating, boiler and electric vehicle in a smart way, Niko Home Control ensures your customers have the lowest possible energy consumption. Next to this, the smart functions of Niko Home Control increase self-consumption and avoid consumption peaks. This benefits both the environment and your customers' budget.

With the measurement clamps, your customers have complete control over their electricity and gas consumption.

Niko Home Control makes your house work for you. With the solar mode routine, the appliances can automatically be activated if there is a surplus of solar power production. This makes your customers less dependent on their energy supplier and lowers the overall utility bill.

A high capacity electricity connection comes with high costs. Often you don't need that capacity if you use your appliances in a smarter way. By scheduling the devices with Niko Home Control during the day, consumption peaks are avoided and energy costs are under control.

	Niko Home Control Bus wiring		Niko Home Control Traditional wiring	
	Connected controller (550-00003) + measurement module (550-00803) (+optionally SMA Sunny Boy / Sunny Tripower)	Connected controller (550-00003) + pulse counter (550-00250)	Wireless smarthub (552-00001) + digital meter	Wireless smarthub (552-00001) + digital meter + SMA Sunny Boy / Sunny Tripower
Minimal Niko Home app version	2.10	2.10	2.8	2.10
Insights				
Insights in electricity from grid	●		●	●
Insights in electricity to grid	●		●	●
Insights in total electricity consumption	●			●
Insights in electricity production	●			●
Insights in self-consumption	●			●
Insights in peak power	●		●	●
Insights in gas consumption		●	●	●
Insights in water consumption		●		
Alerts				
Consumption alert	●	●	●	●
Injection alert	●		●	●
Peak power alert	●		●	●
PV malfunction alert	●			●
Solar mode	●		●	●

Pro tip: the new solar mode routine

The new solar mode routine helps your customers to increase their self-consumption. Based on the measuring module (bus wiring) or the digital meter (traditional wiring), Niko Home Control detects when there is a surplus of solar energy. If the surplus is consistent during a configurable period of time, the system will automatically activate the desired appliances.

The following appliances are compatible with solar mode:

- switchable connected socket (on/off)
- smart plug (on/off)
- switching module (on/off)
- ventilation (speed)
- Niko Home Control thermostat (setpoint)
- warm water API (boost)
- heating API (setpoint)
- ventilation API (speed)
- virtual outputs (on/off)

Please note

Devices such as boilers, heatpumps and EV chargers are often controlled (on, off, boost) with an **external dry contact**. Please consult your installation manual to check whether Niko Home Control is able to control your installation.

To be able to use the energy features in Niko Home Control for bus wiring, **a measurement module** needs to be included. The energy features in Niko Home Control for traditional wiring are only compatible with digital/smart meters in Belgium and Netherlands. For that reason the energy features in Niko Home Control are not yet available in other countries.

Please find below the information you can find in the **Niko Home app** depending on the measurement clamps that are connected:

- Global reading only: electricity from and to grid (historical, live)
- Global reading and sub-reading yield OR SMA connection:
  - Consumption (from grid, from solar panels)
  - Production and self-consumption (historical, live)

Sub-reading consumption: Consumption of your devices (historical, live)

Partner connection with SMA

Connect Niko Home Control to SMA Sunny Boy inverters and enrich the energy consumption data in the Niko Home app. By activating the SMA connection (or by adding a measurement clamp on your production circuit), you have both insights in the energy to are receiving from and sending to the grid and real-time consumption, production and self-consumption data.

Learn how to connect your smart device to Niko Home Control at **www.niko.eu/partners/energy**.

Ventilation

A ventilation system provides a healthy indoor climate. Your customers waste less energy than when they regularly open the windows. Unfortunately, even ventilation systems create energy loss. By extracting hot air, part of the heating capacity is lost. In new homes, this translates into a heat loss of 20 to 25%. Electricity consumption during ventilation is a main reasons why you should opt for smart ventilation control. This way, the ventilation only runs when needed and your customers will not waste energy.

Ventilation with Niko Home Control

You can integrate the Niko Home Control ventilation control quickly and easily into your customers' installation:

- same connection as the traditional three-way switch
- only one module required for the operation of several types of ventilation (two- or three-wired)
- suitable for ventilation types C (mechanical extract ventilation) and D (mechanical supply and extract with heat recovery)
- ventilation control via NO contacts without complex integration
- control logic located inside the module and software

Easy control

- the ventilation will run at a higher setting temporarily when someone enters the bathroom or turns on the light
- your customers can program a preference setting. All settings are LED-indicated so they always 'see' at which setting the ventilation system operates
- they can control their ventilation with the app, even from outside the house and attune the ventilation, sun blinds and air conditioning seamlessly with each other

Ventilation setting	Three-wire	Two-wire
low	contact 1	●
normal	contact 2	contact 2
high	contact 3	contact 3

Saving energy

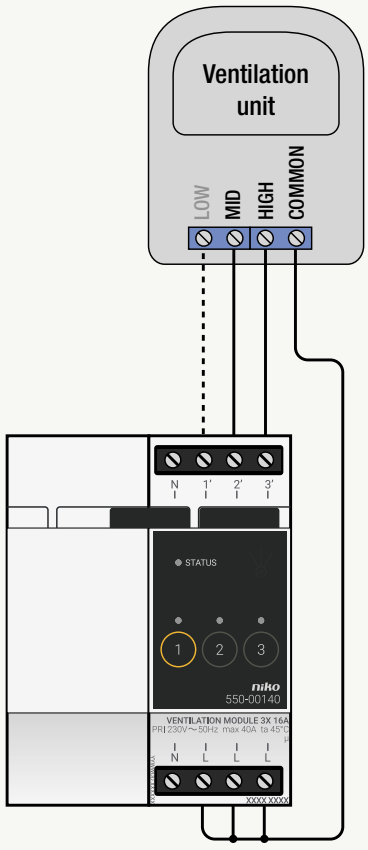
Niko Home Control and the ventilation control system help save energy. Are your customers leaving their house? Then their ventilation will automatically begin to run at the lowest setting. When they come home, they can switch it back to the preference setting. This reduces the loss of hot air, whilst at the same time, less energy is being used by the ventilation motor.

Niko Home Control includes a **ventilation module in the electrical cabinet** that takes over the function of the three-way switch (in a traditional installation) and controls the ventilation system (type C or D).

You control the ventilation unit with a 2-wire or 3-wire control. Check the manual to see how to control them.

- with a **2-wire control**, you switch the common from the ventilation unit between 2 control wires, if there is no control wire to control, the ventilation will run at the lowest setting
- with a **3-wire control**, you switch the common from the ventilation unit between 3 control wires, each of the control wires controls a specific setting

Example wiring diagram:
ventilation control

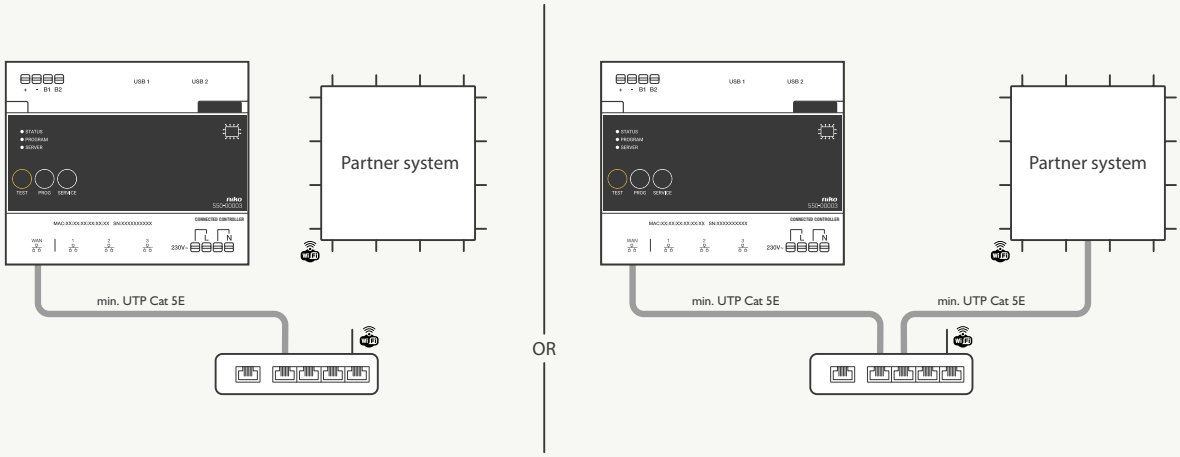


Ventilation with Renson, Duco, Mitsubishi Electric, NIBE and Aldes

Connect a Renson, Duco, Mitsubishi Electric, NIBE or Aldes ventilation system to Niko Home Control. Your customers can then control these brands with Niko Home Control and add their ventilation system's smart solutions to Niko Home Control.

Discover how to connect your smart devices to Niko Home Control at **www.niko.eu/partners/ventilation**.

Example wiring diagram:
ventilation with Renson, Duco, Mitsubishi Electric, NIBE and Aldes



DUCO Ventilation & Sun Control

RENSON Creating healthy spaces

NIBE

MITSUBISHI ELECTRIC

aldes

The Niko Academy

We help you to be the best

Via our Niko Home Control training courses, we provide installers with extra support. We turn you into a real expert. This ensures that you can give your customers a completely customized installation and provide them with the accompanying service. And our training courses are free of charge. Don't hesitate to register: almost 4,000 colleagues preceded you.

We offer three practical training courses.

Module 1: Discover Niko Home Control II

You can follow this first module at home and at your own pace via the Niko Academy, our e-learning platform. After completion of our online foundation course, you will have a general idea of what the Niko Home Control installation is all about. In Module 1 Discover, you will get acquainted with the Niko Home Control installation, from wiring to programming. After successful completion of the test following the training course, you will receive a certificate granting you access to Module 2 Explore.

We also organize the first module in our offices where it is called Module 1 Niko Home Control II - Introduction. Please consult our website for the next available course dates.

Module 2: Explore Niko Home Control II

During this day course, you will build on what you have learned in Module 1. Using practical exercises, this module will help you learn about the system's many possibilities. You develop a project from the very beginning up to and including uploading and testing your programming. After this training course, routines will hold no secrets for you and you'll know how to use conditions to benefit both you and your customers. That way, you can get additional added value out of your customer's installation.

Module 2 is more than a training course. You will leave full of inspiration for your next installations.

