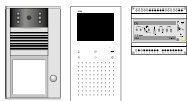






# Access control



### Video kit with 1 hands-free internal unit, surface-mounting

This video kit contains:

- one surface-mounting compact aluminium external video unit with one bell push button (10-161)
- one internal video unit for surface mounting with colour screen and touch control (10-570)
- one video power supply (10-806)

The external unit is equipped with an adjustable microphone and loudspeaker and text field for personalisation, only illuminated in the dark. The colour camera is equipped with infrared LEDs for a better visibility at night. The compact white internal unit offers outstanding image and sound quality and allows hands-free communication with the visitor. The internal unit is equipped with flat touch-sensitive buttons, which enhances its styling and ease-of-maintenance. The door lock can be directly connected to the power supply. The kit is pre-programmed so that all you have to do is connect it.

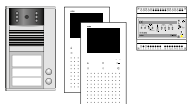
The kit can be expanded with:

- one internal video unit (10-570 or 10-571) and a modular splitter 2 (10-824-01) or three internal audio units (10-525 or 10-505)
- one external audio unit
- one DIN rail relay (10-831) for controlling an extra gate or enclosure
- one table-top support (10-567) for the internal video unit.

#### COMPLETE UNIT


**10-060**

Pieces: 1



### Video kit with 2 hands-free internal units, surface-mounting

This video kit contains:

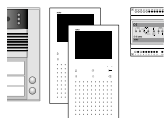
- one surface-mounting compact aluminium external video unit with two bell push buttons (10-162)
- two internal video units for surface mounting with colour screen and touch control (10-570)
- one video power supply (10-806)

The external unit is equipped with an adjustable microphone and loudspeaker and text field for personalisation, only illuminated in the dark. The colour camera is equipped with infrared LEDs for a better visibility at night. The compact white internal units offer outstanding image and sound quality and allow hands-free communication with the visitor. The internal units are equipped with flat touch-sensitive buttons, which enhances its styling and ease-of-maintenance. The door lock can be directly connected to the power supply. The kit is pre-programmed so that all you have to do is connect it.

The kit can be expanded with:

- two internal video units (10-570, 10-571 or 10-575) and a modular splitter 2 (10-824-01) or three internal audio units (10-525 or 10-505)
- one external audio unit
- one DIN rail relay (10-831) for controlling an extra gate or enclosure
- two table-top supports (10-567) for the internal video units

#### COMPLETE UNIT

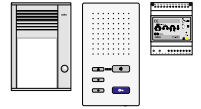

**10-070**

Pieces: 1

**Audio kit with 1 hands-free internal unit, surface-mounting**

This audio kit with two-wire technology consists of:

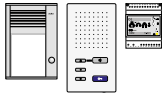
- one surface-mounting external audio unit with one bell push button (10-151)
- one compact internal audio unit for surface mounting (10-525)
- one power supply 20 (10-801)



The external unit is equipped with an adjustable microphone and loudspeaker and illuminated text field for personalisation. The ring volume can be adjusted and switched on and off on the internal unit. The communication with the external unit is hands-free. The door lock can be directly connected to the power supply. The kit is pre-programmed so that all you have to do is connect it.

The kit can be expanded with:

- one internal audio unit (10-525) or one compact intercom for surface mounting (10-505)
- one external audio unit
- one DIN rail relay (10-831) for controlling an extra gate or enclosure
- one table-top support (10-519) for the internal audio unit

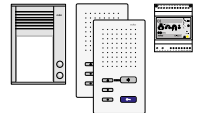
**COMPLETE UNIT****10-010**

Pieces: 1

**Audio kit with 2 hands-free internal units, surface-mounting**

This audio kit with two-wire technology consists of:

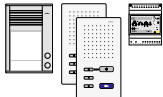
- one surface-mounting external audio unit with two bell push buttons (10-152)
- two compact internal audio units for surface mounting (10-525)
- a power supply 20 (10-801)



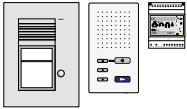
The external unit is equipped with an adjustable microphone and loudspeaker and illuminated text field for personalisation. The ring volume can be adjusted and switched on and off on the internal units. The communication with the external unit is hands-free. The door lock can be directly connected to the power supply. The kit is pre-programmed so that all you have to do is connect it.

The kit can be expanded with:

- two internal audio units (10-525) or two compact intercoms for surface mounting (10-505)
- one external audio unit
- one DIN rail relay (10-831) for controlling an extra gate or enclosure
- two table-top supports (10-519) for the internal audio units

**COMPLETE UNIT****10-050**

Pieces: 1



### Audio kit with 1 hands-free internal unit, flush-mounting

This audio kit with two-wire technology consists of:

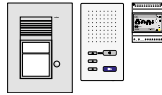
- one flush-mounting external audio unit with one bell push button (10-201)
- one compact internal audio unit for surface mounting (10-525)
- a power supply 20 (10-801)

The external unit is equipped with an adjustable microphone and loudspeaker and illuminated text field for personalisation. The ring volume can be adjusted and switched on and off on the internal unit. The communication with the external unit is hands-free. The door lock can be directly connected to the power supply. The kit is pre-programmed so that all you have to do is connect it.

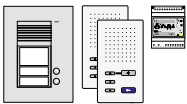
The kit can be expanded with:

- one internal audio unit (10-525) or one compact intercom for surface mounting (10-505)
- one external audio unit
- one DIN rail relay (10-831) for controlling an extra gate or enclosure
- one table-top support (10-519) for the internal audio unit

#### COMPLETE UNIT


**10-080**

Pieces: 1



### Audio kit with 2 hands-free internal units, flush-mounting

This audio kit with two-wire technology consists of:

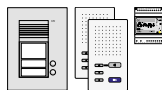
- one flush-mounting external audio unit with two bell push buttons (10-202)
- two compact internal audio units for surface mounting (10-525)
- one power supply 20 (10-801)

The external unit is equipped with an adjustable microphone and loudspeaker and illuminated text field for personalisation. The ring volume can be adjusted and switched on and off on the internal units. The communication with the external unit is hands-free. The door lock can be directly connected to the power supply. The kit is pre-programmed so that all you have to do is connect it.

The kit can be expanded with:

- two internal audio units (10-525) or two compact intercoms for surface mounting (10-505)
- one external audio unit
- one DIN rail relay (10-831) for controlling an extra gate or enclosure
- two table-top supports (10-519) for the internal audio units

#### COMPLETE UNIT

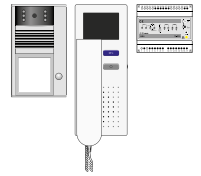

**10-090**

Pieces: 1

### Video kit with 1 hands-free internal unit, surface-mounting

This video kit contains:

- one surface-mounting compact aluminium external video unit with one bell push button (10-161)
- one internal video unit with colour screen and receiver for surface mounting (10-575)
- one video power supply (10-806)



The external unit is equipped with an adjustable microphone and loudspeaker and text field for personalisation, only illuminated in the dark. The colour camera is equipped with infrared LEDs for a better visibility at night. The compact white internal unit offers outstanding sound and image quality. The classic receiver is used to communicate with the visitor. The device with receiver has large, clearly visible control buttons for intuitive and simple control. The door lock can be directly connected to the power supply. The kit is pre-programmed so that all you have to do is connect it.

The kit can be expanded with:

- one internal video unit (10-570, 10-571 or 10-575) and a modular splitter 2 (10-824-01) or three internal audio units (10-525 or 10-505)
- one external audio unit
- one DIN rail relay (10-831) for controlling an extra gate or enclosure.

