



## Niko access control

Analogue door communication for  
any type of home

***niko***





# Niko access control

## Custom-tailored analogue door communication

Are you providing door communication for a multiple dwelling unit, apartment building or residential project with 2 to over 100 (housing) units? Niko's external and internal units offer you a solution for making the best of any access control project.

From modular external units to elegant internal units, with or without a receiver, we have a suitable solution for every client and resident.

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# Niko configuration software

## For access control

The Niko Configuration Software allows you to configure and read out your new access control installation online. You prepare the configuration offline on your laptop. You assign the bell push buttons to the right internal unit. For most devices and units, you can set the desired parameters.

You can put an entire project together with your internal units, external units, power supplies and any extension capabilities. Thanks to the PC interface (10-855), you can upload the full configuration quickly and easily to the installation. Do you need to read out an existing installation for maintenance or to adjust parameters? This can also be done.

### Stylish and user-friendly interface

The Niko configuration software provides a stylish and user-friendly working environment for your laptop. It will take you through the entire programming process with no issues.

### Programme your access control settings as desired

The Niko configuration software allows you to configure your access control installation with the functionality your customers want. Depending on the device, you can configure how many bell push buttons should be active, how long it takes before the door opens and the maximum time a conversation can last.

You can also determine how long the bell push button may ring, which ringtone to use and the volume your customer wants, as well as how quickly the light sensors should illuminate the external unit when it gets dark. You can then determine how long a call can stay active until it is answered, whether conversations can be fully hands-free and two-way, and how long your customer has to read their transponder card or key.

### Niko Configuration Software



Download the free Niko Configuration Software for access control at [www.niko.eu](http://www.niko.eu).

Test out the demo version today. Do you need to configure a real access control installation?

Then order a PC interface (10-855) and request your personal activation code.

Software interface for door control configuration. The left sidebar shows a tree view of components:

- Bus
- Binnengposten
  - 10-576.1114
  - 10-575.1115
  - 10-571.1116
  - 10-572/10-573
- Buitengposten
  - 10-300.2114
  - 10-360.2115
  - 10-362.2116
- Functie-uitbreiding
  - 10-830/10-831
  - 10-850 Typ 64
  - 10-845.3113
- Voedringen
  - 10-
  - 10-
  - 10-
- Toegangscontrole
  - 10-901.5111
  - 10-905.5112
  - 10-363.5113

Configuration parameters on the right:

- Benaming: [ ]
- BuPo-adres: 0
- BuPo-vergrendeling:
- uur na aanbellen: 56 Sec.
- Max. spreektijd: 56 Sec.
- Timer deuropener: 4 Sec.
- Standaardinstellingen: [ ]
- 4 Sec. [ ]
- 3 knoppen [ ]

Additional settings on the far right:

- Deur openen enkel binnen ko
- Lichtschakelfunctie activeren
- Spreken enkel binnen korte tijds
- Programmeervergrendeling
- Deur enkel openen tijdens een ge

Opmerking: [ ]

Niveau lichtsensor: [ ]

UIT  AAN

**Knop 1** (Modal window):

- Functie-toewijzing 1: Deuroproep
- Serienummer 1: 1234
- Functie-toewijzing 2: Geen functie
- Benaming: [ ]

Buttons: OK, Annuleren





# Niko external units

## A solution for everyone

From a very simple bell push button to the combination of a high-quality external unit with an intercom or videophone. Niko offers you a wide range of compact, durable external audio and video units. Each one of them is easy to install and extend.

### Elegant and timeless

Niko access control provides for discretion and timeless elegance. You can choose from surface-mount, flush-mount or our new modular sets. You can mount the compact and tight-fitting external unit on the façade, in the entrance hall, or on a gate or fence without issue.

### Time, wind and weather-proof

Each external unit is made from 3 to 7mm-thick aluminium and is highly robust. Thanks to the minimal surface-mounted width of 16 to 20mm, you can easily install them anywhere. And whether you choose surface-mount or flush-mount: the high-quality anodised aluminium can withstand the wind, weather and time. Does your customer want not one, but two or more bell buttons? Our range can meet all their needs. The external audio and video units have a built-in light sensor. This means the name plate only lights up in the dark.