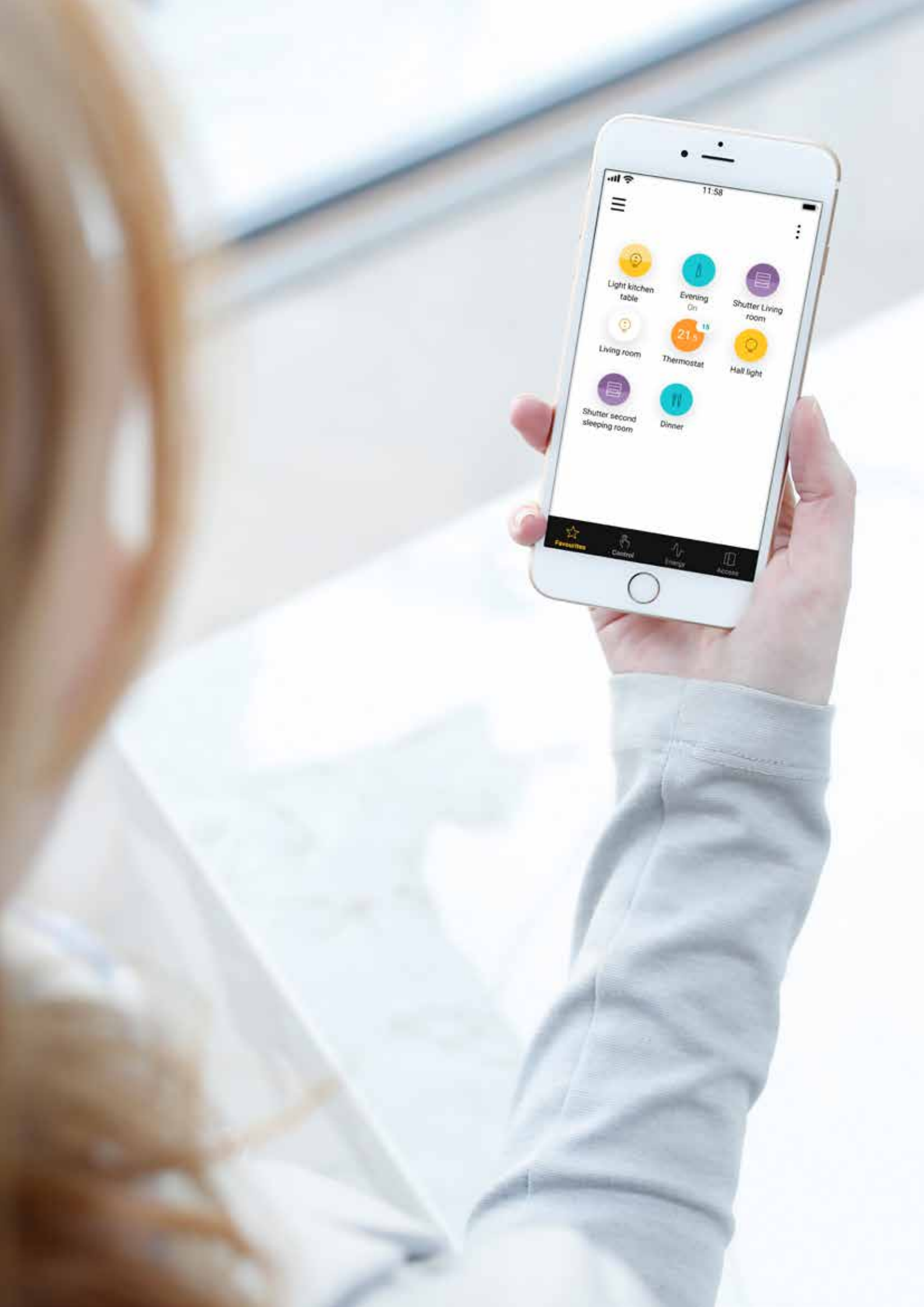
Module 3: Challenge Niko Home Control II

During this module, you become more specialised in Niko Home Control. After an introduction to the programming software's possibilities in Module 2, you will work independently on realistic situations and assignments that you can test immediately. You make creative combinations (e.g. between access control and audio distribution) and work with the connection to external systems. Our professional trainers will give you tips and advice to successfully complete all the challenges. That way, you will find a suitable solution for all your customers' needs.

'Module 2: Explore' and 'Module 3: Challenge' last one day and are practice-oriented. You will receive your own PC and test installation and our professional trainers will personally coach you. Both modules are given at Niko in Sint-Niklaas, Mons or Seraing.

Would you like to enrol?
Due to the large amount of interest, our training courses are only available to professionals. That is why we ask that you register via your **myNiko**-account. Don't have an account yet? Create one **free** at **my.niko.eu**

More information can be found on **www.niko.eu/training**. Or send an email (**training@niko.eu**) or call us at **03 778 92 43**. We'll be delighted to help you.


11:58
Light kitchen table
Evening
On
Shutter Living room
Living room
21.5
15
Thermostat
Hall light
Shutter second sleeping room
Dinner
Favourites
Control
Energy
Access

Niko Home Control online

Website

You can find more information about Niko Home Control on our website on the Niko Home Control page for professionals. This allows you to provide your customer with all necessary information. Here you'll find an overview of our products, information about our showroom, the partner systems you connect Niko Home Control to,... You can also download our brochures there, or have them sent to you free of charge.
More information can be found on **www.niko.eu**.

Registration

Have your customers register their installation on **https://mynikohomecontrol.niko.eu** so that you can offer them better support together with Niko
in the case of problems and so they can receive important updates for their system. This registration is also necessary in order to activate the control with smartphone and/or tablet.

my Niko

my Niko is your place to be:

- register for Niko Home Control training courses
- you will receive customised information: events, commercial promotions and useful tips
- you register for the Niko Partner Program
- always an overview of your support requests
- keep your personal details up-to-date
- More information can be found on **www.niko.eu/myNiko**.

Niko Partner Program

Installers receive special treatment at Niko. Take the Niko Home Control training course and register for the Niko Partner Program. The advantages?

- after a few installations, Niko will promote you to recognised Niko Home Control installer.
- you will be among the first to be informed of software updates and new products
- you can earn points for nice gifts from our online shop per installation and additional training

More information can be found on **www.niko.eu/myNiko**.

Software manual

The online manual familiarising you step-by-step with the Niko Home Control installation. You can find information on the basic functions, frequently used programmings, the cabinet lay-out and the actual installation. It is a useful guide after the training or during the installation. You can also download and print the software manual. Surf to **guide.niko.eu**.

Finishings of your choice

Niko Pure

Do you love an **ultra-sleek design** in timeless materials? Then you will love the refined look of Niko Pure. A series made from special and authentic materials, including bamboo, stainless steel, Bakelite® and aluminium. Your guarantee of an elegant and sustainable finish. Affordable top design.

alu grey
155-

alu steel grey
220-

alu black
158-

alu gold
221-

steel white
154-

steel black
161-

steel champagne
157-

stainless steel on white
250-

stainless steel on anthracite
150-

liquid snow white
241-

liquid black
242-

Bakelite® piano black
200-

natural soft grey
159-

natural red
152-

bamboo
156-

dark bamboo on anthracite
256-

dark bamboo on gold
257-

Bakelite® is a registered trademark of Hexion GmbH.

Niko Intense

Niko Intense, a series that you need to feel. Niko Intense is all about touch. The **sleek shape** and **soft lines** radiate intensity. With these switches, you are choosing a distinctly warm character.

white
120-

sterling
121-

bronze
123-

dark brown
124-

anthracite
122-

matt black
130-

Niko Original

Are you attracted to **soft lines** and **mild colours**? Then Niko Original is just what you are looking for. You are choosing a finish with a discreet presence.

white
101-

cream
100-

light grey
102-

greige
104-


HAVE
a
Wonderful
DAY

Product overview Niko Home Control for bus wiring

NEW

Digital black, connected customisable control screen for Niko Home Control, 24 V

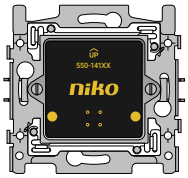
Digital black is a completely customisable control screen for Niko Home Control with an extremely user-friendly interface featuring clear symbols. The screen is automatically activated when your hand comes near. That way, you can switch or dim your lights, set moods, set ventilation modes, adjust blinds and sun blinds to the desired position, in one operation. In short, all possible Niko Home Control control types are available. Do you have a Niko Home Control thermostat (ref. 550-13050)? Then you can easily set the temperature with Digital black. With the Niko Home app not only can you choose which controls are displayed or where they are displayed on the screen, but also the way you navigate through your control screens. You can download this app for free in the app store or play store.

The screen can be easily mounted in any standard flush-mounting box and is powered by a separate 24 V DC supply (e.g. 340-00050) The screen communicates via your wireless home network with the rest of your Niko Home Control system. You need an active internet connection to activate the screen. This internet connection ensures that your screen and Niko Home Control installation are always up-to-date, and have the most recent functionalities.

- recommended mounting height: 110 - 160 cm
- power supply voltage: 24 V DC (SELV)
- WiFi: 2.4 Ghz bgn
- ambient temperature: 0 - 40 °C
- proximity sensor: 0 – 30 cm
- light sensor for automatic adjustment of the screen intensity
- maximum number in one installation: 10
- screen size: 3.6”
- screen resolution: 1024 x 768
- screen dimensions: 83 x 83 x 11.5 mm (HxWxD)
- dimensions flush-mounting mechanism: 75 x 70 x 24 (HxWxD)
- protection degree: IP20
- CE marked

COMPLETE UNIT

550-18000	Pieces: 1	With plug-in terminals, for claw fixing
550-18001	Pieces: 1	With plug-in terminals, for screw fixing



NEW

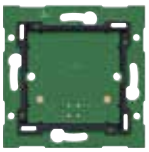
Simple wall-mounted printed circuit board with base

The wall-mounted printed circuit board is mounted on an existing flush-mounting box or on an uneven wall and forms the connection between the control and the installation. Several wall-mounted printed circuit boards with base can be clicked together and/or can be combined with any other Niko flush-mounting mechanism.

- double plug-in connector: possible connection of two wires per contact, each with a diameter of 0.5 to 1 mm
- mounting of push button: click mechanism
- wall mounting: screws or claws

SIMPLE WALL-MOUNTED PRINTED CIRCUIT BOARD WITH BASE

	**550-14106**	Pieces: 10	For claw fixing
	**550-14107**	Pieces: 10	For claw fixing
	**550-14116**	Pieces: 6	
	**550-14117**	Pieces: 6	



Simple wall-mounted printed circuit board with connector

The wall-mounted printed circuit board enables you to connect a control to the installation. You mount the wall-mounted printed circuit board with double plug-in connector onto a simple standard flush-mounting box with screw connection. A set of claws is to be ordered separately for flush-mounting boxes without screw connection.

- double plug-in connector: possible connection of two wires per contact, each with a diameter of 0.5 to 1 mm
- mounting of push button: click mechanism
- wall mounting: screws or a set of claws

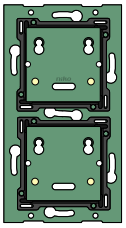
COMPLETE UNIT

550-14110	Pieces: 10	Simple wall-mounted printed circuit board with connector

ACCESSORIES

	**450-00067**	Pieces: 20	Set of claws for wall-mounted printed circuit board

Multiple wall-mounted printed circuit board to be used with connection unit



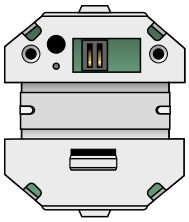
You mount the multiple wall-mounted printed circuit board onto a simple standard flush-mounting box with screw connection. No additional flush-mounting boxes are required for the assembly of multiple flush surround plates. You can decide whether you prefer to work towards the bottom, top, left or right from the flush-mounting box, which allows you to add push buttons without the need for additional drilling or channelling work. A set of claws is to be ordered separately for flush-mounting boxes without screw connection. Note: Order always a connection unit with every multiple wall-mounted printed circuit board as this unit provides the connection between the multiple wall-mounted printed circuit boards and the installation.

- mounting of push button: click mechanism
- wall mounting: screws or a set of claws

WALL-MOUNTED PRINTED CIRCUIT BOARDS

550-14020	Pieces: 10	Double wall-mounted printed circuit board (centre distance 71 mm, horizontal)
550-14021	Pieces: 10	Double wall-mounted printed circuit board (centre distance 60 mm, vertical)
550-14027	Pieces: 10	Double wall-mounted printed circuit board (centre distance 71 mm, vertical)
550-14030	Pieces: 10	Three-fold wall-mounted printed circuit board (centre distance 71 mm, horizontal)
550-14031	Pieces: 10	Three-fold wall-mounted printed circuit board (centre distance 60 mm, vertical)
550-14037	Pieces: 10	Three-fold wall-mounted printed circuit board (centre distance 71 mm, vertical)
550-14040	Pieces: 10	Four-fold wall-mounted printed circuit board (centre distance 71 mm, horizontal)

Connection unit for multiple wall-mounted printed circuit board



The connection unit connects the installation to the multiple wall-mounted printed circuit board. The connection unit can be mounted into any position on the multiple wall-mounted printed circuit board. Note: Use a different set of claws.