#### COMPLETE UNIT



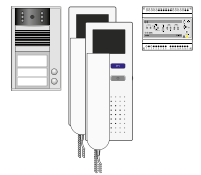
**10-065**

Pieces: 1

### Video kit with 2 hands-free internal units, surface-mounting

This video kit contains:

- one surface-mounting compact aluminium external video unit with two bell push buttons (10-162)
- two internal video units with colour screen and receiver for surface mounting (10-575)
- one video power supply (10-806).



The external unit is equipped with an adjustable microphone and loudspeaker and text field for personalisation, only illuminated in the dark. The colour camera is equipped with infrared LEDs for a better visibility at night. The compact white internal units offer outstanding sound and image quality. The classic receiver is used to communicate with the visitor. The devices with receiver have large, clearly visible control buttons for intuitive and simple control. The door lock can be directly connected to the power supply. The kit is pre-programmed so that all you have to do is connect it.

The kit can be expanded with:

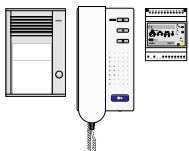
- two internal video units (10-570, 10-571 or 10-575) and a modular splitter 2 (10-824-01) OR three internal audio units (10-525 or 10-505),
- one external audio unit,
- one DIN rail relay (10-831) for controlling an extra gate or enclosure,

#### COMPLETE UNIT



**10-075**

Pieces: 1



### Audio kit with 1 internal unit with receiver, surface-mounting

This audio kit with two-wire technology consists of:

- one surface-mounting external audio unit with one bell push button (10-151)
- one compact intercom for surface-mounting (10-505)
- one power supply 20 (10-801)

The external unit is equipped with an adjustable microphone and loudspeaker and illuminated text field for personalisation. The ring volume can be adjusted and switched on and off on the internal unit. The classic receiver is used to communicate with the visitor. The door lock can be directly connected to the power supply. The kit is pre-programmed so that all you have to do is connect it.

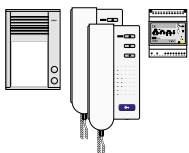
The kit can be expanded with:

- one internal audio unit (10-525) or one compact intercom for surface mounting (10-505)
- one external audio unit
- one DIN rail relay (10-831) for controlling an extra gate or enclosure
- one table-top support (10-509) for the intercom

#### COMPLETE UNIT


**10-015**

Pieces: 1



### Audio kit with 2 internal units with receiver, surface-mounting

This audio kit with two-wire technology consists of:

- one surface-mounting external audio unit with two bell push buttons (10-152)
- two compact intercoms for surface-mounting (10-505)
- a power supply 20 (10-801)

The external unit is equipped with an adjustable microphone and loudspeaker and illuminated text field for personalisation. The ring volume can be adjusted and switched on and off on the internal units. The classic receiver is used to communicate with the visitor. The door lock can be directly connected to the power supply. The kit is pre-programmed so that all you have to do is connect it.

The kit can be expanded with:

- two internal audio units (10-525) or two compact intercoms for surface mounting (10-505)
- one external audio unit
- one DIN rail relay (10-831) for controlling an extra gate or enclosure
- two table-top supports (10-509) for the intercoms

#### COMPLETE UNIT

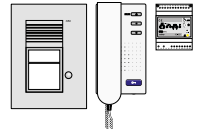

**10-055**

Pieces: 1

**Audio kit with 1 internal unit with receiver, flush-mounting**

This audio kit with two-wire technology consists of:

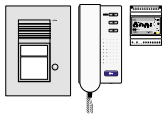
- one flush-mounting external audio unit with one bell push button (10-201)
- one compact intercom for surface-mounting (10-505)
- one power supply 20 (10-801)



The external unit is equipped with an adjustable microphone and loudspeaker and illuminated text field for personalisation. The ring volume can be adjusted and switched on and off on the internal unit. The classic receiver is used to communicate with the visitor. The door lock can be directly connected to the power supply. The kit is pre-programmed so that all you have to do is connect it.

The kit can be expanded with:

- one internal audio unit (10-525) or one compact intercom for surface mounting (10-505)
- one external audio unit
- one DIN rail relay (10-831) for controlling an extra gate or enclosure
- one table-top support (10-509) for the intercom

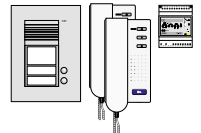
**COMPLETE UNIT****10-085**

Pieces: 1

**Audio kit with 2 internal units with receiver, flush-mounting**

This audio kit with two-wire technology consists of:

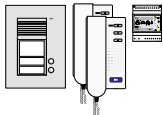
- one flush-mounting external audio unit with two bell push buttons (10-202)
- two compact intercoms for surface-mounting (10-505)
- a power supply 20 (10-801)



The external unit is equipped with an adjustable microphone and loudspeaker and illuminated text field for personalisation. The ring volume can be adjusted and switched on and off on the internal units. The classic receiver is used to communicate with the visitor. The door lock can be directly connected to the power supply. The kit is pre-programmed so that all you have to do is connect it.

The kit can be expanded with:

- two internal audio units (10-525) or two compact intercoms for surface mounting (10-505)
- one external audio unit
- 1 DIN rail relay (10-831) for controlling an extra gate or enclosure
- two table-top supports (10-509) for the intercoms

**COMPLETE UNIT****10-095**

Pieces: 1





### Compact external video unit for surface mounting with one column of bell push buttons and colour camera, 16 mm

The solid unit for surface mounting, which is completely finished in up to 4 mm thick aluminium, is equipped with a built-in colour camera, an adjustable microphone and loudspeaker and a text field for personalisation that will only be illuminated in the dark. The colour camera is equipped with infrared LEDs for a better visibility at night. The maintenance-free, gold-plated push-button contacts guarantee a long lifespan.

- surface-mounting height: 16 mm
- ambient temperature: -20 - 50 °C
- electronic parts protected against water and corrosion
- CE marking
- memory for two serial numbers per push button
- confirmation tone for the visitor
- configurable with the Niko configuration software for access control

#### Colour camera specifications:

- type: Sony Super HAD CCD-sensor
- resolution: 420 horizontal TV lines
- focal length: 3.7 mm (F=2)
- light sensitivity: 0.2 lux
- video output: 1 Vpp, symmetrical
- diagonal coverage angle: 90°

#### COMPLETE UNIT

<b>10-161</b>	Pieces: 1	With 1 bell push button, 175 x 104 x 16 19 mm (HxWxD)
<b>10-162</b>	Pieces: 1	With 2 bell push buttons, 175 x 104 x 16 19 mm (HxWxD)
<b>10-163</b>	Pieces: 1	With 3 bell push buttons, 175 x 104 x 16 19 mm (HxWxD)



### External video unit for surface mounting with two columns of bell push buttons and colour camera, 20 mm

The solid unit for surface mounting, which is completely finished in up to 7 mm thick aluminium, is equipped with a built-in colour camera, an adjustable microphone and loudspeaker and text fields for personalisation provided with vandal proof plexiglas (5 mm thick). The colour camera is equipped with infrared LEDs for a better visibility at night. The maintenance-free, gold-plated push-button contacts guarantee a long lifespan. The unit for surface mounting has two columns of bell push buttons, and is therefore suitable for large housing complexes. This device is available with maximum 88 bell push buttons by means of the extension modules. The extension module has the same finish as the external unit. Since the module is opened at the bottom, it has to be mounted sidelong on the external unit.