### Razor-sharp image and sound

Every Niko external video unit has a high-quality colour camera. Thanks to the infra-red lighting and the light-sensitive camera, you can always see your visitors in razor-sharp detail on your external video unit - even when it gets dark. And thanks to the maintenance-free push buttons, every external unit will last a lifetime.

### From standard to 100% custom

You can put together a modular external audio or video unit as a set or fully customised, or choose a fixed, compact external unit that you can then extend with several products. Whichever type you choose, you can programme any Niko external unit very easily, and extend it simply too. This might be with a code keyboard, card reader, external camera or an interface to connect the external unit to the telephone network. The configuration software will help you to programme and analyse the installation.

Residence? Block of flats? You can install a Niko external unit anywhere.

# Modular external units

## An answer to any question



The modular flush-mounting external units with code keyboard and LCD display make it easy to select a house number or resident's name. An elegant and flexible solution for construction projects of up to 256 housing units.

Our ready-made audio and video sets offer you a complete solution. But would you prefer to choose your type of external unit yourself? With or without a camera? With a code keyboard or a card reader to open the door? Of course. You can install our modular external units as a fixed audio or video set, or you can put them together as you or your customer wishes.

### Modular sets

The ready-made video set consists of a dome camera, audio, display and code lock module. The audio set has an audio, display and code lock module. The start screen of the display can be configured according to your customer's needs. The front plate is made from high-quality brushed stainless steel.



### Ease-of-use comes first

The dome camera module gives you excellent colour image quality day and night. The audio module makes it possible to activate a door call, have a conversation and open the door if desired. Thanks to the three function keys on the display module, you can easily work through the alphabetically sorted resident list. The visitor can also search by flat number using the code lock module.

### Easy to extend

You can put each module together and extend it as you choose. Thanks to the transponder reader module, you can open the door and add extra security with separate cards and keys. Also equip your external unit with an energy-efficient name plate that only lights up in the dark. The white LEDs for the house number module will stay on day and night. Thanks to the Niko configuration software, you can programme all the modules in a heartbeat.



# Modular series

## Function modules



### Audio module for modular external unit (ref. 10-360)\*

The audio module makes it possible to activate a door call, have a conversation and open the door if desired. The audio module is used in combination with the display module.



### Dome camera module for modular external unit (ref. 10-361)\*

The dome camera module guarantees you excellent colour image quality. The image sensor always has a high resolution and light sensitivity: during the day, at night, with strong contrast and with backlight. The camera has a 90° picture angle and can be adjusted both horizontally and vertically.



### Display module for modular external unit (ref. 10-362)\*

The display module shows you the alphabetically sorted resident list. With the three function keys, you can quickly and easily navigate through the list. The start screen of the display can be configured according to your customer's needs.



### Code lock module for modular external unit (ref. 10-363)\*

You can use the code lock module to open the door. You can programme up to twenty different access codes. When the user types in their code, they will see and hear a feedback signal.



### Transponder reader module for modular external unit (ref. 10-364)\*

You can also use the transponder reader module to open the door. Up to two thousand transponder keys (10-905-01) or cards (10-905-02) can be saved. The user will see and hear a feedback signal when the key or card is read.



### House number module for modular external unit (ref. 10-365)

The house number module is used to display the house number, the name of the residence and other information. Thanks to the backlight with white LEDs, the information is always clearly legible. During the day and at night.



### Blank module (ref. 10-366)

The blank module serves as a filler for the modular external unit. It can later be replaced by an extra function, for example the code lock or transponder reader module.