- double plug-in connector: possible connection of two wires per contact, each with a diameter of 0.5 to 1 mm
- mounting on wall-mounted printed circuit board: two screws

COMPLETE UNIT

550-14090	Pieces: 6	Connection unit for multiple wall-mounted printed circuit board

ACCESSORIES

450-00068	Pieces: 20	Set of claws for connection unit

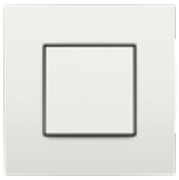
Single push button with LED, “leaving the house” symbol

NEW

The single push button has one action button with the “leave home” symbol. This action button allows the resident to switch off all the lights in his home, as well as certain appliances that may pose a safety risk (iron, hob, deep-fat fryer). You simply determine in the programming software which light points/appliances must be switched off. The action button is fitted with an amber-coloured indication LED to indicate the status of the action. The push button is attached to the wall-mounted printed circuit board via a click mechanism.

COMPLETE UNIT

100-52901	Pieces: 6	**101-52901**	Pieces: 6	**102-52901**	Pieces: 6
104-52901	Pieces: 6	**121-52901**	Pieces: 6	**122-52901**	Pieces: 6
123-52901	Pieces: 6	**124-52901**	Pieces: 6	**154-52901**	Pieces: 6
157-52901	Pieces: 6	**161-52901**	Pieces: 6	**200-52901**	Pieces: 6
220-52901	Pieces: 6	**221-52901**	Pieces: 6		

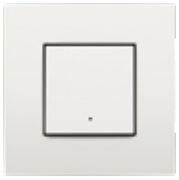


Single push button

The single push button includes one action button. This action button allows the resident to control a light point or a light circuit, brighten or dim a dimmable light point or activate a mood setting. You mount the push button to the wall-mounted printed circuit board via a click mechanism.

COMPLETE UNIT

100-51001	Pieces: 6	**101-51001**	Pieces: 6	**102-51001**	Pieces: 6
104-51001	Pieces: 6	**121-51001**	Pieces: 6	**122-51001**	Pieces: 6
123-51001	Pieces: 6	**124-51001**	Pieces: 6	**154-51001**	Pieces: 6
157-51001	Pieces: 6	**161-51001**	Pieces: 6	**200-51001**	Pieces: 6
220-51001	Pieces: 6	**221-51001**	Pieces: 6		

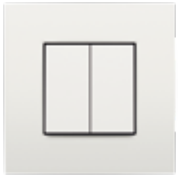


Single push button with led

The single push button includes one action button. This action button allows the resident to control a light point or a light circuit, brighten or dim a dimmable light point or activate a mood setting. The action button is equipped with an amber indication LED to indicate the status of the action. You mount the push button to the wall-mounted printed circuit board via a click mechanism.

COMPLETE UNIT

100-52001	Pieces: 6	**101-52001**	Pieces: 6	**102-52001**	Pieces: 6
104-52001	Pieces: 6	**121-52001**	Pieces: 6	**122-52001**	Pieces: 6
123-52001	Pieces: 6	**124-52001**	Pieces: 6	**154-52001**	Pieces: 6
157-52001	Pieces: 6	**161-52001**	Pieces: 6	**200-52001**	Pieces: 6
220-52001	Pieces: 6	**221-52001**	Pieces: 6		

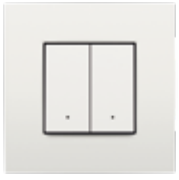


Double push button

The double push button includes two action buttons. Each of these action buttons allows the resident to control a light point or a light circuit, brighten or dim a dimmable light point or activate a mood setting. You mount the push button to the wall-mounted printed circuit board via a click mechanism.

COMPLETE UNIT

100-51002	Pieces: 6	**101-51002**	Pieces: 6	**102-51002**	Pieces: 6
104-51002	Pieces: 6	**121-51002**	Pieces: 6	**122-51002**	Pieces: 6
123-51002	Pieces: 6	**124-51002**	Pieces: 6	**154-51002**	Pieces: 6
157-51002	Pieces: 6	**161-51002**	Pieces: 6	**200-51002**	Pieces: 6
220-51002	Pieces: 6	**221-51002**	Pieces: 6		



Double push button with leds

The double push button includes two action buttons. Each of these action buttons allows the resident to control a light point or a light circuit, brighten or dim a dimmable light point or activate a mood setting. Each action button is equipped with an amber indication LED to indicate the status of the action. You mount the push button to the wall-mounted printed circuit board via a click mechanism.

FINISHING SET WITH LENS

100-52002	Pieces: 6	**101-52002**	Pieces: 6	**102-52002**	Pieces: 6
104-52002	Pieces: 6	**121-52002**	Pieces: 6	**122-52002**	Pieces: 6
123-52002	Pieces: 6	**124-52002**	Pieces: 6	**154-52002**	Pieces: 6
157-52002	Pieces: 6	**161-52002**	Pieces: 6	**200-52002**	Pieces: 6
220-52002	Pieces: 6	**221-52002**	Pieces: 6		

Four-fold push button

The four-fold push button includes four action buttons. Each of these action buttons allows the resident to control a light point or a light circuit, brighten or dim a dimmable light point or activate a mood setting. You mount the push button to the wall-mounted printed circuit board via a click mechanism.

COMPLETE UNIT

100-51004	Pieces: 6	**101-51004**	Pieces: 6	**102-51004**	Pieces: 6
104-51004	Pieces: 6	**121-51004**	Pieces: 6	**122-51004**	Pieces: 6
123-51004	Pieces: 6	**124-51004**	Pieces: 6	**154-51004**	Pieces: 6
157-51004	Pieces: 6	**161-51004**	Pieces: 6	**200-51004**	Pieces: 6
220-51004	Pieces: 6	**221-51004**	Pieces: 6		

Four-fold push button with leds

The four-fold push button includes four action buttons. Each of these action buttons allows the resident to control a light point or a light circuit, brighten or dim a dimmable light point or activate a mood setting. Each action button is equipped with an amber indication LED to indicate the status of the action. You mount the push button to the wall-mounted printed circuit board via a click mechanism.

COMPLETE UNIT

100-52004	Pieces: 6	**101-52004**	Pieces: 6	**102-52004**	Pieces: 6
104-52004	Pieces: 6	**121-52004**	Pieces: 6	**122-52004**	Pieces: 6
123-52004	Pieces: 6	**124-52004**	Pieces: 6	**154-52004**	Pieces: 6
157-52004	Pieces: 6	**161-52004**	Pieces: 6	**200-52004**	Pieces: 6
220-52004	Pieces: 6	**221-52004**	Pieces: 6		

Six-fold push button

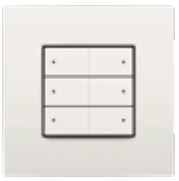
The six-fold push button includes six action buttons. Each of these action buttons allows the resident to control a light point or a light circuit, brighten or dim a dimmable light point or activate a mood setting. You mount the push button to the wall-mounted printed circuit board via a click mechanism.

COMPLETE UNIT

100-51006	Pieces: 6	**101-51006**	Pieces: 6	**102-51006**	Pieces: 6
104-51006	Pieces: 6	**121-51006**	Pieces: 6	**122-51006**	Pieces: 6
123-51006	Pieces: 6	**124-51006**	Pieces: 6	**154-51006**	Pieces: 6
157-51006	Pieces: 6	**161-51006**	Pieces: 6	**200-51006**	Pieces: 6
220-51006	Pieces: 6	**221-51006**	Pieces: 6		

Six-fold push button with leds

The six-fold push button includes six action buttons. Each of these action buttons allows the resident to control a light point or a light circuit, brighten or dim a dimmable light point or activate a mood setting. Each action button is equipped with an amber indication LED to indicate the status of the action. You mount the push button to the wall-mounted printed circuit board via a click mechanism.



COMPLETE UNIT

100-52006	Pieces: 6	**101-52006**	Pieces: 6	**102-52006**	Pieces: 6
104-52006	Pieces: 6	**121-52006**	Pieces: 6	**122-52006**	Pieces: 6
123-52006	Pieces: 6	**124-52006**	Pieces: 6	**154-52006**	Pieces: 6
157-52006	Pieces: 6	**161-52006**	Pieces: 6	**200-52006**	Pieces: 6
220-52006	Pieces: 6	**221-52006**	Pieces: 6		

Single dimming control

The single dimming control includes one group of three action buttons. They allow the resident to brighten or dim a light point or a group of light points. You mount the push button to the wall-mounted printed circuit board via a click mechanism.

COMPLETE UNIT

I00-51043	Pieces: 6	**I01-51043**	Pieces: 6	**I02-51043**	Pieces: 6
I04-51043	Pieces: 6	**I21-51043**	Pieces: 6	**I22-51043**	Pieces: 6
I23-51043	Pieces: 6	**I24-51043**	Pieces: 6	**I54-51043**	Pieces: 6
I57-51043	Pieces: 6	**I61-51043**	Pieces: 6	**200-51043**	Pieces: 6
220-51043	Pieces: 6	**I21-51043**	Pieces: 6		

Single dimming control with leds

The single dimming control includes one group of three action buttons. They allow the resident to brighten or dim a light point or a group of light points. The dimming control is equipped with amber indication LEDs to indicate the status of the action. You mount the push button to the wall-mounted printed circuit board via a click mechanism.

COMPLETE UNIT

I00-52043	Pieces: 6	**I01-52043**	Pieces: 6	**I02-52043**	Pieces: 6
I04-52043	Pieces: 6	**I21-52043**	Pieces: 6	**I22-52043**	Pieces: 6
I23-52043	Pieces: 6	**I24-52043**	Pieces: 6	**I54-52043**	Pieces: 6
I57-52043	Pieces: 6	**I61-52043**	Pieces: 6	**200-52043**	Pieces: 6
220-52043	Pieces: 6	**I21-52043**	Pieces: 6		

Double dimming control

The double dimming control includes two groups of three action buttons. They allow the resident to brighten or dim two light points or two groups of light points. You mount the push button to the wall-mounted printed circuit board via a click mechanism.

COMPLETE UNIT

I00-51046	Pieces: 6	**I01-51046**	Pieces: 6	**I02-51046**	Pieces: 6
I04-51046	Pieces: 6	**I21-51046**	Pieces: 6	**I22-51046**	Pieces: 6
I23-51046	Pieces: 6	**I24-51046**	Pieces: 6	**I54-51046**	Pieces: 6
I57-51046	Pieces: 6	**I61-51046**	Pieces: 6	**200-51046**	Pieces: 6
220-51046	Pieces: 6	**I21-51046**	Pieces: 6		

Double dimming control with leds

The double dimming control includes two groups of three action buttons. They allow the resident to brighten or dim two light points or two groups of light points. The dimming control is equipped with amber indication LEDs to indicate the status of the action. You mount the push button to the wall-mounted printed circuit board via a click mechanism.

COMPLETE UNIT

I00-52046	Pieces: 6	**I01-52046**	Pieces: 6	**I02-52046**	Pieces: 6
I04-52046	Pieces: 6	**I21-52046**	Pieces: 6	**I22-52046**	Pieces: 6
I23-52046	Pieces: 6	**I24-52046**	Pieces: 6	**I54-52046**	Pieces: 6
I57-52046	Pieces: 6	**I61-52046**	Pieces: 6	**200-52046**	Pieces: 6
220-52046	Pieces: 6	**I21-52046**	Pieces: 6		

Single motor control

The single motor control includes one group of three action buttons. They allow the resident to operate the motors of one group of roll-down shutters, sun blinds or venetian blinds. You mount the push button to the wall-mounted printed circuit board via a click mechanism.

COMPLETE UNIT

100-51033	Pieces: 6	**101-51033**	Pieces: 6	**102-51033**	Pieces: 6
104-51033	Pieces: 6	**121-51033**	Pieces: 6	**122-51033**	Pieces: 6
123-51033	Pieces: 6	**124-51033**	Pieces: 6	**154-51033**	Pieces: 6
157-51033	Pieces: 6	**161-51033**	Pieces: 6	**200-51033**	Pieces: 6
220-51033	Pieces: 6	**221-51033**	Pieces: 6		

Single motor control with leds

The single motor control includes one group of three action buttons. They allow the resident to operate the motors of one group of roll-down shutters, sun blinds or venetian blinds. The motor control is equipped with amber indication LEDs to indicate the status of the action. You mount the push button to the wall-mounted printed circuit board via a click mechanism.