- surface-mounting height: 20 mm
- electronic parts protected against water and corrosion
- CE marking
- memory for two serial numbers per push button
- confirmation tone for the visitor
- removable EEPROM memory
- configurable with the Niko configuration software for access control

#### Colour camera specifications:

- type: CMOS sensor
- resolution: 380 horizontal TV lines
- focal length: 2.0 mm (F=2.5)
- light sensitivity: 0 lux with IR, 1 lux without IR
- video output: 1 Vpp, symmetrical
- diagonal coverage angle: 130°

#### COMPLETE UNIT

<b>10-404</b>	Pieces: 1	With 4 bell push buttons, 166 x 135 x 20 mm (HxWxD)
<b>10-406</b>	Pieces: 1	With 6 bell push buttons, 185 x 135 x 20 mm (HxWxD)
<b>10-408</b>	Pieces: 1	With 8 bell push buttons, 204 x 135 x 20 mm (HxWxD)
<b>10-410</b>	Pieces: 1	With 10 bell push buttons, 223 x 135 x 20 mm (HxWxD)
<b>10-412</b>	Pieces: 1	With 12 bell push buttons, 242 x 135 x 20 mm (HxWxD)
<b>10-416</b>	Pieces: 1	With 16 bell push buttons, 280 x 135 x 20 mm (HxWxD)

#### EXTENSION MODULE

<b>10-112-01</b>	Pieces: 1	With 12 bell push buttons, 128 x 135 x 20 mm (HxWxD)
<b>10-114-01</b>	Pieces: 1	With 14 bell push buttons, 147 x 135 x 20 mm (HxWxD)
<b>10-116-01</b>	Pieces: 1	With 16 bell push buttons, 166 x 135 x 20 mm (HxWxD)
<b>10-118-01</b>	Pieces: 1	With 18 bell push buttons, 185 x 135 x 20 mm (HxWxD)
<b>10-120-01</b>	Pieces: 1	With 20 bell push buttons, 204 x 135 x 20 mm (HxWxD)

#### ACCESSORIES



<b>10-876</b>	Pieces: 1	Protection cap, 83 x 139 x 60 mm (HxWxD)
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### External video unit for flush mounting with one, two or three columns of bell push buttons and colour camera

The ultraflat unit for flush mounting, which is completely finished with an aluminium front plate (3 mm thick), is equipped with a built-in colour camera, an adjustable microphone and loudspeaker and text fields for personalisation provided with vandal-proof plexiglas (5 mm thick). The maintenance-free, gold-plated push-button contacts guarantee a long lifespan. The flush-mounting box is supplied with this device (see technical information for the dimensions of the flush-mounting box).



- electronic parts protected against water and corrosion
  - CE marking
  - memory for two serial numbers per push button
  - confirmation tone for the visitor
  - removable EEPROM memory
  - configurable with the Niko configuration software for access control
- Colour camera specifications:
- type: Sony Super HAD CCD sensor
  - resolution: 600 horizontal TV lines
  - aperture: F2
  - focal length: 3.6 mm
  - light sensitivity: 0.2 lux
  - video output: 1 Vpp, symmetrical
  - diagonal capture angle: 90°

#### COMPLETE UNIT

<b>10-301</b>	Pieces: 1	With 1 bell push button, 252 x 150 x 3 mm (HxWxD)
<b>10-302</b>	Pieces: 1	With 2 bell push buttons, 252 x 150 x 3 mm (HxWxD)
<b>10-303</b>	Pieces: 1	With 3 bell push buttons, 252 x 150 x 3 mm (HxWxD)
<b>10-304</b>	Pieces: 1	With 4 bell push buttons, 252 x 150 x 3 mm (HxWxD)
<b>10-306</b>	Pieces: 1	With 6 bell push buttons, 296 x 150 x 3 mm (HxWxD)
<b>10-308</b>	Pieces: 1	With 8 bell push buttons, 340 x 150 x 3 mm (HxWxD)
<b>10-310</b>	Pieces: 1	With 10 bell push buttons, 274 x 274 x 3 mm (HxWxD)
<b>10-312</b>	Pieces: 1	With 12 bell push buttons, 296 x 274 x 3 mm (HxWxD)
<b>10-314</b>	Pieces: 1	With 14 bell push buttons, 318 x 274 x 3 mm (HxWxD)
<b>10-316</b>	Pieces: 1	With 16 bell push buttons, 340 x 274 x 3 mm (HxWxD)
<b>10-318</b>	Pieces: 1	With 18 bell push buttons, 296 x 398 x 3 mm (HxWxD)
<b>10-321</b>	Pieces: 1	With 21 bell push buttons, 318 x 398 x 3 mm (HxWxD)
<b>10-324</b>	Pieces: 1	With 24 bell push buttons, 340 x 398 x 3 mm (HxWxD)

### Transponder reader for transponder keys or cards

The transponder reader is used as a door opening function, either stand-alone or as part of an access control installation. Up to 250 transponder keys (10-905-01) or cards (10-905-02) can be programmed. When reading the key or card, you receive visual and acoustic feedback. The programming of the system is password-protected. The transponder is also protected against sabotage of the device. The module is made of anodised aluminium.



NEW

The transponder reader module includes an IR remote control.

- dimensions: 153 x 104 x 16 mm (HxWxD)
- finishing colour: anodised aluminium
- mounting: surface-mounting
- ambient temperature: -25 °C to +55 °C
- protection degree: IP44
- vandal proof: yes
- power supply voltage: +24 V  $\pm$  8% (18-28 V in stand-alone)
- input current (in standby): 0 mA, I(P) = 17 mA
- max input current: I(Pmax) = 40 mA
- wire technique: 2- or 3-wired
- marking: CE
- up to 250 transponder keys or cards can be programmed
- MIFARE Classic® 1K / 4K technology
- door opening function with potential-free relay contact
- visual and acoustic feedback after code is entered
- LEDs for status indication
- password protection against unauthorized configuration
- sabotage contact
- configurable with Niko configuration software for access control

#### COMPLETE DEVICE

<b>10-905</b>	Pieces: 1	Transponder reader for transponder keys or cards
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#### ACCESSORIES



<b>10-905-01</b>	Pieces: 1	Transponder key (to be ordered separately for each project)
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#### ACCESSORIES



<b>10-905-02</b>	Pieces: 1	Transponder card (to be ordered separately for each project)
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### Code keyboard

The code keyboard for surface mounting, which is completely made of aluminium (3 mm thick), is suitable for both indoor and outdoor applications. Up to ten different user codes can be taught to the code keyboard. Different functions can be assigned to every user code, such as a door opener function or an external relay contact. The code keyboard can be integrated in the Niko access control installation, but it can also be used as a stand-alone appliance. In combination with power supply 20 (10-801), the code keyboard can directly control a door lock. The code keyboard is illuminated by means of five blue LEDs.

- dimensions: 113 x 88 x 12 mm (HxWxD)
- power consumption:  $I(a) = 0.4 \text{ mA} - I(P_{\max}) = 59 \text{ mA}$
- stand-alone use: 24 Vdc, 60 mA
- stand-alone output: 24 Vdc (for controlling a 24 Vdc relay, such as a relay for external audio units (10-835))
- CE marking

#### COMPLETE UNIT

**10-901** Pieces: 1 Code keyboard



NEW

### Modular external video unit for flush-mounting (full set - 4 modules)

This modular flush-mounted external unit offers an elegant and flexible solution for your projects (up to 256 housing units). The start screen of the display can be configured individually (e.g. name of the residence). The front plate is made from high-quality brushed stainless steel. This complete video set is equipped with a dome camera, audio, display and code lock module.

The dome camera module ensures excellent colour image quality, both during the day and at night. It makes it possible to activate a door call, have a conversation and open the door. Thanks to the 3 function keys on the display module, you can easily navigate through the alphabetically sorted resident list. You can also use the code lock module to navigate via the flat number.

Do you require more information and/or help with your project? Feel free to contact Niko.