\* You can programme this module with the Niko configuration software

# Modular series

## Front plates and mounting kits



ref. 10-356



ref. 10-355



ref. 10-354



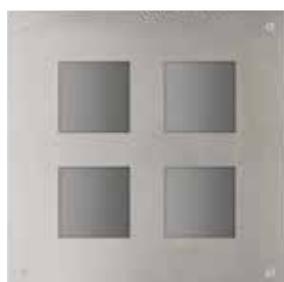
ref. 10-353



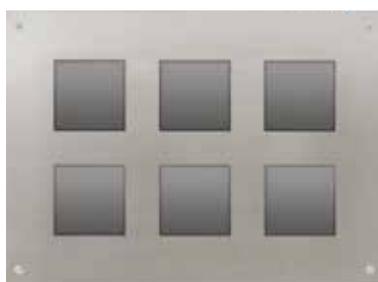
ref. 10-352



ref. 10-351



ref. 10-357



ref. 10-358

Front plate and flush-mounting boxes for modular external units, for 1 to 6 functions.



### Solutions that fit

With the letterbox solution, Niko is offering the ability to put together a calling panel to fit the desired design. This system consists of a module with a loudspeaker and microphone, the necessary expansion modules and a camera module for flush-mounting.



ref. 10-496



ref. 10-880-02



ref. 10-896



## Compact external unit for access control

From a very simple bell push button to the combination of a stylish external unit with an intercom or videophone. Niko offers innovative products at all times.

Moreover, the design of both the internal and external units contributes towards the overall allure of each project. The Niko access control external units are available in both surface-mount and flush-mount and with or without a camera.

*(full product overview see page 28)*

# Overview of products

## Compact external units for access control

### Video surface-mount



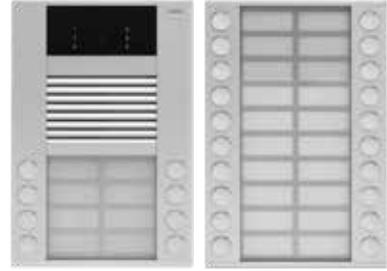
Surface-mounting external unit with 3 bell push buttons and colour camera

ref. 10-163



Surface-mounting external unit with 8 bell push buttons in two rows and colour camera

ref. 10-408



Surface-mounting external unit with 8 bell push buttons in two rows and colour camera combined with the expansion module with 20 bell push buttons

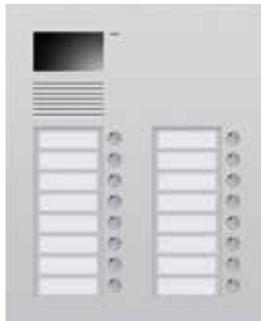
10-408 + 10-120-01

### Video flush-mount



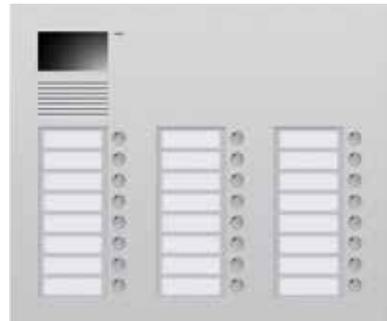
Flush-mounting external unit with 8 bell push buttons and colour camera

ref. 10-308



Flush-mounting external unit with 16 bell push buttons and colour camera

ref. 10-316



Flush-mounting external unit with 24 bell push buttons and colour camera

ref. 10-324

## Audio surface-mount



Surface-mounting external unit with 4 bell push buttons

**ref. 10-154**



Surface-mounting external unit with 8 bell push buttons

**ref. 10-108**



Surface-mounting external unit with 8 bell push buttons combined with the expansion module with 16 bell push buttons

**ref. 10-158 + 10-116-01**

## Audio flush-mount



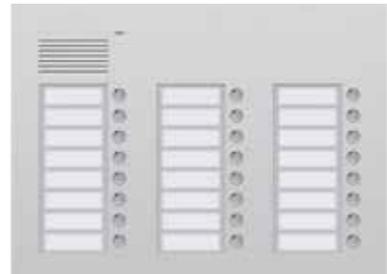
Flush-mounting external unit with 8 bell push buttons