COMPLETE UNIT

100-52033	Pieces: 6	**101-52033**	Pieces: 6	**102-52033**	Pieces: 6
104-52033	Pieces: 6	**121-52033**	Pieces: 6	**122-52033**	Pieces: 6
123-52033	Pieces: 6	**124-52033**	Pieces: 6	**154-52033**	Pieces: 6
157-52033	Pieces: 6	**161-52033**	Pieces: 6	**200-52033**	Pieces: 6
220-52033	Pieces: 6	**221-52033**	Pieces: 6		

Double motor control

The double motor control includes two groups of three action buttons. They allow the resident to operate the motors of two groups of roll-down shutters, sun blinds or venetian blinds. You mount the push button to the wall-mounted printed circuit board via a click mechanism.

COMPLETE UNIT

100-51036	Pieces: 6	**101-51036**	Pieces: 6	**102-51036**	Pieces: 6
104-51036	Pieces: 6	**121-51036**	Pieces: 6	**122-51036**	Pieces: 6
123-51036	Pieces: 6	**124-51036**	Pieces: 6	**154-51036**	Pieces: 6
157-51036	Pieces: 6	**161-51036**	Pieces: 6	**200-51036**	Pieces: 6
220-51036	Pieces: 6	**221-51036**	Pieces: 6		

Double motor control with leds

The double motor control includes two groups of three action buttons. They allow the resident to operate the motors of two groups of roll-down shutters, sun blinds or venetian blinds. The motor control is equipped with amber indication LEDs to indicate the status of the action. You mount the push button to the wall-mounted printed circuit board via a click mechanism.

COMPLETE UNIT

100-52036	Pieces: 6	**101-52036**	Pieces: 6	**102-52036**	Pieces: 6
104-52036	Pieces: 6	**121-52036**	Pieces: 6	**122-52036**	Pieces: 6
123-52036	Pieces: 6	**124-52036**	Pieces: 6	**154-52036**	Pieces: 6
157-52036	Pieces: 6	**161-52036**	Pieces: 6	**200-52036**	Pieces: 6
220-52036	Pieces: 6	**221-52036**	Pieces: 6		

Ventilation control with leds

The push button includes four action buttons: one for each setting of the central ventilation system (low, normal and high) and a boost mode button that activates the highest setting during a preset amount of time before returning to the previous setting. Each action button is equipped with an amber indication LED to indicate the status of the action. You mount the push button to the wall-mounted printed circuit board via a click mechanism.

COMPLETE UNIT

100-52054	Pieces: 6	**101-52054**	Pieces: 6	**102-52054**	Pieces: 6
104-52054	Pieces: 6	**121-52054**	Pieces: 6	**122-52054**	Pieces: 6
123-52054	Pieces: 6	**124-52054**	Pieces: 6	**154-52054**	Pieces: 6
157-52054	Pieces: 6	**161-52054**	Pieces: 6	**200-52054**	Pieces: 6
220-52054	Pieces: 6	**221-52054**	Pieces: 6		

Single audio control with LEDs

The single audio control has one group of three action buttons. With these buttons the resident can control the connected audio device (or group of audio devices). The audio control is fitted with an amber-coloured indication LED to indicate the status of the action. The push button is attached to the wall-mounted printed circuit board via a click mechanism.

FULL PRODUCT

100-52073	Pieces: 6	**101-52073**	Pieces: 6	**102-52073**	Pieces: 6
104-52073	Pieces: 6	**121-52073**	Pieces: 6	**122-52073**	Pieces: 6
123-52073	Pieces: 6	**124-52073**	Pieces: 6	**154-52073**	Pieces: 6
157-52073	Pieces: 6	**161-52073**	Pieces: 6	**200-52073**	Pieces: 6
220-52073	Pieces: 6	**221-52073**	Pieces: 6		

Push-button interface

The push-button interface converts the switching pulse of external push buttons (such as Niko Hydro) into a Niko Home Control bus command. The interface will be installed behind the push button. The bus can be interconnected to the next control element of the Niko Home Control installation. The push-button interface can be used outdoors, on the condition that the splashproof Niko Hydro housing is provided.

- suitable for maximum four potential-free NO push buttons or NPN transistor outputs
- only connect to an SELV contact (safety extra-low voltage)
- maximum distance to the push button: 2 m
- resting potential: 26 Vdc (SELV)
- dimensions: 40 x 27 x 5 mm (HxWxD)
- CE marked
- ambient temperature: -25 - 55 °C

COMPLETE UNIT

550-20000	Pieces: 6	Push-button interface

Mood control

The mood control allows the resident to create different mood settings for different occasions. A mood setting is a combination of settings with regard to lighting, roll-down shutters, sun blinds, etc.

- recommended mounting height: 120 - 150 cm
- flush-mounting depth: 20 mm
- dimensions: 45 x 45 x 32 mm (HxWxD)
- resting potential: 26 Vdc (SELV, safety extra-low voltage)
- back-lit colour display with three buttons
- ambient temperature: 0 - 50 °C

COMPLETE UNIT

550-13040	Pieces: 6	For mounting with claws, centre distance 60 mm
550-13041	Pieces: 6	For screw fixing
550-13042	Pieces: 6	For mounting with screws, centre distance 60 mm

Eco-display

The eco-display allows the resident to monitor the energy, gas and water consumption as well as the energy production (if applicable). It can also be used to activate the eco-function (all off) or the presence simulation. The eco-display shows information on the electricity, gas and water consumption as well as the electricity production. The type of information displayed will depend on the measuring modules you will install. The electricity measuring module measures the electricity consumption or electricity production. The pulse counter communicates the electricity, gas and water consumption. The current electricity consumption is expressed in W or kW, while gas and water consumption is expressed in m^3. The consumption for that week expressed in EUR, GBP or SEK is displayed underneath. The end-user can press the eco-button to switch off all lights and connected circuits when leaving the house. He will immediately notice the reduction in consumption. The resident will activate the presence simulation by pressing the presence simulation button. This allows the resident to have the lights switch on at certain times and to create an extra feeling of safety while using the least amount of energy.
The recommended location for mounting the eco-display is near the door used by the resident to leave the house.

This Niko Home Control eco-display was awarded the Red Dot Design Award 2011.

- recommended mounting height: 120 - 150 cm
- flush-mounting depth: 20 mm
- dimensions: 45 x 45 x 32 mm (HxWxD)
- resting potential: 26 Vdc (SELV, safety extra-low voltage)
- back-lit colour display with three buttons
- ambient temperature: 5 - 45 °C
- in conformity with IEC60730-2-9, EN 50491-5-2, EN 50491-2 and EN 50090-2-3

COMPLETE UNIT

550-13080	Pieces: 6	For mounting with claws, centre distance 60 mm
550-13081	Pieces: 6	For screw fixing
550-13082	Pieces: 6	For mounting with screws, centre distance 60 mm

Thermostat

The thermostat can be installed in any room fitted with underfloor heating, a radiator, heating unit or cooling unit. It controls the heating or cooling for the room in which it is mounted. The thermostat is used in combination with the heating or cooling module. You can also connect this to a three-fold or six-fold switching module for switching electric heating in Niko Home Control 2.0. As Niko Home Control controls the heating or cooling in different rooms, the resident can considerably save energy by linking the thermostat, for example, to the eco-function (all-off) or calendar-based functions (contrary to maintaining a fixed temperature throughout when using thermostatic taps, for instance).

- recommended mounting height: 120 - 150 cm
- flush-mounting depth: 20 mm
- dimensions: 45 x 45 x 32 mm (HxWxD)
- resting potential: 26 Vdc (SELV, safety extra-low voltage)
- back-lit colour display with three buttons
- daily/weekly programmes
- 3 weekly programmes: two for the heating function and one for the cooling function
- 5 temperature settings: day, night, eco, off (frost-free) and cool
- temperature accuracy: 0.5 °C
- protection degree: IP20
- ambient temperature: 5 - 40 °C
- in conformity with IEC60730-2-9, EN 50491-5-2, EN 50491-2 and EN 50090-2-3

COMPLETE UNIT

550-13050	Pieces: 6	For mounting with claws, centre distance 60 mm
550-13051	Pieces: 6	For screw fixing
550-13052	Pieces: 6	For mounting with screws, centre distance 60 mm

Touchscreen

This touchscreen allows you to conveniently operate the entire Niko Home Control installation from one central point: switching and dimming the lighting, controlling the temperature, moving roller blinds and sun blinds to the position of your choice, monitoring the energy consumption and the status of the installation … Thanks to a built-in light sensor, the screen brightness adapts to the ambient light.

Thanks to the connection to the Niko Home Control external video unit, access control is also possible from now on. This way, you can answer incoming calls if you wish, and check missed calls. A feedback LED displays any missed calls, even when the device is in stand-by mode. Please note: we recommend providing at least one touchscreen on top of the smartphones and/or tablets, because a wired device is always more reliable than a mobile one.

This new touchscreen (550-20102) replaces touchscreen 2 (550-20101) completely. In existing Niko Home Control installations, it can replace as well as complement its predecessor. Its wired connection to the home network ensures a very reliable connection.

Only one flush-mounting box is needed to mount this touchscreen. You connect the touchscreen with one twisted pair cable (UTP, FTP or STP) to the Power over Ethernet power supply, which is available separately. Alternatively, you can also place a separate 24 V DC power supply in the cabinet. A total of ten touchscreens, smartphone or PC applications can be used per installation.

- power supply voltage: 24 Vdc (± 10%) (SVV, JYSTY, TPVF, UTP, etc.) or Power over Ethernet (PoE) (UTP, STP, FTP) (48 V DC)
- electricity consumption: 500 mA (24 Vdc) or 250 mA (PoE 48 V DC)
- ambient temperature:
  - in operation: 0 - 40 °C
  - storage and transport: -10 - 65 °C
- Ethernet connection speed: 10 - 100 Mbit/s
- CE marked
- dimensions: 124 x 192 x 20 mm (HxWxD)
- screen size: 7”
- screen resolution: 1024 x 600
- weight: 570 g (excluding connectors and screws)

COMPLETE DEVICE

550-20102	Pieces: 1	Touchscreen

COMPLETE UNIT

550-00502	Pieces: 1	PoE power supply

COMPLETE UNIT

340-00050	Pieces: 6	Modular power supply 24 Vdc, 60 W

External video unit

This ultra-flat external video unit for flush mounting is finished with a black front plate made of anodised aluminium (3 mm thick). The device is equipped with a 130° HD colour camera and a Plexiglas name plate that can be engraved. The external video unit is supplied with a flush-mounting box. This unique lighting concept (patent pending) provides refined and homogeneous illumination of the engraved nameplate, guaranteeing good visibility in the dark. The touch button requires no maintenance and is extremely durable. Combined with the touchscreen as an internal video unit, access control can be integrated into a Niko Home Control installation via the external video unit. You can then use a smartphone or tablet as an additional external video unit if both the installation and the mobile device have an active Internet connection and the installation has been registered at mynikohomecontrol.niko.eu. Please note: we recommend providing at least one touchscreen on top of the smartphones and/or tablets because a wired device is always more reliable than a mobile one.