Specifications of the flush-mounted unit:

- front plate dimensions: 440 x 200 x 3 mm (HxWxD)
- flush-mounting box dimensions: 420 x 180 x 50 mm (HxWxD)
- configurable with the Niko configuration software for access control

Included function modules:

- dome camera module
- speech module
- LCD display module with 3 buttons
- keypad module

#### COMPLETE DEVICE

**10-386** Pieces: 1 Modular external video unit for flush-mounting with 4 modules



NEW

### Front plate and flush-mounting box for modular external unit

This modular flush-mounted series offers an elegant and flexible solution for your projects (up to 256 housing units). The front plate is constructed from high-quality, 3 mm thick brushed stainless steel, and is supplied with the accompanying metal flush-mounting box.

- available in 8 different dimensions
- can be combined with separate function modules

#### COMPLETE DEVICE

<b>10-351</b>	Pieces: 1	With 1x1 module, 200 x 200 x 3 mm (HxWxD)
<b>10-352</b>	Pieces: 1	With 1x2 modules, 320 x 200 x 3 mm (HxWxD)
<b>10-353</b>	Pieces: 1	With 1x3 module, 440 x 200 x 3 mm (HxWxD)
<b>10-354</b>	Pieces: 1	With 1x4 modules, 560 x 200 x 3 mm (HxWxD)
<b>10-355</b>	Pieces: 1	With 1x5 module, 680 x 200 x 3 mm (HxWxD)
<b>10-356</b>	Pieces: 1	With 1x6 modules, 800 x 200 x 3 mm (HxWxD)
<b>10-357</b>	Pieces: 1	With 2x2 modules, 320 x 320 x 3 mm (HxWxD)
<b>10-358</b>	Pieces: 1	With 2x3 module, 440 x 320 x 3 mm (HxWxD)

### Audio module for modular external unit

The audio module makes it possible to activate a door call, have a conversation and open the door. The module is made of black anodised aluminium.

The audio module is usually used in combination with the display module (10-362).

- dimensions: 105 x 105 x 27 mm (HxWxD)
- finishing colour: black anodised aluminium
- ambient temperature: -25 °C to +55 °C
- protection degree: IP44
- vandal proof: yes
- input current in standby:  $I(a) = 0.2 \text{ mA}$ ,  $I(P) = 4 \text{ mA}$
- max input current:  $I(P_{\text{max}}) = 13.5 \text{ mA}$
- wire technique: 3-wired
- marking: CE
- hands-free conversation (standard)
- full duplex conversation possible for internal units with receiver
- visual feedback for visitor (colour pictographs)
- error detection and indication
- integrated twilight switch
- extra clamps: yes (e.g. for connecting door opener)
- removable EEPROM memory
- configurable with Niko Configuration SW for access control



NEW

#### COMPLETE DEVICE

**10-360** Pieces: 1 Audio module for modular external unit

### Dome camera module for modular external unit

The dome camera module ensures excellent colour image quality. The image sensor has a high resolution and high light sensitivity, both at day/night as well as with strong contrast or backlight. The camera has a 90° picture angle and can be adjusted both horizontally and vertically. The module is made of black anodised aluminium with an acrylic glass dome.

The dome camera module includes an integrated two-wire video transmitter (10-498).

- dimensions: 125 x 105 x 42 mm (HxWxD)
- finishing colour: black anodised aluminium and acrylic glass
- ambient temperature: -10 °C to +50 °C
- protection degree: IP44
- vandal proof: yes
- input current in standby:  $I(a) = 0 \text{ mA}$ ,  $I(P) = 60 \text{ mA}$
- max input current:  $I(P_{\text{max}}) = 60 \text{ mA}$
- wire technique: 6-wired
- marking: CE
- camera with BLC, AGC and AWB
- image sensor: 0.8 cm (1/3") DPS
- resolution: 700 horizontal TV lines
- aperture: F1.2
- focal length: 3.6 mm
- light sensitivity: 0.002 lux
- picture angle: 90° diagonally (adjustable 60° horizontally/vertically)
- configurable with the Niko configuration software for access control



NEW

#### COMPLETE DEVICE

**10-361** Pieces: 1 Dome camera module for modular external unit

### Display module for modular external unit

The display module provides an alphabetic overview of the resident list. With the 3 function keys, you can quickly and easily navigate through the list. The start screen of the display can be configured individually (e.g. name of the residence). The module is made of black anodised aluminium with a display of high-quality plastic.

The display module is usually used in combination with the audio module (10-360) and/or with the code lock module (10-363).

- dimensions: 105 x 105 x 22 mm (HxWxD)
- finishing colour: black anodised aluminium and plastic
- ambient temperature: -25 °C to +55 °C
- protection degree: IP44
- vandal proof: yes
- input current in standby:  $I(a) = 0.11 \text{ mA}$ ,  $I(P) = 7.8 \text{ mA}$
- max input current:  $I(P_{\text{max}}) = 86 \text{ mA}$
- wire technique: 3-wired
- marking: CE
- fully graphic, monochrome display of 160 x 104 pixels
- white backlight
- data memory: up to 256 residents
- start screen individually programmable
- direct dialling possible (in combination with 10-850)
- visual error indication
- removable EEPROM memory
- configurable with Niko configuration software for access control



NEW

#### COMPLETE DEVICE

**10-362** Pieces: 1 Display module for modular external unit



NEW

### Code lock module for modular external unit

The code lock module is used as a door opening function. Up to 20 access codes can be programmed. Upon entering the access code, you receive visual and acoustic feedback. The module is made of black anodised aluminium.

The code lock module can be used as a stand-alone solution or in combination with the audio module (10-360) and/or the display module (10-362).

- dimensions: 105 x 105 x 43 mm (HxWxD)
- finishing colour: black anodised aluminium
- ambient temperature: -25 °C to +55 °C
- protection degree: IP44
- vandal proof: yes
- input current in standby:  $I(a) = 0.2 \text{ mA}$ ,  $I(P) = 4 \text{ mA}$
- max input current:  $I(P_{\text{max}}) = 17 \text{ mA}$
- wire technique: 6-wired
- marking: CE
- up to 20 access codes can be programmed
- door opening function with potential-free relay contact
- visual and acoustic feedback after code is entered
- LEDs for status indication
- configurable with Niko configuration software for access control

#### COMPLETE DEVICE

**10-363** Pieces: 1 Code lock module for modular external unit



NEW

### Transponder reader module for modular external unit

The transponder reader module is used as a door opening function. Up to 250 transponder keys (10-905-01) or cards (10-905-02) can be programmed. When reading the key or card, you receive visual and acoustic feedback. The programming of the system is password-protected. The module is made of black plastic.

The transponder reader module includes an IR remote control.

- dimensions: 105 x 105 x 26 mm (HxWxD)
- finishing colour: black plastic
- ambient temperature: -10 °C to +50 °C
- protection degree: IP44
- vandal proof: yes
- input current in standby:  $I(a) = 0.1 \text{ mA}$ ,  $I(P) = 11 \text{ mA}$
- max input current:  $I(P_{\text{max}}) = 25 \text{ mA}$
- power supply voltage: +24 V  $\pm 8\%$  (18-28 V in stand-alone)
- wire technique: 2- or 3-wired
- marking: CE
- up to 250 transponder keys or cards can be programmed
- MIFARE Classic® 1K / 4K technology
- door opening function with potential-free relay contact
- visual and acoustic feedback after code is entered
- LEDs for status indication
- password protection against unauthorized configuration
- configurable with Niko configuration software for access control

#### COMPLETE UNIT

**10-364** Pieces: 1 Transponder reader module for modular external unit

#### ACCESSORIES



**10-905-01** Pieces: 1 Transponder key (to be ordered separately for each project)

#### ACCESSORIES



**10-905-02** Pieces: 1 Transponder card (to be ordered separately for each project)



NEW

### House number/info module for modular external unit

The house number/info 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 clearly legible, both during the day and at night. The module is made of black plastic with transparent acrylic glass.