**ref. 10-208**



Flush-mounting external unit with 16 bell push buttons

**ref. 10-216**



Flush-mounting external unit with 24 bell push buttons

**ref. 10-224**



Transponder reader

**ref. 10-905**



Code keyboard

**ref. 10-901**



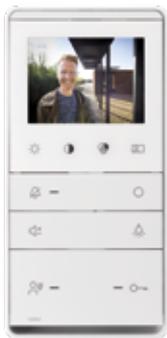
Doorbell 12 V

**ref. 05-540**

# Internal units

## Compact internal units for access control

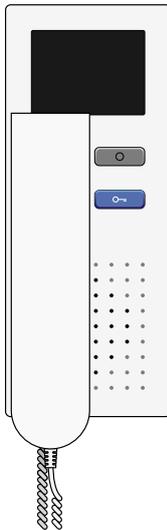
Niko's high-quality internal audio and video units are also safe and easy to use. They have a compact design and take up next to no room on your wall. The compact design allows you to mount them quickly and easily. Mounting on flush-mounting box? That's also possible.



### Comprehensive range of functions

Programming the internal units is very easy. Choose your own ringtone and set the volume higher or lower. The colour, brightness and contrast of the display can also be changed quickly and in detail. You can communicate fully hands-free with our internal units.

The audio and video internal units have a range of functions. You can assign a specific function to each key: opening the door, turning on the light, speaking, turning the ringtone on or off, calling from internal unit to external unit, forwarding a call to a different internal unit, and opening the door immediately when someone rings the doorbell.



### Convenience for resident and visitor

Our internal video units are controlled using clear, intuitive and touch-sensitive keys and a display menu that is always visible. You can place an extra bell in each apartment or residence. This allows the resident to hear someone ringing the doorbell anywhere in the residence.

### Programming: a piece of cake

Whichever type you choose, you can programme any Niko internal unit very easily, and extend it simply too. The configuration software will help you to programme and analyse the installation.

# Overview of products

## Internal units for access control

With Niko internal audio units, you are choosing high-quality door communication. The internal units are compact and take up next to no room on your wall. Two separate LEDs give a calling and busy signal. Our internal units can be mounted on a standard flush-mounting box. The number of keys depends on the type of internal unit.

### Internal video units



Compact deluxe internal video unit with colour screen and menu function.

ref. 10-571



Slim internal video unit for surface mounting, with colour screen and touch buttons

ref. 10-577



Compact intercom for surface-mounting

ref. 10-505



Internal video unit with colour screen and receiver.

ref. 10-575



# Flexible access control solution

Every project is different. Depending on the number of housing units and the needs of the residents and/or the manager, Niko can provide a custom-tailored solution.

## Various wiring options

both for installations with one central riser pipe and horizontal branching, and for multiple central riser pipes

## Connection

to e.g. telephone exchange, security cameras and image recording system is possible.

## Mixed installation of intercom and video intercom systems

so that an intercom can be replaced by a videophone later.

## Extension

is possible with both internal and external units, and with extra functions.

## Extensive functionality

including, for example: call diversion, intercom function between different internal units, automatic door opening function and doorbell suppression.

## Support with projects

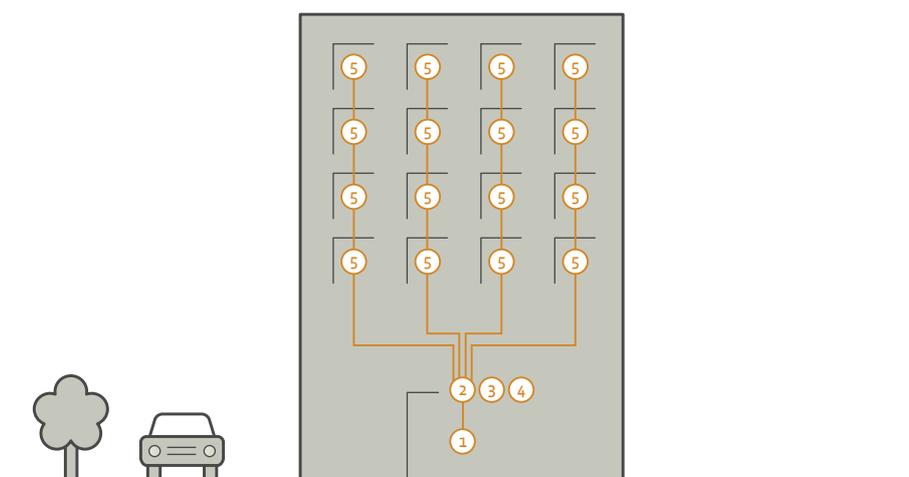
Every project stands the most chance of succeeding when you are sufficiently informed. Niko will be glad to help you develop large and complex projects step by step. For detailed pricing and the right product composition for a project quotation, Niko is always at your service. If you need extra advice, you can always come to us.