- power supply voltage: 48 Vdc ± 10%
- power consumption: 5 W
- ambient temperature: -30 - 60 °C
- dimensions flush-mounting box: 239 x 89 x 47 mm (HxWxD)
- dimensions external unit: 256 x 110 mm (HxW)
- HD camera resolution: 720 horizontal TV lines
- camera angle: 130°
- light sensitivity: 1 lux
- mounting: flush-mounting
- protection degree: IP53
- CE marked

COMPLETE UNIT

550-22001	Pieces: 1	1 illuminated touch button
550-22002	Pieces: 1	2 illuminated touch buttons

COMPLETE UNIT

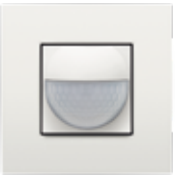
550-00502	Pieces: 1	PoE power supply

ACCESSORIES

550-22091 Pieces: 1 Nameplate for the external video unit with one touch button

550-22092 Pieces: 1 Nameplate for the external video unit with two touch buttons

Wall motion detector, 180°, Niko Home Control, 9 m



This motion detector is suitable for indoor use only. Niko Home Control supplies power to the motion detector. No additional power supply is required. To be used as a motion detector or as a motion detector in combination with a photo cell.

- resting potential: 26 Vdc (SELV, safety extra-low voltage)
- detection angle: 180° horizontal, 60° vertical
- detection range: 9 m (horizontal)
- recommended mounting height: 90 - 110 cm
- light sensitivity: 5 - 1200 lux
- switch-off delay: 10 s
- manual mode option
- ambient temperature: -5 - 45 °C
- CE marked

COMPLETE UNIT

550-20210 Pieces: 6 For claw fixing

550-20211 Pieces: 6 For screw fixing (centre distance: 71 mm)

550-20212 Pieces: 6 For screw fixing

FINISHING SET

100-55511	Pieces: 6	**101-55511**	Pieces: 6	**102-55511**	Pieces: 6
104-55511	Pieces: 6	**121-55511**	Pieces: 6	**122-55511**	Pieces: 6
123-55511	Pieces: 6	**124-55511**	Pieces: 6	**154-55511**	Pieces: 6
157-55511	Pieces: 6	**161-55511**	Pieces: 6	**200-55511**	Pieces: 6
220-55511	Pieces: 6	**221-55511**	Pieces: 6		

Mini presence detector, 360°, Niko Home Control, 9 m

The mini detector detects movement and changes in light intensity. Using this information various Niko Home Control actions can be activated or deactivated. The product is suitable for ceiling mounting in suspended ceilings, both indoors and outdoors.

- Dimensions (HxWxD): 13 x 36 mm
- Dimensions visible (HxWxD): 13 x 36 mm
- Input voltage: 26 Vdc (SELV, safety extra-low voltage)
- Drill diameter: 30 mm
- Detection angle: 360 °
- Detection range (PIR): 9,5 m from a height of 3 m
- Light intensity range: 2 lux – 2500 lux
- Mounting method: flush-mounting

COMPLETE UNIT

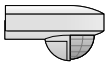
550-20220 Pieces: 1 Detector

Outdoor motion detector, 180°, Niko Home Control, 16 m, with orientable lens

This motion detector is suitable for use on driveways, on outdoor patios, in garden areas or in garages. The detector is equipped with an integrated light sensor. The sensor can be rotated horizontally within a 25° angle to modify the direction of detection. If you do not want the motion detector to detect any motion within a certain section of the detection area, you cover the sensor lens using the cover cap supplied. Niko Home Control supplies power to the motion detector. No additional power supply is required.

- Input voltage: 26 Vdc (SELV, safety extra-low voltage)
  - Detection angle: 180 °
- Detection range (PIR): up to 16 m in diameter from a height of 3 m
- Switch-off delay: 8 s – 30 m
- Protection degree: IP54
- Mounting height: 2,5 m
- Mounting method: surface-mounting
- Ambient temperature: -20 – 45 °C

COMPLETE UNIT



550-20200 Pieces: 1 Detector, white

ACCESSORIES

390-20050 Pieces: 1 Ceiling mounting bracket

Outdoor motion detector, 180°, Niko Home Control, 13 m, with orientable lens, black

This motion detector is suitable for use on driveways, on outdoor patios, in garden areas or in garages. The detector is equipped with an integrated light sensor. The sensor can be rotated horizontally within a 25° angle to modify the direction of detection. If you do not want the motion detector to detect any motion within a certain section of the detection area, you cover the sensor lens using the cover cap supplied. Niko Home Control supplies power to the motion detector. No additional power supply is required.

- Input voltage: 26 Vdc (SELV, safety extra-low voltage)
  - Detection angle: 180 °
- Detection range (PIR): up to 13 m in diameter from a height of 3 m
- Switch-off delay: 8 s – 30 m
- Protection degree: IP54
- Mounting height: 2,5 m
- Mounting method: surface-mounting
- Ambient temperature: -20 – 45 °C

COMPLETE UNIT

550-20201 Pieces: 1 Detector, black

ACCESSORIES

390-20150 Pieces: 10 Ceiling mounting bracket, black

Photo cell, IP54, variable light sensitivity

Photo cell for outdoor applications (IP54). To be used in combination with the analogue sensor module (550-00230). The photo cell has a variable light sensitivity between 3 and 300 lux, 30 and 3 Klux, 300 and 30 Klux or 600 and 60 Klux.

- power supply voltage: 24 Vdc ± 10%
- output signal: 0 - 10 V
- light sensitivity: 3 - 300 lux, 30 - 3 Klux, 300 - 30 Klux or 600 - 60 Klux
- protection degree: IP54
- ambient temperature: -40 - 50 °C

COMPLETE UNIT

350-10012 Pieces: 10 Detector

Twilight switch, 24 V, one channel, 4 A, 2 - 200 lux

Twilight switch for outdoor wall mounting (IP54), suitable for switching outdoor lighting. To be used in combination with the digital potential-free sensor module (550-00210). Large sensor surface for accurate light measuring. In conformity with the European directive for EMC and safety EN60669-2-1.

- power supply voltage: 24 Vac/Vdc ± 10%
- relay contact: NO (max. 4 A)
- incandescent lamps: 40 W
- hysteresis on light sensitivity: + 50%
- switch-off delay: ± 1 min
- light sensitivity: 2 - 200 lux
- protection degree: IP54
- operating temperature: -50 - 50 °C
- dimensions: 102 x 73 x 39 mm (HxWxD)

COMPLETE UNIT

350-10032 Pieces: 5 Twilight switch

Motion detector, 90°, 24 V DC, 0.5 - 22 m

Suitable for motion detection at an angle of 90° and over a distance of 0.5 to 15 m. To be used in combination with a daylight control module (360-35010) for lighting control. The use of the IP54 protection cap (390-20010) is obligatory for outdoor use. This protection cap needs to be ordered separately.

- power supply voltage: 24 V DC ± 10 %
- dimensions (HxWxD): 67 x 52 x 34 mm
- power consumption: < 5 mA
- relay contact: on/off (NPN transistor)
- wire input: 2 x 2 x 0.6 mm²
- detection angle: 90°
- detection range: up to 22 m in diameter at a height of 3 m
- protection degree: IP20
- mounting height: max. 3 m
- ambient temperature: -20 - +50 °C
- mounting: surface-mounting

COMPLETE UNIT

350-30010 Pieces: 1 Detector

ACCESSORIES

390-20010 Pieces: 10 IP54 protection cap

ACCESSORY

390-20000 Pieces: 1 Vandalproof protection cap, wall mounting

Motion detector, 90°, 24 V, 22 m

90° motion detector, 24 V, with a potential-free contact for mounting on walls and ceilings. The detector is durable, functional and compact. The motion detector has a built-in walking test and adjustable sensitivity (5 levels) and can be combined with Niko Home Control. To be used in combination with the digital potential-free sensor module (550-00210). For use in small offices, storage areas, corridors, conference rooms … The motion detector is suitable for the control of HVAC, ventilation, building management systems, Niko Home Control … The switch-off delay of the potential-free relay and the sensitivity of the detector can be set on the device. Also suitable for outdoor applications. In this case a protective cover (to be ordered separately) is used to make the motion detector splashproof (protection degree IP54).

- Input voltage: 24 Vac/Vdc ± 10 %
- Maximum power consumption: 5 W
- Number of channels: 1 channel
- Relay contact 1: on/off (NPN transistor)
- Detection angle: 90 °
- Detection range (PIR): circle, 22 m
- Switch-off delay: 2 s – 30 m
- Protection degree: IP20
- Mounting height: 3 m
- Mounting method: surface-mounting
- Ambient temperature: -20 – 50 °C
- Maximum power consumption: 5 mA

COMPLETE UNIT

350-41279 Pieces: 1 Detector

ACCESSORIES

390-20010 Pieces: 10 IP54 protection cap

ACCESSORY

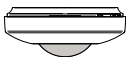
390-20000 Pieces: 1 Vandalproof protection cap, wall mounting

Motion detector, 360°, 24 V, 8 m, for surface mounting

The motion detector has a limited diameter (80 mm) and thickness (3 cm) and an adjustable sensitivity (4 levels). For use in small offices, storage areas, corridors, conference rooms, … The detector is suitable for the control of ventilation, building management systems, Niko Home Control .. To be used in combination with the digital potential-free sensor module (550-00210). It is possible to set both the switch-off delay of the potential-free relay and the sensitivity of the detector on the device using the DIP switches.

- Dimensions (HxWxD): 80 x 80 x 30,6 mm
- Input voltage: 24 Vac/Vdc ± 10 %
- Relay contact : NO. 0,2 A/max 48 V
- Relay contact 1: NO (max. 48 V/0,2 A), potential-free
- Number of channels: 1 channel
- Detection angle: 360°
- Detection range (PIR): up to 8 m in diameter from a height of 3 m
- Switch-off delay: 5 s, 30 s – 1 h
- Protection degree: IP20
- Mounting height: 2,5 – 4 m
- Mounting method: surface-mounting
- Ambient temperature: -5 – 50 °C

COMPLETE UNIT



350-41549 Pieces: 1 Detector

Connected controller for Niko Home Control II

Connected controller

The connected controller is the central module of every Niko Home Control installation. This module contains firmware that can only be programmed with the Niko Home Control programming software 2.1.1 or higher. It covers all basic functions on which a Niko Home Control installation is built. The basic functions include:

- The intelligence directing the logic to the installation. Through the configuration software, the logic is saved locally on the controller.
- The power supply module providing an input voltage of 26 V to the bus, the cabinet modules and the controls. Depending on the size of the installation, separate power supply modules can be added.
- The connection to Niko Home Control IP devices such as touchscreens and external video units. A built-in router allows the user to connect up to 3 devices directly to the controller. With an extra switch, this number can be increased.
- The connection to the internet. This enables the user to control the installation both indoors and outdoors (via mobile networks such as 3G, 4G, GPRS or WiFi hotspot) using mobile devices (smartphones and tablets with iOS or Android).

The module has a TEST button to verify the proper functioning and status of all other modules. The SERVICE button allows you to perform waiting Niko upgrades.

Each installation must consist of one connected controller.

After registration on https://mynikohomecontrol.niko.eu, your installation is connected, enabling control through the app via your smartphone and tablet, and you can enjoy the Niko services for upgrade or diagnosis of the installation.

- equipped with a permanent memory where the programming is stored
- contains firmware that can only be programmed with the Niko Home Control programming software 2.1.1 or higher
- PC programming can always be downloaded from the controller
- dimensions: DIN 6E
- sliding contact to connect the module to the following DIN rail module
- input voltage: 230 Vac ± 10%, 50 Hz
- output voltage: 26 Vdc, 400 mA (SELV, safety extra-low voltage)
- 1 RJ45 port for connection to the home network and/or internet
- 3 RJ45 ports for the Niko Home Control network (connection touchscreens, external video units or Ethernet switch which groups them
- 4 plug-in terminals at the top to connect the module with the rail coupler on the next DIN rail
- 4 plug-in terminals at the bottom of the module to be provided with 230 Vac power supply voltage and daisy-chained if necessary
- CE marked
- ambient temperature: 0 - 45 °C
- protected against short-circuit, over voltage and overheating

COMPLETE UNIT

550-00003 Pieces: 1 Connected controller

Power supply

The power supply, in combination with the connected controller, provides an extra input voltage of 26 V to the bus, modules and controls. An extra power supply is only necessary in installations for which the power of the built-in power supply of the connected controller is insufficient. Up to 2 extra power supplies can be connected to installations with a connected controller. The MASTER button is not used, as the built-in power supply of the connected controller is always the master. For more information on the required number of power supplies, you can consult the installation manual.