- dimensions: 105 x 105 x 26 mm (HxWxD)
- finishing colour: black plastic with acrylic glass
- backlight with white LEDs
- ambient temperature: -25 °C to +55 °C
- protection degree: IP44
- vandal proof: yes
- input current in standby:  $I(a) = 0.2 \text{ mA}$ ,  $I(P) = 4 \text{ mA}$
- wire technique: 3-wired
- marking: CE

#### COMPLETE DEVICE

**10-365** Pieces: 1 House number/info module for modular external unit

### Blank module for modular external unit

The blank module serves as a filler for the modular external unit. It can later be replaced by an extra function (e.g. code lock or transponder reader module). The module is made of black plastic with transparent acrylic glass.

- dimensions: 105 x 105 x 43 mm (HxWxD)
- marking: CE
- finishing colour: black plastic with acrylic glass



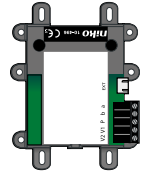
#### COMPLETE DEVICE

**10-366** Pieces: 1 Blank module for modular external unit

### Colour camera module for flush mounting

The colour camera module is suitable for flush mounting into existing panels or panels of own design for door intercom or video intercom systems. This module can be used in combination with the door loudspeaker for flush mounting (10-880-01) and the extension module (10-881-01).

- dimensions: 80 x 109 x 35 mm (HxWxD)
- ambient temperature: -20 - 50 °C
- CE marking
- type: Sony Super HAD CCD sensor
- resolution: 420 horizontal TV lines
- aperture: F2
- focal length: 3.6 mm
- light sensitivity: 0.1 lux
- picture angle: 70° horizontal, 50° vertical
- configurable with Niko Configuration SW for access control



Colour camera specifications:

#### COMPLETE UNIT

**10-496** Pieces: 1 Colour camera module for flush mounting

#### ACCESSORIES



**10-896** Pieces: 1 Flush surround plate, aluminium

### Outdoor surface-mounting camera with video transmitter

The colour camera with an aluminium housing and an infrared-sensitive sensor can be rotated both horizontally and vertically and is suitable for variable weather conditions. The device is equipped with a varifocal lens (adjustable during installation) and infrared LEDs for a better visibility at night.



The supplied video transmitter (10-498) is connected to the camera through two wires (power supply) and a coaxial cable. The video transmitter is supplied with power from the bus and converts the camera signal to a signal that can be transmitted over a twisted pair cable.

Colour camera specifications:

- type: interline transfer CCD sensor
- dimensions: 68 x 76 x 735 mm (HxWxD)
- ambient temperature: -20 - 55 °C
- PAL resolution: 550 horizontal TV lines
- aperture: F1.2
- focal length: 3.3 - 12 mm
- light sensitivity: 0.3 lux (colour rendering) and 0.1 lux (black and white rendering)
- back light compensation
- input voltage: 12 Vdc

- video output: 1 Vpp, FBAS, at 75 Ω
- température ambiante: -20 - 55 °C
- CE marking

Video transmitter specifications:

- dimensions: 51 x 51 x 22 mm (HxWxD)
- input impedance: 75 Ω
- output impedance: 100 Ω, symmetrical
- video signal: -10 - +4 dB
- camera power supply: 12 V, max. 250 mA
- CE marking

#### COMPLETE UNIT

**10-490-02** Pieces: 1 Outdoor surface-mounting camera with video transmitter



NEW

### Outdoor surface-mounting dome camera with video transmitter

The dome camera module ensures excellent colour image quality. The image sensor has a high resolution and high light sensitivity, both at day/night as well as with strong contrast or backlight. The camera has a varifocal lens with a picture angle ranging from 30° to 65° (for a distance up to 20 m) and can be adjusted (during the installation). The module is made of white metal with an acrylic glass dome.

The included video transmitter (10-498) is connected to the camera via two wires (power supply) and a coaxial cable. The video transmitter is supplied via the bus and transforms the camera signal into a signal that is suitable for transmission over a twisted pair in the wiring.

- dimensions: Ø 140 mm x 100 mm
  - finishing colour: white metal
  - ambient temperature: -20 °C to +50 °C
  - protection degree: I66
  - input current:  $I(a) = 0.0 \text{ mA}$ ,  $I(P_{\text{max}}) = 57/157 \text{ mA}$  (with/without IR lighting)
  - wire technique: 3-wired
  - marking: CE
- Specifications of the colour camera:
- type: Sony Super-HAD II CCD
  - PAL resolution: 600 horizontal TV lines
  - IR lighting: with 21 LEDs
  - functionality day/night
  - aperture: F1.2
  - focal length: 4...9 mm (variofocus) / 1:1.6-2.4
  - light sensitivity: 0.1 lux (F1.4)
- Specifications of the video transmitter:
- dimensions: 51 x 51 x 22 mm (HxWxD)
  - input impedance: 75 Ω
  - output impedance: 100 Ω, symmetrical
  - video signal:  $-10 \pm 4 \text{ dB}$
  - camera power supply: 12 V, max 250 mA

#### COMPLETE UNIT

**10-491-01** Pieces: 1 Outdoor surface-mounting dome camera with video transmitter



NEW

### Compact programmable internal video unit with colour screen and menu function, for surface-mounting

The communication with the visitor via this compact surface-mounted unit is hands-free. The device has clear, intuitive comfort keys:

- door opener key/key to activate the light switch function
- speech key
- key to activate and deactivate the ring signal
- key to display camera images
- control function for the DIN rail relay (10-831)
- button to view the menu

A menu on the screen provides access to standard functions, including the following:

- internal call
- parallel call
- ring-and-come-in function
- call diversion
- select ringtone for floor call, door call and internal call
- ring volume and image adjustment
- dimensions: 186 x 101 x 20 mm (HxWxD)
- finishing colour: white (polycarbonate + ABS)
- mounting: surface-mounting
- mounting on flush-mounting box possible
- ambient temperature: -5° to +40 °C
- protection degree: IP30
- input current (in standby): 0.04 mA,  $I(P) = 13.5 \text{ mA}$
- max input current:  $I(P_{\text{max}}) = 130 \text{ mA}$
- wire technique: 6-wired
- marking: CE
- TFT screen with 8.9 cm (3.5") diagonal screen size
- possibility of activating simplex conversation mode
- block listen in and automatic call termination
- possibility to connect door opener and extra camera
- menu languages: Dutch, French, German, English, Slovak
- configurable with the Niko configuration software for access control

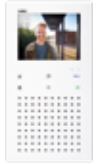
#### COMPLETE DEVICE

**10-576** Pieces: 1 Compact, programmable internal video unit for surface-mounting, with colour screen and comfort keys

### Compact internal video unit for surface mounting with colour display

The communication with the visitor through this compact unit for surface mounting is hands-free. The device has six flat touch-sensitive keys:

- door opener key/key for activating the light switch function
- conversation key
- key for activating and deactivating the ring signal
- key for calling up camera images
- control function for the DIN rail relay (10-831)
- key for calling up the menu



A menu on the screen gives access to standard functions, such as:

- internal call
- parallel call
- ring-and-come-in function
- call forwarding
- selecting the ring tone for a floor call, a door call and an internal call
- adjusting the ring volume and image
- dimensions: 180 x 95 x 20 mm (HxWxD)
- material: white plastic
- CE marking
- two indication LEDs for an engaged-line signal and a call signal
- menu languages: Dutch, French, German, English and Slovak
- mounting on flush-mounting box possible
- configurable with the Niko configuration software for access control
- TFT colour display: 70 x 52 mm

#### COMPLETE UNIT

**10-570** Pieces: 1 Compact internal video unit for surface mounting with colour display, white

#### ACCESSORIES



**10-567** Pieces: 1 Table-top support, aluminium

### Internal video unit for surface-mounting with colour screen and receiver

The internal video unit for surface-mounting comprises two function keys:

- door opener key
- free function key



One of the following functions can be assigned to the free function key:

- control function for the DIN rail relay (10-831)
- activating the light switch function
- calling up camera images

The device also has a switch on the side to switch the ringtone on and off, as well as a ringtone volume control.