- technical advice and/or drawing up a quote to specification
- technical training and assistance with implementation
- after delivery, for technical assistance from Niko Customer Services, by telephone: BE +32 3 778 90 80

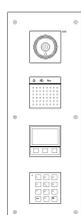
# Installation examples

## Installation 1

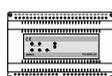
The example below illustrates a system with a video intercom in a block of flats with multiple riser pipes from the ground floor.



These products are needed for the installation:



- ① 1 x 10-386  
Modular external video unit for flush-mounting with 4 modules: dome camera, audio, display and code lock



- ④ 1 x 10-805-01  
DC voltage power supply 2.5 A



- ② 1 x 10-822-01  
Video splitter for DIN rail with 4 outputs



- ⑤ 16 x 10-577  
Slim internal video unit for surface mounting, with colour screen and touch buttons



- ③ 1 x 10-801  
Bus power supply

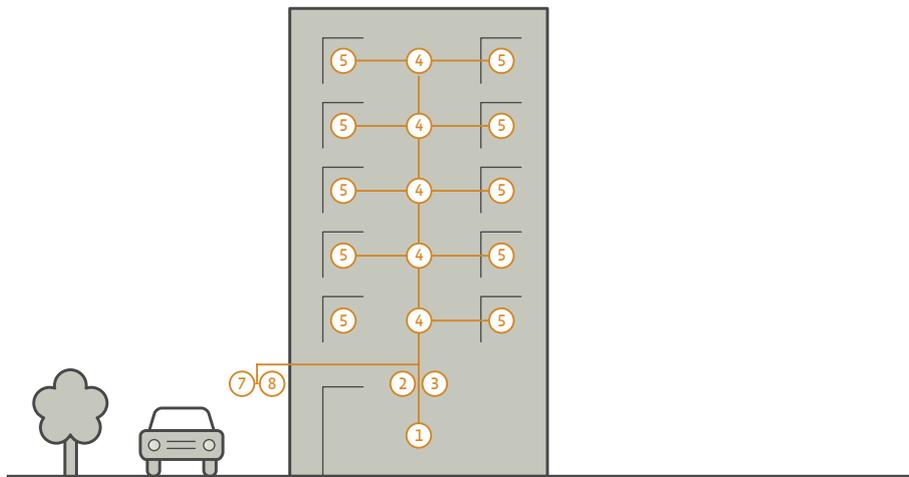


- ⑤ 16 x 05-540  
Doorbell 12 V~1 A

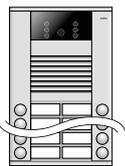
# Installation examples

## Installation 2

Below is a system with video intercom in a block of flats with 1 central riser pipe and distributors on each floor.