- dimensions: DIN 4E
- sliding contact to connect the module to the following module on the DIN rail
- 4 connection terminals at the top to connect the power supply with the rail coupler on the next DIN rail
- CE marked
- ambient temperature: 0 - 45 °C
- short circuit, over voltage, faulty connection and overheating protection

COMPLETE UNIT

550-00010 Pieces: 6 Power supply

Rail coupler

This module is always mounted first on the left at the start of a new row of DIN rail modules that doesn't contain a connected controller or power supply. Interconnect the power supply and bus through the contacts at the top and bottom.

- dimensions: DIN 2U
- sliding contact to connect the module to the following module on the DIN rail
- 2 x 4 screw terminals for 3 x 1.5 mm² or 2 x 2.5 mm² or 1 x 4 mm²
- CE marked
- ambient temperature: 0 - 45 °C

COMPLETE UNIT

550-00020	Pieces: 10	Rail coupler

Switching module (3x)

The three-fold switching module is suitable for switching a maximum of three different switching circuits, e.g. light points or socket outlets. The module allows you to interconnect one neutral conductor to maintain neat cabling in the cabinet. The module includes three indication LEDs and one status LED. Bistable relays ensure low energy consumption.

- switch only one phase per switching module
- maximum load: 230 V – 16 A per switching contact
- maximum load for the entire module: 230 V – 40 A
- 3 independent switching circuits possible on the same phase
- dimensions: DIN 2U
- sliding contact to connect the module to the following module on the DIN rail
- 2 x 4 screw terminals for 3 x 1.5 mm² or 2 x 2.5 mm² or 1 x 4 mm²
- CE marked
- ambient temperature: 0 - 45 °C

COMPLETE UNIT

550-00103	Pieces: 10	Switching module (3x)

Switching module (6x)

The six-fold switching module is suitable for switching a maximum of six different switching circuits, e.g. light points or socket outlets. The module allows you to interconnect two neutral conductors to maintain neat cabling in the cabinet. The module includes six indication LEDs and one status LED. Bistable relays ensure low energy consumption.

- switch only one phase per switching module
- maximum load: 230 V – 16 A per switching contact
- maximum load for the entire module: 230 V – 32 A
- 2 groups with 3 switching contacts each
- dimensions: DIN 4U
- sliding contact to connect the module to the following module on the DIN rail
- 2 x 8 screw terminals for 3 x 1.5 mm² or 2 x 2.5 mm² or 1 x 4 mm²
- CE marked
- ambient temperature: 0 - 45 °C

COMPLETE UNIT

550-00106	Pieces: 6	Switching module (6x)

Universal dim module (2 x 400 W)

The universal dim module is a DIN module with two channels for dimming light circuits. This module is suitable for incandescent lamps, 230 V halogen lamps, 12 V halogen lamps with a ferromagnetic or electronic transformer, dimmable LED lamps (max. 10) and dimmable economy lamps CFLi (max. 10). The minimum light intensity and the type of lighting you wish to dim can be manually adjusted. The modules can be placed alongside each other without additional derating.

- input voltage: 230 Vac ± 10%, 50 Hz
- ambient temperature: 0 - 45 °C
- for use in an environment with non-condensing atmospheric humidity (30% - 70%)
- dimming capacity per channel: 5 - 400 VA (at 45 °C) or 5 - 500 VA (at 35 °C)
- minimum light intensity and phase control or reverse phase control can be adjusted manually
- connect maximum 10 CFLi lamps or dimmable LED lamps
- 2 x 4 screw terminals for 3 x 1.5 mm² or 2 x 2.5 mm² or 1 x 4 mm²
- sliding contact to connect the module to the following module on the DIN rail
- in conformity with EN60669-2-1
- short-circuit and overheating protection
- CE marked
- dimensions: DIN 4U

COMPLETE UNIT

550-00340	Pieces: 6	Universal dim module (2x400 W)

NEW

DALI-2 addressable module, 2 channels

The DALI-2 fully addressable 2-channel interface module allows up to 128 DALI endpoints to be connected to a Niko Home Control installation. Addressing and programming of the DALI devices is done from within the Niko Home Control programming software, and no prior DALI knowledge is required. Each of the DALI endpoints can be configured and controlled separately, without the need to use any other DALI software or interface. The module comes with a built-in power supply, so there is no need to use a dedicated DALI power supply for the DALI bus.

Support of DALI device types (control gear):

- DT0 (Fluorescent, lamp control gear)
- DT1 (Self-contained emergency, control gear)
- DT2 (Discharge HID, lamp control gear)
- DT3 (Low-voltage halogen, lamp control gear)
- DT4 (Incandescent lamp, dimmer)
- DT5 (Conversion to D.C. voltage, 1-10 V, 0-10 V converter)
- DT6 (LED lamp, control gear)
- DT7 (Switching, relay control gear)

DALI device type DT8 (Colour, Control gear) is not yet supported

- input voltage: 230 Vac ± 10%, 50 Hz
- DALI output voltage: 12 – 20,5 V
- ambient temperature: 0 - 45 °C
- maximum number of DALI outputs per channel: 64
- maximum output current per channel: 250 mA
- maximum guaranteed current per channel: 175 mA
- screw terminals 3 x 1.5 mm^2 or 2 x 2.5 mm^2 or 1 x 4 mm^2
- dimensions: DIN 4U
- sliding contact to connect the module to the following module on the DIN rail
- protected against short-circuit, over voltage and overheating
- DALI protocol: EN62386
- CE marked
- Protection degree: IP20

COMPLETE UNIT

550-00370 Pieces: 1 DALI bus module

NEW

DALI-2 broadcast module, 2 channels

The DALI-2 2-channel broadcast module drives two DALI bus channels concurrently. The two channels are exposed as dimmable light sources in Niko Home Control without the need for any additional configuration or use of DALI programming software. All DALI endpoints will simultaneously react to a Niko Home Control command, meaning that up to 64 endpoints per channel will act as a single dimmable light circuit. The module comes with a built-in power supply, so there is no need to use a dedicated DALI power supply for the DALI bus.

Support of DALI device types (control gear):

- DT0 (Fluorescent, lamp control gear)
- DT1 (Self-contained emergency, control gear)
- DT2 (Discharge HID, lamp control gear)
- DT3 (Low-voltage halogen, lamp control gear)
- DT4 (Incandescent lamp, dimmer)
- DT5 (Conversion to D.C. voltage, 1-10 V, 0-10 V converter)
- DT6 (LED lamp, control gear)
- DT7 (Switching, relay control gear)

DALI device type DT8 (Colour, Control gear) is not yet supported

- input voltage: 230 Vac ± 10%, 50 Hz
- DALI output voltage: 12 – 20,5 V
- ambient temperature: 0 - 45 °C
- maximum number of DALI outputs per channel: 64
- maximum output current per channel: 250 mA
- maximum guaranteed current per channel: 175 mA
- screw terminals 3 x 1.5 mm^2 or 2 x 2.5 mm^2 or 1 x 4 mm^2
- dimensions: DIN 4U
- sliding contact to connect the module to the following module on the DIN rail
- protected against short-circuit, over voltage and overheating
- DALI protocol: EN62386
- CE marked
- Protection degree: IP20

COMPLETE UNIT

550-00371 Pieces: 1 DALI broadcast module

DALI-2 broadcast module, 2 channels

The DALI-2 2-channel broadcast module drives two DALI bus channels concurrently. The two channels are exposed as dimmable light sources in Niko Home Control without the need for any additional configuration or use of DALI programming software. All DALI endpoints will simultaneously react to a Niko Home Control command, meaning that up to 64 endpoints per channel will act as a single dimmable light circuit. The module comes with a built-in power supply, so there is no need to use a dedicated DALI power supply for the DALI bus.

- input voltage: 230 Vac ± 10%, 50 Hz
- DALI output voltage: 12 – 20,5 V
- ambient temperature: 0 - 45 °C
- maximum number of DALI outputs per channel: 64
- maximum output current per channel: 250 mA
- maximum guaranteed current per channel: 175 mA
- screw terminals 3 x 1.5 mm^2 or 2 x 2.5 mm^2 or 1 x 4 mm^2
- dimensions: DIN 4U
- sliding contact to connect the module to the following module on the DIN rail
- protected against short-circuit, over voltage and overheating
- DALI protocol: EN62386
- CE marked
- Protection degree: IP20

Available as of 4th quarter 2020

COMPLETE UNIT

550-00371	Pieces: 1	DALI broadcast module

DALI-2 addressable module, 2 channels

The DALI-2 fully addressable 2-channel interface module allows up to 128 DALI endpoints to be connected to a Niko Home Control installation. Addressing and programming of the DALI devices is done from within the Niko Home Control programming software, and no prior DALI knowledge is required. Each of the DALI endpoints can be configured and controlled separately, without the need to use any other DALI software or interface. The module comes with a built-in power supply, so there is no need to use a dedicated DALI power supply for the DALI bus.

- input voltage: 230 Vac ± 10%, 50 Hz
- DALI output voltage: 12 – 20,5 V
- ambient temperature: 0 - 45 °C
- maximum number of DALI outputs per channel: 64
- maximum output current per channel: 250 mA
- maximum guaranteed current per channel: 175 mA
- screw terminals 3 x 1.5 mm^2 or 2 x 2.5 mm^2 or 1 x 4 mm^2
- dimensions: DIN 4U
- sliding contact to connect the module to the following module on the DIN rail
- protected against short-circuit, over voltage and overheating
- DALI protocol: EN62386
- CE marked
- Protection degree: IP20

Available as of 4th quarter 2020

COMPETE UNIT

550-00370	Pieces: 1	DALI bus module

Motor module

The motor module can operate up to three applications that are motor-controlled, such as roll-down shutters, sun blinds and venetian blinds. The module allows you to interconnect two neutral conductors to maintain neat cabling in the cabinet. The module includes six indication LEDs and one status LED. Bistable relays ensure low energy consumption. The run time can be adjusted via the programming software (5 s to 4 min, adjustable per second).

- switch only one phase per motor module
- switching delay: 0.5 s
- maximum number of motors allowed: 3
- maximum load: 230 V – 6 A per switching contact
- dimensions: DIN 4U
- sliding contact to connect the module to the following module on the DIN rail
- 2 x 8 screw terminals for 3 x 1.5 mm^2 or 2 x 2.5 mm^2 or 1 x 4 mm^2
- CE marked
- ambient temperature: 0 - 45 °C

COMPLETE UNIT

550-00130	Pieces: 6	Motor module

Electricity measuring module (1 channel)

This module allows the resident to measure the consumption or the production on one switching circuit or phase. The module is suitable for measuring the total consumption or total production in homes connected to a single-phase supply network. You attach the accompanying current clamp by clipping it around the conductor of the circuit or phase to be measured (measurement of current) and you use the connection terminals to establish a connection with the circuit or phase to be measured (measurement of voltage). By measuring both current and voltage, you obtain accurate measurements. The consumption and, if necessary, also the production will appear on the eco-display. Using the touchscreen or control app, residents can easily monitor their consumption or production and detect deviations. The module is provided with one indication LED and one status LED.