- dimensions (without receiver): 250 x 100 x 28 mm (HxWxD)
- dimensions (with receiver): 250 x 100 x 50 mm (HxWxD)
- housing material: plastic, white
- mounting on flush-mounting socket possible
- CE marking
- video signal input: symmetrical, 1 Vss FBAS
- parallel connection to another internal video unit possible
- 7 adjustable ringtones
- ringtone distinction for floor call, door call and internal call
- configurable with the Niko configuration software for access control
- TFT colour screen: 3.5 inch (8.9 cm diagonal)
- resolution: 320 x 240 pixels, RGB

#### COMPLETE UNIT

**10-575** Pieces: 1 Internal video unit for surface-mounting with colour screen and receiver





### Internal video unit for surface mounting with colour display

The communication with the visitor through this unit for surface mounting is hands-free. The device has five function keys:

- door opener key/key for activating the light switch function
- conversation key
- key for activating and deactivating the ring signal
- key for calling up camera images
- free function key

One of the following functionalities can be assigned to the free function key:

- control function for the DIN rail relay (10-831)
- light switching
- internal call
- ring-and-come-in function
- call forwarding

The side of device has also three navigation keys to consult the menu and to run through the menu options.

- dimensions: 104 x 153 x 19 mm (HxWxD)
- TFT colour display: 68 x 50 mm (HxW)
- material: aluminium and plastic
- for flush-mounting box with conical screw fixing
- CE marking
- adjustable ring volume and image
- two indication LEDs for an engaged-line signal and a call signal
- parallel connection with another internal audio unit possible
- ring tone distinction between a floor call, a door call and an internal call
- configurable with the Niko configuration software for access control

#### COMPLETE UNIT

**10-571** Pieces: 1 Internal video unit for surface mounting with colour display, aluminium

#### ACCESSORIES



**10-568** Pieces: 1 Table-top support, aluminium

## Deluxe internal video unit

The communication with the visitor via this internal video unit is hands-free. The unit contains 7 function keys and a menu that can be navigated with the navigation keys.

- a door opener key/key to activate the light switch function
- a key to make a call
- a key to activate and deactivate the ring signal
- a key for future use
- a key to display camera images
- a menu key (to adjust ring signals and image settings)
- a free function key



NEW

One of the following functions can be assigned to the free function key:

- switching the lights on/off
- operating the control function for the DIN rail relay (10-831)
- making an internal call
- activating the 'ring-and-come-in' function
- activating call forwarding

Clear colour screen with a diagonal length of 14.5 cm (5.7 inch)

User friendly with clear functionality for intuitive control.

- dimensions: 215 x 280 x 30 mm (HxWxD)
- Colour: alu black
- Material surface-mounting box: zinc-plated steel with powder coating
- Material front plate: anodized aluminium and acrylic glass
- Maximum allowable ambient temperature: 5 °C - 40 °C
- Power supply voltage: 24 V DC  $\pm$  8%
- Maximum input current:  $I(P_{max}) = 240$  mA
- Input current in standby:  $I(a) = 0.4$  mA,  $I(P) = 33$  mA
- CE marking
- Monitor: TFT colour screen (640 x 480 pixels, RGB) - 14.5 cm (5.7") diagonal screen size
- Video signal: 1 Vpp, symmetrical
- configurable with Niko configuration software for access control

### COMPLETE UNIT

<b>10-572</b>	Pieces: 1	Luxurious hands-free internal video unit with large 5.7" colour screen and menu function, surface-mounting
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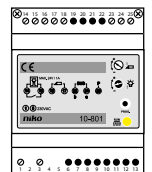
### COMPLETE UNIT

<b>10-573</b>	Pieces: 1	Luxurious hands-free internal video unit with large 5.7" colour screen and menu function, flush-mounting
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## Power supply 20

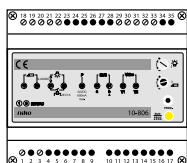
This central power supply for DIN rail mounting is suitable for door and video intercom installations. When used in door intercom installations, a maximum of 20 internal audio units (10-501 and 10-505) or six internal audio units (10-525) and two illuminated external audio units can be connected to the power supply. When used in video intercom installations, an additional direct current power supply (10-805-01) is always required for the displays. The power supply has bus connections, a potential-free relay contact for the light circuit (max. 24 Vdc and 1 A) and an alternating current output for the door opener (8 - 12 Vac). The front side of the power supply is provided with a programming button, a status LED (lights up when put into operation) and two potentiometers to adjust the activation time of the door opener and light circuit.

- dimensions: 90 x 72 x 70 mm (HxWxD) (DIN 4U)
- input voltage: 230 Vac
- output voltage (bus): 24 V  $\pm$  1 V
- activation time of the door opener: 0.8 - 8 s
- activation time of the light circuit: 0.5 s - 5 min
- current: 50 mA (for a two-wire connection), 130 mA (for a three-wire connection) (P wire)
- CE marking



### COMPLETE DEVICE

<b>10-801</b>	Pieces: 1	Power supply 20
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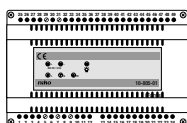
### Video power supply

This video power supply for DIN rail mounting is suitable for video intercom installations with one external video unit, one splitter and a maximum of 12 internal video units (only one of which can be active at any one time). If two internal video units are to be active simultaneously, the installation may only contain six internal video units. The installation can be expanded with one external audio unit, three internal audio units and one relay. The power supply has a potential-free relay contact for the light circuit (max. 24 Vdc and 1 A) and an alternating current output for the door opener (8 - 12 Vac). The front side of the power supply is provided with a programming button, a status LED (lights up when put into operation) and two potentiometers to adjust the activation time of the door opener and light circuit.

- dimensions: 90 x 105 x 70 mm (HxWxD) (DIN 6U)
- input voltage: 230 Vac
- output voltage (bus): 26 V  $\pm$  1 V
- activation time of the door opener: 0.8 - 8 s
- activation time of the light circuit: 0.5 s - 5 min
- CE marking

#### COMPLETE UNIT

**10-806** Pieces: 1 Video power supply



### Direct current power supply 2.5 A

This direct current power supply for DIN rail mounting is suitable for extensive video intercom installations. The power supply is always used in combination with power supply 20 (10-801) or power supply 100 (10-802).

- dimensions: 90 x 140 x 70 mm (HxWxD) (DIN 8U)
- input voltage: 230 V  $\pm$  15%
- output voltage: 26 V (Imax: 2.5 A)
- CE marking

#### COMPLETE UNIT

**10-805-01** Pieces: 1 Direct current power supply 2.5 A



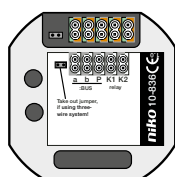
### Transformer

This transformer for DIN rail mounting is suitable for the power supply of door openers and doorbells.