These products are needed for the installation:



- ① 1 x 10-410  
External video unit for surface-mounting with 10 bell push buttons



- ⑤ 10 x 10-577  
Slim internal video unit for surface mounting, with colour screen and touch buttons



- ② 1 x 10-801  
Bus power supply



- ⑤ 10 x 05-540  
Doorbell 12 V~1 A



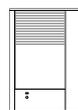
- ③ 1 x 10-805-01  
DC voltage power supply 2.5 A



- ⑦ 1 x 10-901  
Code keyboard for garage access



- ④ 5 x 10-821-01  
Flush-mounting video splitter with 2 outputs

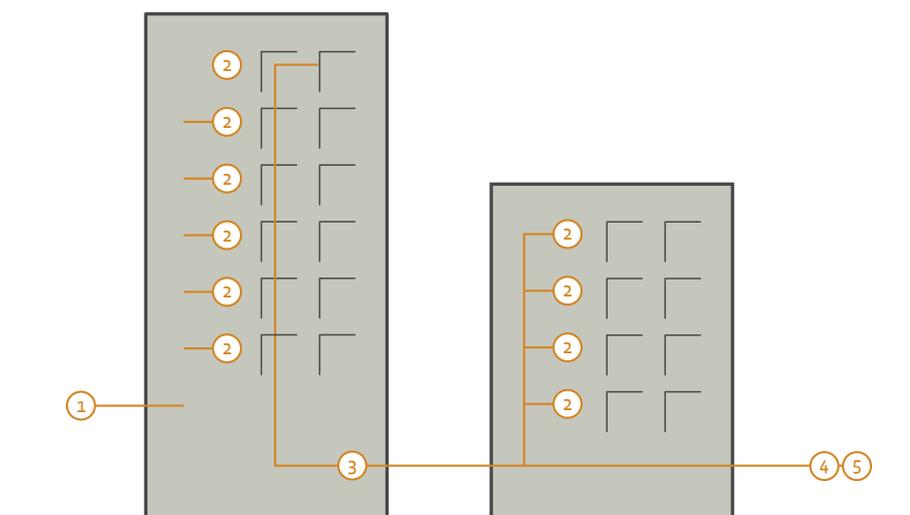


- ⑧ 1 x 10-905  
Card reader for garage access

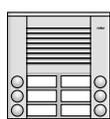
# Installation examples

## Installation 3

The drawing below illustrates an intercom system in a block of flats. An extra bell push button was provided in a number of flats (number 3 in the drawing).



These products are needed for the installation:



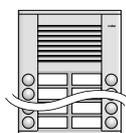
- ① 1 x 10-106  
External unit for surface-mounting with 6 bell push buttons



- ③ 1 x 10-806-01  
Bus power supply for large systems



- ② 10 x 10-505  
Compact intercom for surface-mounting, white



- ④ 1 x 10-110  
External unit for surface-mounting with 10 bell push buttons



- ② 10 x 05-540  
Doorbell 12 V~1 A

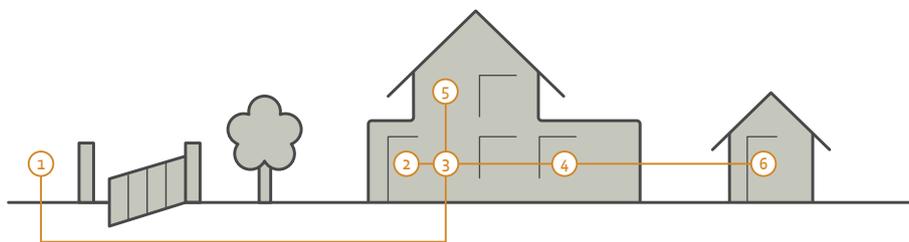


- ⑤ 1 x 10-901  
Code keyboard for garage access

# Installation examples

## Installation 4

The following describes a project whereby a residence is linked to a surgery. There is a free-standing storage area next to the residence. This involves a mixed installation with both intercoms and video intercoms. Intercom functionality between the internal units is also possible.



These products are needed for the installation:



- ① 1 x 10-162  
External video unit for surface-mounting with 2 bell push buttons



- ④ 1 x 10-577  
Slim internal video unit for surface mounting, with colour screen and touch buttons



- ② 1 x 10-152  
Compact external unit for surface-mounting with 2 bell push buttons.