- measurement range with the current clamp supplied: 5 - 14490 W, 22 mA – 63 A
- measurement range with current clamp 550-00809: 90 - 27600 W, 400 mA – 120 A
- input voltage: 230 Vac
- 1 current clamp (included)
- accuracy: IEC62053-21 class 1 (R), class 2 (L)
- single-phase connection: 230 Vac, 50 Hz
- maximum cable thickness for the current clamp supplied: 1 x 10 mm^2 or 6 x 2.5 mm^2 or 9 x 1.5 mm^2
- maximum cable thickness for current clamp 550-00809: 4 x 10 mm^2 or 12 x 2.5 mm^2 or 20 x 1.5 mm^2
- length of the connector cable at the current clamp: 100 cm
- not suitable for measuring direct current components
- measuring data for informative purposes only, not valid for invoicing
- 4 screw terminals to measure the voltage of the connected switching circuit
- 2 screw terminals to connect the current clamp supplied
- sliding contact to connect the module to the following module on the DIN rail
- dimensions: DIN 2U
- CE marked
- ambient temperature: 0 - 45 °C

COMPLETE UNIT

550-00801 Pieces: 6 Electricity measuring module (1 channel), current clamp 63 A included

ACCESSORIES

550-00809 Pieces: 1 Current clamp 120 A

Electricity measuring module (3 channels)

This module allows the resident to measure the consumption or the production on several switching circuits or phases. The module is suitable for measuring the total consumption or total production in homes connected to a single-phase supply network, a three-phase supply network 3N 400 Vac or a three-phase supply network 3 x 230 Vac (if this network can be divided into three single-phase circuits). The resident can also measure part of the installation, e.g. the production of photovoltaic solar panels, the consumption of some circuits (such as the upper floor of a house) or a specific device (heavy electricity user). You attach the three accompanying current clamps by clipping it around the conductors of the circuits or phases to be measured (measurement of current) and you use the connection terminals to establish a connection with the circuits or phases to be measured (measurement of voltage). By measuring both current and voltage, you obtain accurate measurements. The consumption and, if necessary, also the production will appear on the eco-display. Using the touchscreen or control app, residents can easily monitor their consumption or production and detect deviations. The module is provided with one indication LED and one status LED.

- measurement range with the current clamps supplied: 5 - 14490 W, 22 mA – 63 A
- measurement range with current clamp 550-00809: 90 - 27600 W, 400 mA – 120 A
- maximum measurement range for the total measuring module: 32768 W
- input voltage: 230 Vac
- 3 current clamps (included)
- accuracy: IEC62053-21 class 1 (R), class 2 (L)
- connection:
  - three-phase: 3N 400 Vac, 50 Hz
  - single-phase: three switching circuits of 230 Vac, 50 Hz
- maximum cable thickness for the current clamps supplied: 1 x 10 mm^2 or 6 x 2.5 mm^2 or 9 x 1.5 mm^2
- maximum cable thickness for current clamp 550-00809: 4 x 10 mm^2 or 12 x 2.5 mm^2 or 20 x 1.5 mm^2
- length of the connector cable at each current clamp: 100 cm
- not suitable for measuring direct current components
- measuring data for informative purposes only, not valid for invoicing
- 3 x 2 screw terminals to measure the voltage of the connected switching circuits
- 3 x 2 screw terminals to connect the current clamps supplied
- sliding contact to connect the module to the following module on the DIN rail
- dimensions: DIN 4U
- CE marked
- ambient temperature: 0 - 45 °C

COMPLETE UNIT

550-00803 Pieces: 10 Electricity measuring module (3 channels), 3 current clamps 63 A included

ACCESSORIES

550-00809 Pieces: 1 Current clamp 120 A

Pulse counter

The pulse counter allows you to monitor gas, water and electricity consumption or electricity production. The module has three pulse inputs and can be connected to up to three meters. You connect the module to the pulse output of a gas, water or electricity meter. Only one gas meter and one water meter can be connected to each installation. The scale factor of the pulses (e.g. 1 pulse = 10 litres) and the meter type (gas, water or electricity) can be selected via the programming software. The consumption and, if necessary, also the production will appear on the eco-display. Using the touchscreen or control app, residents can easily monitor their consumption or production and detect deviations. The module is provided with one indication LED and one status LED.
For a newly constructed dwelling, you can ask the building supervisor to request a gas or water meter with pulse output from the energy supplier.

- maximum pulse frequency per input: 10 Hz
- minimum pulse duration: 30 ms
- only for meters with a pulse output isolated from the mains in accordance with SELV (safety extra-low voltage) requirements
- measuring data for informative purposes only, not valid for invoicing
- 4 screw terminals for 3 x 1.5 mm^2 or 2 x 2.5 mm^2 or 1 x 4 mm^2
- sliding contact to connect the module to the following module on the DIN rail
- dimensions: DIN 2U
- CE marked
- ambient temperature: 0 - 45 °C

COMPLETE UNIT

550-00250 Pieces: 10 Pulse counter

Heating or cooling module

The heating or cooling module controls the heating or cooling in maximum four zones or rooms. Each zone or room should be equipped with a Niko Home Control thermostat. The module has four outputs to control zone valves (e.g. zone valves at 230 Vac or 24 Vdc) or circulation pumps in four zones or rooms, and one output to set the heating or cooling system to the day or night mode (depending on the heating or cooling request of one of the zones or rooms) Most boilers or cooling units are fitted with an input contact (e.g. a telephone or boiler contact) for this purpose. The module is provided with five indication LEDs and one status LED. Bistable relays ensure low energy consumption. You contact the HVAC installer to have the heating or cooling system fitted with zone valves (e.g. zone valves at 230 Vac or 24 Vdc on the heating collector or radiator) or tunable circulation pumps and to verify the contact of the heating or cooling unit to which the system should be connected.

- maximum current per module: 16 A
- screw terminals for controlling 4 zone valves or circulation pumps at 230 Vac or 24 Vdc (do not mix per module)
- 2 x 7 screw terminals for 3 x 1.5 mm^2 or 2 x 2.5 mm^2 or 1 x 4 mm^2
- dimensions: DIN 4E
- sliding contact to connect the module to the following module on the DIN rail
- CE marked
- ambient temperature: 0 - 45 °C

COMPLETE UNIT

550-00150 Pieces: 6 Heating or cooling module

Ventilation module

The ventilation module controls the central ventilation system via the Niko Home Control installation. The module is suitable for use with whole house ventilation systems (mechanical extract ventilation or mechanical supply and extract ventilation with heat recovery). You connect the ventilation system to this module, instead of connecting it to the three- or four-way switch supplied with the system. The programming software allows you to select when and for how long the ventilation should remain activated for each setting, i.e. low (eco), normal or high. The resident can considerably save energy while maintaining optimum air quality by incorporating the ventilation control in the eco-function (all off) or calendar-based functions, for instance. The module includes three indication LEDs and one status LED. Bistable relays ensure low energy consumption.

- suitable for the two-wire or three-wire control of a ventilation unit
- switch only one phase per ventilation module
- maximum load: 230 Vac – 16 A per channel
- screw terminals to control 3 settings: low (eco), normal or high
- 2 x 4 screw terminals for 3 x 1.5 mm^2 or 2 x 2.5 mm^2 or 1 x 4 mm^2
- dimensions: DIN 2U
- sliding contact to connect the module to the following module on the DIN rail
- CE marked
- ambient temperature: 0 - 45 °C

COMPLETE UNIT

550-00140 Pieces: 10 Ventilation module

Analogue control module 0-10 V

Up to three high-power dimmers can be connected to the Niko Home Control installation using the analogue control module 0-10 V. Useful Niko reference codes: 05-711, 05-715, 65-410, 65-412, 65-416 and 330-00701.

- 3 outputs: 0 - 10 V (FELV, functional extra-low voltage), voltage-controlled (U)
- maximum distance between dimmers and module: 50 m
- maximum load: 10 mA per channel
- short-circuit protection per channel
- 4 screw terminals for 3 x 1.5 mm^2 or 2 x 2.5 mm^2 or 1 x 4 mm^2
- dimensions: DIN 2U
- sliding contact to connect the module to the following module on the DIN rail
- ambient temperature: 0 - 45 °C
- CE marked

COMPLETE UNIT

550-00240 Pieces: 10 Analogue control module 0-10 V

Analogue control module 1-10 V

Up to three dimmers and/or switching devices can be connected to the Niko Home Control installation using the analogue control module 1-10 V:
- dimmers with an analogue input of 1-10 V for dimming monochrome LEDs.
- electronic control gear for fluorescent lights.
- high-power dimmers with an analogue input of 1-10 V.

Useful Niko reference codes: 05-715, 65-410, 65-412, 65-416, 340-00028, 340-00029 and 330-00701.

- 3 outputs: 1 - 10 V (FELV, functional extra-low voltage), current-controlled (I)
- option of connecting 3 individual phases
- maximum distance between dimmers and module: 50 m
- maximum load: 20 mA per channel, protected from 50 mA per channel and maximum 11 V
- galvanic isolation when connecting the power circuit (6 A per channel)
- 2 x 6 screw terminals for 3 x 1.5 mm^2 or 2 x 2.5 mm^2 or 1 x 4 mm^2
- dimensions: DIN 4U
- sliding contact to connect the module to the following module on the DIN rail
- ambient temperature: 0 - 45 °C
- CE marked

COMPLETE UNIT

550-00241 Pieces: 6 Analogue control module 1-10 V

Digital potential-free sensor module

The digital potential-free sensor module allows you to connect maximum three sensors equipped with an NO contact or an NPN transistor output to the Niko Home Control installation. The connected sensors should be suitable for applications with safety extra-low voltage (SELV). Typical applications include twilight switches, smoke detectors, motion detectors, door communication systems or contacts used in locks, telephone interfaces and alarm installations.

- maximum distance between sensors and sensor module: 50 m
- 4 screw terminals for 3 x 1.5 mm^2 or 2 x 2.5 mm^2 or 1 x 4 mm^2
- dimensions: DIN 2U
- sliding contact to connect the module to the following module on the DIN rail
- ambient temperature: 0 - 45 °C
- CE marked

COMPLETE UNIT

550-00210 Pieces: 10 Digital potential-free sensor module

Analogue sensor module

The analogue sensor module allows you to connect three external analogue sensors with an output of 0-10 V to the Niko Home Control installation. These sensors must be suitable for applications with a safety extra-low voltage (SELV), such as sensors for measuring sunlight, wind, rain, CO2, humidity, or temperature. In function of the values measured, applications such as sun blinds, roll-down shutters, and lights can be operated automatically.

- a maximum of 10 analogue sensor modules per installation
- maximum distance between sensors and sensor module: 100 m
- 4 screw terminals for 3 x 1.5 mm^2 or 2 x 2.5 mm^2 or 1 x 4 mm^2
- dimensions: DIN 2U
- sliding contact to connect the module to the following module on the DIN rail
- ambient temperature: 0 - 45 °C
- CE marked

COMPLETE UNIT

550-00230 Pieces: 10 Analogue sensor module

RF interface Easywave

This RF interface Easywave allows you to use the Niko wireless controls that operate according to the Easywave protocol (except for remote control 05-312) in the Niko Home Control installation. This module can receive radio signals (Easywave), which allows for the use of these controls:

- where this would not normally be possible, e.g. on glass or concrete surfaces.
- for the renovation of heritage-listed buildings.
- for expansions of existing installations where drilling or channelling work is not permitted.
- in office areas with movable partition walls.
- when complex cabling is to be avoided.

- one RF interface Easywave per installation
- use with the external antenna supplied
- position the antenna on a metal surface of at least 15 x 15 cm
- reception range: ± 30 m indoors, 100 m in open spaces
- dimensions: DIN 2U
- sliding contact to connect the module to the following module on the DIN rail
- ambient temperature: 0 - 45 °C
- CE marked

COMPLETE UNIT

550-00610 Pieces: 6 RF interface Easywave

NEW

USB RF interface

The USB RF interface makes it possible to use Niko wireless Easywave controls (with the exception of the remote control 05-312) in the Niko Home Control installation for bus cabling.