- dimensions: DIN 2U
- input voltage: 230 Vac
- output voltage: 8 Vac (at 2 A), 12 Vac (at 1.3 A)
- CE marking

#### COMPLETE UNIT

**10-819** Pieces: 1 Transformer



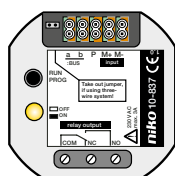
### Relay for flush mounting

This external relay is suitable for mounting in flush mounting boxes and is used for opening a door lock. The relay can react to the door opener function without additional programming. In case several relays are used, the programming should be carried out by means of the service set.

- dimensions: 51 x 51 x 22 mm (HxWxD)
- power supply (bus): 24 V  $\pm$  1 V
- potential-free relay contact: 2 A
- CE marking

#### COMPLETE UNIT

**10-836** Pieces: 1 Relay for flush mounting



### Universal relay for flush mounting

This external, potential-free relay is suitable for mounting in flush-mounting boxes and is equipped with a potential-free input contact that can be used as an NO or NC contact. The relay is used for the connection of an additional bell or as a light switch.

- dimensions: 51 x 51 x 22 mm (HxWxD)
- power supply (bus): 24 V  $\pm$  1 V
- potential-free relay contact: 230 Vac, 3 A
- CE marking

#### COMPLETE UNIT

**10-837** Pieces: 1 Universal relay for flush mounting

## DIN rail relay

The universal relay for DIN rail mounting (10-830) is used for the connection of an additional bell, as a light switch, ... The function of both the relay output and the input contact are freely programmable.



The pre-programmed relay for DIN rail mounting (10-831) switches its relay output when the control function of the internal audio or video units is used (by means of the free function key). The input contact switches the relay output according to the pre-set switching time.

- dimensions: 85 x 18 x 65 mm (HxWxD) (DIN 1U)
- potential-free input contact
- potential-free relay contact: 230 V, 2 A
- two status LEDs for the relay output and the input contact
- switching time of the relay output: 0 - 63 s
- three-wire connection required (a, b, P)
- CE marking

### COMPLETE UNIT

**10-831** Pieces: 1 Pre-programmed DIN rail relay

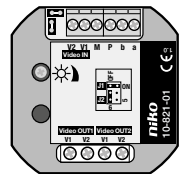
### COMPLETE UNIT

**10-830** Pieces: 1 Universal DIN rail relay

## Video splitter 2 for flush mounting

This video splitter for flush mounting is suitable for splitting video signals over two circuits. The video splitter is provided with an active amplifier. Depending on the number of devices, several video splitters can be included in the installation.

- dimensions: 51 x 51 x 22 mm (HxWxD)
- input current:  $I(a) = 0.0 \text{ mA} - I(P_{\text{max}}) = 60 \text{ mA}$
- signal amplification: 0 - +12 dB (linear)
- maximum output signal: 4 Vpp (in case of 1 Vpp at the input and a terminal resistance of 100  $\Omega$ )
- CE marking



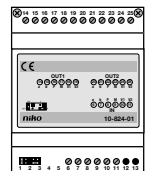
### COMPLETE UNIT

**10-821-01** Pieces: 1 Video splitter 2 for flush mounting

## Modular video splitter 2

This video splitter for DIN rail mounting is suitable for splitting video signals over two circuits. The video splitter is provided with active amplifiers. Depending on the number of devices, several video splitters can be included in the installation.

- dimensions: 90 x 72 x 70 mm (HxWxD) (DIN 4U)
- input current:  $I(a) = 0.0 \text{ mA} - I(P_{\text{max}}) = 75 \text{ mA}$
- signal amplification: 0 - +12 dB (linear)
- maximum output signal: 4 Vpp (in case of 1 Vpp at the input and a terminal resistance of 100  $\Omega$ )
- CE marking



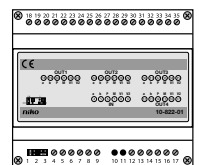
### COMPLETE UNIT

**10-824-01** Pieces: 1 Modular video splitter 2

## Modular video splitter 4

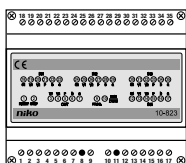
This video splitter for DIN rail mounting is suitable for splitting video signals over four circuits. The video splitter is provided with active amplifiers. Depending on the number of devices, several video splitters can be included in an installation.

- dimensions: 90 x 105 x 70 mm (HxWxD) (DIN 6U)
- input current:  $I(a) = 0.0 \text{ mA} - I(P_{\text{max}}) = 120 \text{ mA}$
- signal amplification: 0 - +12 dB (linear)
- maximum output signal: 4 Vpp (in case of 1 Vpp at the input and a terminal resistance of 100  $\Omega$ )
- CE marking



### COMPLETE UNIT

**10-822-01** Pieces: 1 Modular video splitter 4



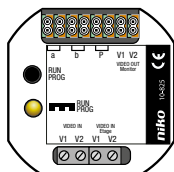
### Modular video switcher 4

This video switcher for DIN rail mounting sends the video signal coming from a maximum of four external units or external cameras to one output. Several video switchers (maximum sixteen) can be connected in cascade if more than four external units are included in an installation.

- dimensions: 90 x 105 x 70 mm (HxWxD) (DIN 6U)
- four video inputs, one video output
- input voltage: 26 V  $\pm$  8%
- maximum power consumption: 20 mA
- CE marking

#### COMPLETE UNIT

**10-826** Pieces: 1 Modular video switcher 4-fold



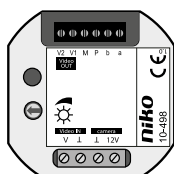
### Floor video switcher for flush mounting

The floor video switcher for flush mounting is always part of an installation including a main external video unit, a floor external video unit, one or more internal video units and a power supply. This video switcher can select the video image of the main external unit or the floor external unit for one internal video unit.

- dimensions: 52 x 52 x 23 mm (HxWxD)
- input current:  $I(a) = 0.4 \text{ mA} - I(P_{\text{max}}) = 9 \text{ mA}$
- CE marking

#### COMPLETE UNIT

**10-825** Pieces: 1 Floor video switcher for flush mounting



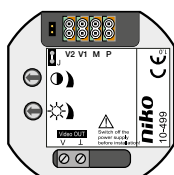
### Video transmitter for flush mounting

This video transmitter for flush mounting guarantees the connection between an external camera with coaxial connection and the bus. The video transmitter is supplied with power via the P wire of the bus and can be used on any location.

- dimensions: 51 x 51 x 22 mm (HxWxD)
- input impedance: 75  $\Omega$
- output impedance: 100  $\Omega$ , symmetrical
- video signal: -10 - +4 dB
- camera power supply: 12 V, max. 250 mA
- CE marking

#### COMPLETE UNIT

**10-498** Pieces: 1 Video transmitter for flush mounting



### Video receiver for flush mounting

This video receiver for flush mounting connects a video signal to a coaxial system and is used for displaying the image on a TV or a video recorder. The video receiver is supplied with power via the P wire of the bus and can be used on any location.

- dimensions: 51 x 51 x 22 mm (HxWxD)
- input impedance: 100  $\Omega$ , symmetrical
- output impedance: 75  $\Omega$
- video signal: -10 - +4 dB
- CE marking

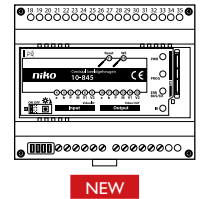
#### COMPLETE UNIT

**10-499** Pieces: 1 Video receiver for flush mounting

## Central screen memory

This central screen memory module is suitable for larger projects and is mounted in the electrical cabinet and can be used in combination with all internal video units. The call images of every individual housing unit are first encrypted and then centrally stored (on a SD card). These images can only be seen from the called internal video unit.