- ⑤ 1 x 10-505  
Compact intercom for surface-mounting, white



- ③ 1 x 10-806-01  
Bus power supply for small video intercom system installation



- ⑥ 1 x 10-901  
Code keyboard for access to storage area

# Product overview

Product number	Description
10-104	Surface-mounting external unit 20mm with 4 bell push buttons in 2 rows
10-106	Surface-mounting external unit 20mm with 6 bell push buttons in 2 rows
10-108	Surface-mounting external unit 20mm with 8 bell push buttons in 2 rows
10-110	Surface-mounting external unit 20mm with 10 bell push buttons in 2 rows
10-112-01	Extension module with 12 bell push buttons in 2 rows for surface-mounting external video unit 20mm
10-114-01	Extension module with 14 bell push buttons in 2 rows for surface-mounting external video unit 20mm
10-116-01	Extension module with 16 bell push buttons in 2 rows for surface-mounting external video unit 20mm
10-118-01	Extension module with 18 bell push buttons in 2 rows for surface-mounting external video unit 20mm
10-120-01	Extension module with 20 bell push buttons in 2 rows for surface-mounting external video unit 20mm
10-151	Surface-mounting external unit 16mm with 1 bell push button
10-152	Surface-mounting external unit 16mm with 2 bell push buttons
10-153	Surface-mounting external unit 16mm with 3 bell push buttons
10-154	Surface-mounting external unit 16mm with 4 bell push buttons
10-156	Surface-mounting external unit 16mm with 6 bell push buttons
10-158	Surface-mounting external unit 16mm with 8 bell push buttons
10-161	Compact surface-mounting external unit with 1 bell push button and colour camera
10-162	Compact surface-mounting external unit with 2 bell push buttons and colour camera
10-163	Compact surface-mounting external unit with 3 bell push button and colour camera
10-201	Flush-mounting external unit with 1 bell push button
10-202	Flush-mounting external unit with 2 bell push buttons
10-203	Flush-mounting external unit with 3 bell push buttons
10-204	Flush-mounting external unit with 4 bell push buttons
10-206	Flush-mounting external unit with 6 bell push buttons
10-208	Flush-mounting external unit with 8 bell push buttons
10-210	Flush-mounting external unit with 10 bell push buttons
10-212	Flush-mounting external unit with 12 bell push buttons in 2 rows
10-214	Flush-mounting external unit with 14 bell push buttons in 2 rows
10-216	Flush-mounting external unit with 16 bell push buttons in 2 rows
10-218	Flush-mounting external unit with 18 bell push buttons in 2 rows
10-220	Flush-mounting external unit with 20 bell push buttons in 2 rows
10-224	Flush-mounting external unit with 24 bell push buttons in 3 rows
10-227	Flush-mounting external unit with 27 bell push buttons in 3 rows
10-230	Flush-mounting external unit with 30 bell push buttons in 3 rows
10-286	Modular external audio unit for flush-mounting, 3 modules (loudspeaker, LCD display and keypad)
10-301	Flush-mounting external unit with 1 bell push button and colour camera