This allows wireless controls to be installed:

- on surfaces unsuited to cabling (e.g. glass or concrete partitions)
- for the renovation of heritage-listed buildings
- for expansions of existing installations where drilling or channelling work is not permitted
- in office areas with movable partition walls
- when complex cabling is to be avoided.

The interface is shaped like a USB stick and can be connected to the connected controller (550-0000x) in the electrical cabinet, using the provided extension cable (3 m). The end of the extension cable is fitted with an assembly ring allowing the antennae to be attached to the outside of the electrical cabinet for optimal reception.

- one USB RF interface per installation
- for use with USB extension cable (3 m) provided
- input voltage: via USB port
- modulation: frequency shift
- usage frequency: 868.30 Mhz
- maximum radio frequency power of the Easywave signal: 5.85 dBm
- transmission range: max. 30 m indoors, 100 m in open spaces
- ambient temperature: 0 - +40 °C

COMPLETE UNIT

410-00099 Pieces: 10

Programming software Niko Home Control II

The new software is even more user-friendly, intuitive and visually structured. The software can be downloaded free of charge from the Niko website. The software is available for Windows and Mac.

Do you want to upgrade an existing Niko Home Control I installation with this software? Please read our FAQ before upgrading.

NIKO HOME CONTROL II PROGRAMMING SOFTWARE

550-99102	Pieces: 1	Programming software for Windows
550-99202	Pieces: 1	Programming software for Mac

Configuration and control app Niko Home

Set up and control your Niko Home Control installation for traditional wiring in a user-friendly way or use this app to control your Niko Home Control installation for bus wiring.

Your Niko Home Control installation needs to contain a wireless smart hub (552-00001) or connected controller (550-00003) and has to be connected to the internet. The installation needs to be running Niko Home Control II programming software 2.5.1 (or more recent). You can download the app for free from the app store or google play store.

Features:
- Set up, configure and control your Niko Home Control installation on traditional wiring
- Control your Niko Home Control installation on bus wiring
- Add your favourite controls to your Favourites screen.
- Receive preconfigured notifications from your installation.

NIKO HOME APP

550-92140	Pieces: 1	Niko Home app for iOS
550-92240	Pieces: 1	Niko Home app for Android

Essentials

The basic installation already offers your customers more possibilities than a traditional electrical installation would. With Niko Home Control, the resident chooses simple, intuitive and always modifiable controls via push buttons with clear function symbols. They can set preferences and add or modify moods, names and automatic time settings.
With one push of the all-off button, lighting and other systems you want shut down are all turned off. Programmed timers switch lights on and off, giving you even more control. Presence simulation and a panic button increase the feeling of safety. With their smartphone and tablet, they are always in control of their home, anywhere in the world.

Niko Home Control for bus wiring	Ref.	Apartment	Residence	Large residence
Connected controller	550-00003	1	1	1
Rail coupler	550-00020	1	1	1
Switching module for 3 different circuits	550-00103	1	1	-
Swiching module for 6 different circuits	550-00106	1	2	4
Simple print circuit board	550-14110	8	15	24
Double print circuit board	550-1402x + 550-14090	1	2	2
Single push button with indication LED*	xxx-52001	9	9	8
Double push button with indication LED*	xxx-52002	1	9	15
Four-fold push button with indication LED*	xxx-52004	1	1	4
All-off button*	xxx-52901	1	1	1

Apartment: 8 lighting circuits + 1 circuit with connected switching socket outlets
Residence: 13 lighting circuits + 2 circuits with connected switching socket outlets
Large residence: 21 lighting circuits + 3 circuits with connected switching socket outlets

* Faceplates must be ordered separately

Comfortable living

Niko Home Control can not only be controlled via buttons, your smartphone or tablet, but also with a central touchscreen on the wall. With dimmers, motion detectors and mood control, your customers choose complete ease of use. For each activity, they can set the right mood which can be chosen with one push of the button. Automatically controlled lighting outside, in the toilet, storage areas and the dressing room, provides more comfort and saves energy.

Niko Home Control for bus wiring	Ref.	Apartment	Residence	Large residence
Connected controller	550-00003	1	1	1
Rail coupler	550-00020	1	1	2
Switching module for 3 different circuits	550-00103	-	-	1
Switching module for 6 different circuits	550-00106	1	2	2
Universal dim module 2 x 400 W	550-00340	2	2	3
Mood control	550-13041	1	1	1
Digital black 24 V	550-18001	1	2	5
Power supply for Digital black	340-00050	1	2	5
Touchscreen	550-20102	1	1	1
Power supply for touchscreen	550-00502	1	1	2
Outdoor motion detector	550-20200	-	1	1
Indoor motion detector*	550-20210 + xxx-55511	1	1	2
Mini detector	550-20220	2	3	5
Single print circuit board	550-14110	11	15	27
Double print circuit board	550-14021 + 550-14090	-	1	2
Single push button with indication LED*	xxx-52001	4	6	9
Double push button with indication LED*	xxx-52002	3	5	9
Four-fold push button with indication LED*	xxx-52004	1	1	6
Single dimming control with indication LED*	xxx-52043	3	3	5
Double dimming control with indication LED*	xxx-52046	1	2	2
All-off button*	xxx-52901	1	1	1

Apartment: 5 lighting circuits + 4 dimmable light circuits + 1 circuit with connected switching socket outlets
Residence: 10 lighting circuits + 4 dimmable light circuits + 2 circuits with connected switching socket outlets
Large residence: 18 lighting circuits + 6 dimmable light circuits + 3 circuits with connected switching socket outlets

* Faceplates must be ordered separately

Safe living

If Niko Home Control detects something suspicious, your customers will receive a notice on their smartphone. The roll-down shutters go up if the smoke detectors detect fire and the lighting is automatically switched on as soon as it gets dark or once motion is detected. Connection to an alarm system switches on the lighting in case of unwanted visitors. A push on the panic button switches all lights on at once. If they're not home, the presence simulation automatically controls the lighting and roll-down shutters in the morning and evening. And thanks to the video unit at the front door, they can use their touchscreen, tablet or smartphone to see who is at the door.

Niko Home Control for bus wiring	Ref.	Apartment	Residence	Large residence
Connected controller	550-00003	1	1	1
Rail coupler	550-00020	1	1	2
Switching module for 3 different circuits	550-00103	1	1	-
Switching module for 6 different circuits	550-00106	1	2	4
Motor module	550-00130	1	1	2
Digital potential-free sensor module	550-00210	1	1	1
Digital black 24 V	550-1800x	1	2	5
Power supply for Digital black	340-00050	1	2	5
Touchscreen	550-20102	1	1	1
Power supply for touchscreen	550-00502	1	1	2
Outdoor motion detector	550-20200	-	1	3
Indoor motion detector*	550-20210 + xxx-55511	1	1	2
Mini detector	550-20220	3	3	4
External video unit with one illuminated touch button	550-22001	-	1	1
Single print circuit board	550-14110	4	10	18
Double print circuit board	550-1402x + 550-14090	3	3	4
Single push button with indication LED*	xxx-52001	4	8	11
Double push button with indication LED*	xxx-52002	2	5	9
Four-fold push button with indication LED*	xxx-52004	1	1	3
Single motor control with indication LED*	xxx-52033	3	1	1
Double motor control with indication LED*	xxx-52036	-	1	2
All-off button*	xxx-52901	1	1	1

Apartment: 8 lighting circuits + 1 circuit with connected switching socket outlets
Residence: 13 lighting circuits + 2 circuits with connected switching socket outlets
Large residence: 21 lighting circuits + 3 circuits with connected switching socket outlets

* Faceplates must be ordered separately

Energy-conscious living

Thanks to zone heating, your customers heat each room at different moments and temperatures. Smart ventilation responds to presence and the lights in the room. Roll-down shutters, curtains and sun blinds are controlled automatically. With connected switching socket outlets, your customers can easily turn connected devices on or off and measure the energy consumption of those devices. Via the touchscreen, a separate eco display, smartphone and/or tablet, they have access to their home's energy consumption at all times. Niko Home Control controls our partners' ventilation, heating and energy management systems automatically.

Niko Home Control for bus wiring	Ref.	Apartment	Residence	Large residence
Connected controller	550-00003	1	1	1
Rail coupler	550-00020	1	2	2
Switching module for 3 different circuits	550-00103	-	-	1
Switching module for 6 different circuits	550-00106	2	3	4
Motor module	550-00130	1	2	3
Ventilation module	550-00140	1	1	1
Heating or cooling module	550-00150	1	1	1
Digital potential-free sensor module	550-00210	1	1	1
Pulse counter	550-00250	-	1	1
Module for measuring electricity in homes connected to a single-phase network	550-00801	-	1	-
Electricity measuring module (3 channels)	550-00803	-	-	1
Thermostat	550-1305x	2	2	3
Eco-display	550-1308x	-	1	1
Digital black 24 V	550-1800x	1	2	5
Power supply for Digital black	340-00050	1	2	5
Touchscreen	550-20102	1	1	1
Power supply for touchscreen	550-00501	1	1	2
Single print circuit board	550-14110	7	13	16
Double print circuit board	550-1402x + 550-14090	4	5	10
Single push button with indication LED*	xxx-52001	7	9	8
Double push button with indication LED*	xxx-52002	3	9	16
Four-fold push button with indication LED*	xxx-52004	1	1	4
Single motor control with indication LED*	xxx-52033	3	1	5
Double motor control with indication LED*	xxx-52036	-	2	2
Ventilation control with indication LED*	xxx-52054	1	1	1
All-off button*	xxx-52901	1	1	1

Apartment: 8 lighting circuits + 1 circuit with connected switching socket outlets
Residence: 13 lighting circuits + 2 circuits with connected switching socket outlets
Large residence: 21 lighting circuits + 3 circuits with connected switching socket outlets

* Faceplates must be ordered separately

Independent living

Easily adapt Niko Home Control to the new needs of your existing customers. Stick or screw our wireless controls precisely where your customers need them. Electrical devices that can lead to dangerous situations, such as ovens or hobs, can be turned off automatically. In emergency situations, a wireless panic button quickly warns a family member or trusted person. And when Niko Home Control does not register any movement for several hours when your customers are home, a family member will receive an alert on their smartphone. No matter what you program: your customers remain in control and can easily turn off any function.

Niko Home Control for bus wiring	Ref.	Apartment	Residence	Large residence
Connected controller	550-00003	1	1	1
Rail coupler	550-00020	1	1	2
Switching module for 3 different circuits	550-00103	1	1	-
Switching module for 6 different circuits	550-00106	1	2	4
Motor module	550-00130	1	1	2
Digital potential-free sensor module	550-00210	1	1	1
Digital black 24 V	550-1800x	1	2	5
Power supply for Digital black	340-00050	1	2	5
Touchscreen	550-20102	1	1	1
Power supply for touchscreen	550-00501	1	1	2
Outdoor motion detector	550-20200	-	1	3
Indoor motion detector*	550-20210 + xxx-55511	1	1	2
Mini detector	550-20220	3	3	4
External video unit with one illuminated touch button	550-22001	-	1	1
Single print circuit board	550-14110	4	10	18
Double print circuit board	550-1402x + 550-14090	3	3	4
Wireless switch with 2 control buttons	410-00001	1	1	2
Single push button with indication LED*	xxx-52001	4	8	11
Double push button with indication LED*	xxx-52002	2	5	9
Four-fold push button with indication LED*	xxx-52004	1	1	3
Single motor control with indication LED*	xxx-52033	3	1	1
Double motor control with indication LED*	xxx-52036	-	1	2
All-off button*	xxx-52901	1	1	1

Apartment: 8 lighting circuits + 1 circuit with connected switching socket outlets
Residence: 13 lighting circuits + 2 circuits with connected switching socket outlets
Large residence: 21 light circuits + 3 circuits with connected switching socket outlets

* Faceplates must be ordered separately

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 700 employees and 10 European branches.

At Niko, there is one question that keeps us busy every day: “How can we enhance buildings to better suit your needs?”

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