Product number	Description
I0-302	Flush-mounting external unit with 2 bell push buttons and colour camera
I0-303	Flush-mounting external unit with 3 bell push buttons and colour camera
I0-304	Flush-mounting external unit with 4 bell push buttons and colour camera
I0-306	Flush-mounting external unit with 6 bell push buttons and colour camera
I0-308	Flush-mounting external unit with 8 bell push buttons and colour camera
I0-310	Flush-mounting external unit with 10 bell push buttons in 2 rows and colour camera
I0-312	Flush-mounting external unit with 12 bell push buttons in 2 rows and colour camera
I0-314	Flush-mounting external unit with 14 bell push buttons in 2 rows and colour camera
I0-316	Flush-mounting external unit with 16 bell push buttons in 2 rows and colour camera
I0-318	Flush-mounting external unit with 18 bell push buttons in 3 rows and colour camera
I0-321	Flush-mounting external unit with 21 bell push buttons in 3 rows and colour camera
I0-324	Flush-mounting external unit with 24 bell push buttons in 3 rows and colour camera
I0-351	Front plate + flush-mounting box for modular external unit (1 module)
I0-352	Front plate + flush-mounting box for modular external unit (2 modules)
I0-353	Front plate + flush-mounting box for modular external unit (3 modules)
I0-354	Front plate + flush-mounting box for modular external unit (4 modules)
I0-355	Front plate + flush-mounting box for modular external unit (5 modules)
I0-356	Front plate + flush-mounting box for modular external unit (6 modules)
I0-357	Front plate + flush-mounting box for modular external unit (2x2 modules)
I0-358	Front plate + flush-mounting box for modular external unit (2x3 modules)
I0-360	Audio module for modular external unit
I0-361	Dome camera module for modular external unit
I0-362	Display module for modular external unit
I0-363	Code lock module for modular external unit
I0-364	Transponder reader module for modular external unit
I0-365	House number/info module for modular external unit
I0-366	Blank module for modular external unit
I0-386	Modular external video unit for flush-mounting, 4 modules (loudspeaker, LCD-display, colour camera and keypad)
I0-404	Surface-mounting external unit 20mm with 4 bell push buttons in 2 rows and colour camera
I0-406	Surface-mounting external unit 20mm with 6 bell push buttons in 2 rows and colour camera
I0-408	Surface-mounting external unit 20mm with 8 bell push buttons in 2 rows and colour camera
I0-410	Surface-mounting external unit 20mm with 10 bell push buttons in 2 rows and colour camera
I0-412	Surface-mounting external unit 20mm with 12 bell push buttons in 2 rows and colour camera
I0-416	Surface-mounting external unit 20mm with 16 bell push buttons in 2 rows and colour camera
I0-496	Flush-mounting camera module with colour camera for flush-mounting in existing panels

Product number	Description
I0-498	Video transmitter for the connection of an external camera to the system
I0-505	Compact intercom for surface-mounting
I0-509	Table-top support for the surface-mounting internal unit
I0-512	Compact surface-mounting internal unit with expansion module
I0-519	Table-top support for the compact surface-mounting internal unit
I0-567	Table-top support for white internal video unit
I0-568	Table-top support for aluminium internal video unit
I0-571	Deluxe and compact, hands-free internal video unit with colour screen and menu function, surface-mounting
I0-575	Compact internal video unit with colour screen and receiver
I0-577	Slim internal video unit for surface mounting, with colour screen and touch buttons
I0-801	Power supply for installation with maximum 20 internal units and 2 external units (intercom or video intercom system)
I0-803	External unit connection, maximum 4 slave audio installations
I0-805-01	DC voltage power supply for extensive video intercom systems
I0-806-01	Power supply for video installation with 12 internal video units, 1 video splitter and 1 external video unit (video intercom system)
I0-821-01	Flush-mounting splitter for splitting the video signal between 2 lines
I0-822-01	Modular splitter for splitting the video signal between 4 lines
I0-824-01	Modular splitter for splitting the video signal between 2 lines
I0-826	Modular switcher for the control of the video signal from 4 external units or cameras to 1 output
I0-830	Universal external relay for DIN rail mounting
I0-831	Pre-programmed external relay for DIN rail mounting
I0-835	External relay to unlock a lock, for flush-mounting in an external unit
I0-836	External relay to unlock a lock, for flush-mounting in a flush-mounting box
I0-837	External potential-free relay, for flush-mounting in a flush-mounting box
I0-850	Telephone interface for connection of the access control system to the telephone network
I0-854	Niko Configuration Software
I0-855	PC interface for programming
I0-870	Service unit for programming
I0-876	Protection cap for protection of surface-mounting external units
I0-880-02	Door loudspeaker for flush mounting into a call tablet or letter box with 16 bell push buttons
I0-881-01	Extension for 32 buttons to a door loudspeaker
I0-896	Surround plate for flush-mounting camera module, aluminium
I0-901	Code keyboard for surface-mounting
I0-905	Transponder reader
I0-905-01	Transponder key
I0-905-02	Transponder card



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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