- dimensions: 90 x 105 x 70 mm (HxWxD) (DIN 6U)
- power supply voltage:  $+24\text{ V} \pm 8\%$
- input current in standby:  $I(a) = 0.1\text{ mA}$ ,  $I(P) = 106\text{ mA}$
- max input current:  $I(P_{\text{max}}) = 141\text{ mA}$
- input / output impedance:  $100\ \Omega$  balanced
- output level video signal: between  $-11\text{ dB}$  and  $+5\text{ dB}$ ;  $0.28\text{--}1.82\text{ V}_{\text{ss}}$
- marking: CE
- image resolution:  $720 \times 576$  pixels
- storage of up to 64 images / housing unit
- encryption of images for privacy
- password protection against unauthorized configuration
- up to 32 housing units/central screen memory
- possibility to install multiple central screen memories
- configurable with Niko Configuration SW for access control



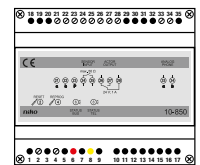
### COMPLETE UNIT

**10-845** Pieces: 1 Central screen memory

## Telephone interface

This telephone interface is designed to connect the Niko access control installation to the telephone network via the a/b connection of analogue or ISDN telephone exchanges. The power supply voltage is provided via the P wire of the installation. This module is equipped with a potential-free input contact and a relay output with programmable switching time. A maximum of 64 numbers can be programmed in the memory of the telephone interface. In case more numbers are required, more telephone interfaces can be connected in parallel (up to 64).

- dimensions: 90 x 105 x 70 (HxWxD) (DIN 6U)
- CE marking
- security feature for programming mode via pin code
- control of door opener relay, light relay and a maximum of ten bus relays
- the external audio unit can be connected to the internal telephones



### COMPLETE UNIT

**10-850** Pieces: 1 Telephone interface

## Outdoor surface-mounting camera with video transmitter

The colour camera with an aluminium housing and an infrared-sensitive sensor can be rotated both horizontally and vertically and is suitable for variable weather conditions. The device is equipped with a varifocal lens (adjustable during installation) and infrared LEDs for a better visibility at night.



The supplied video transmitter (10-498) is connected to the camera through two wires (power supply) and a coaxial cable. The video transmitter is supplied with power from the bus and converts the camera signal to a signal that can be transmitted over a twisted pair cable.

Colour camera specifications:

- type: interline transfer CCD sensor
- dimensions:  $77,5 \times 77,5 \times 280\text{ mm}$  (HxWxD)
- ambient temperature:  $-10 - 50\text{ }^{\circ}\text{C}$
- PAL resolution: 550 horizontal TV lines
- aperture: F1.2
- IP66
- focal length:  $3.3 - 12\text{ mm}$  (F1,2)
- light sensitivity:  $0,001\text{ lux}$  (kleurweergave) en  $0\text{ lux}$  (IR-sensor)
- back light compensation
- input voltage:  $12\text{ Vdc}$

- video output:  $1\text{ Vpp}$ , FBAS, at  $75\ \Omega$

- ambient temperature:  $-20 - 55\text{ }^{\circ}\text{C}$
- CE marking

Video transmitter specifications:

- dimensions:  $51 \times 51 \times 22\text{ mm}$  (HxWxD)
- input impedance:  $75\ \Omega$
- output impedance:  $100\ \Omega$ , symmetrical
- video signal:  $-10 - +4\text{ dB}$
- camera power supply:  $12\text{ V}$ , max.  $250\text{ mA}$
- CE marking

### COMPLETE UNIT

**10-490-03** Pieces: 1



### External audio unit for surface mounting with one column of bell push buttons, 16 mm

The compact unit for surface mounting, which is completely made of aluminium, is equipped with an adjustable microphone and loudspeaker as well as text fields for personalisation provided with vandal-proof plexiglas (4 mm thick). The maintenance-free, gold-plated push-button contacts guarantee a long lifespan. The push buttons can also be used for switching the light. Thanks to the two-wire technology, an existing bell push button can easily be replaced by an external audio unit.

- surface-mounting height: 16 mm
- electronic parts protected against water and corrosion
- CE marking
- confirmation tone for the visitor
- removable EEPROM memory
- configurable with the Niko configuration software for access control
- memory for two serial numbers per push button

#### COMPLETE UNIT

<b>10-151</b>	Pieces: 1	With 1 bell push button, 153 x 104 x 16 mm (HxWxD)
<b>10-152</b>	Pieces: 1	With 2 bell push buttons, 153 x 104 x 16 mm (HxWxD)
<b>10-153</b>	Pieces: 1	With 3 bell push buttons, 153 x 104 x 16 mm (HxWxD)
<b>10-154</b>	Pieces: 1	With 4 bell push buttons, 153 x 104 x 16 mm (HxWxD)
<b>10-156</b>	Pieces: 1	With 6 bell push buttons, 197 x 104 x 16 mm (HxWxD)
<b>10-158</b>	Pieces: 1	With 8 bell push buttons, 241 x 104 x 16 mm (HxWxD)



### External audio unit for surface mounting with two columns of bell push buttons, 20 mm

The solid unit for surface mounting, which is completely finished in up to 7 mm thick aluminium, is equipped with an adjustable microphone and loudspeaker as well as text fields for personalisation provided with vandal-proof plexiglas (5 mm thick). The maintenance-free, gold-plated push-button contacts guarantee a long lifespan. The push buttons can also be used for switching the light. The unit for surface mounting has two columns of bell push buttons, and is therefore suitable for large housing complexes. This device is available with maximum 92 bell push buttons by means of the extension modules. The extension module has the same finish as the external unit. Since the module is opened at the bottom, it has to be mounted sidelong on the external unit.

- surface-mounting height: 20 mm
- electronic parts protected against water and corrosion
- CE marking
- confirmation tone for the visitor
- removable EEPROM memory
- configurable avec le logiciel de configuration Niko pour le contrôle d'accès
- memory for two serial numbers per push button

#### COMPLETE UNIT

<b>10-104</b>	Pieces: 1	With four bell push buttons, 128 x 135 x 20 mm (HxWxD)
<b>10-106</b>	Pieces: 1	With six bell push buttons, 147 x 135 x 20 mm (HxWxD)
<b>10-108</b>	Pieces: 1	With eight bell push buttons, 166 x 135 x 20 mm (HxWxD)
<b>10-110</b>	Pieces: 1	With ten bell push buttons, 185 x 135 x 20 mm (HxWxD)
<b>10-112</b>	Pieces: 1	With twelve bell push buttons, 204 x 135 x 20 mm (HxWxD)

#### EXTENSION MODULE

<b>10-112-01</b>	Pieces: 1	With 12 bell push buttons, 128 x 135 x 20 mm (HxWxD)
<b>10-114-01</b>	Pieces: 1	With 14 bell push buttons, 147 x 135 x 20 mm (HxWxD)
<b>10-116-01</b>	Pieces: 1	With 16 bell push buttons, 166 x 135 x 20 mm (HxWxD)
<b>10-118-01</b>	Pieces: 1	With 18 bell push buttons, 185 x 135 x 20 mm (HxWxD)
<b>10-120-01</b>	Pieces: 1	With 20 bell push buttons, 204 x 135 x 20 mm (HxWxD)

#### ACCESSORIES



<b>10-876</b>	Pieces: 1	Protection cap, 83 x 139 x 60 mm (HxWxD)
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### External audio unit for flush mounting with one, two or three columns of bell push buttons

The ultraflat unit for flush mounting, which is completely finished with an aluminium front plate (3 mm thick), is equipped with an adjustable microphone and loudspeaker as well as text fields for personalisation provided with vandal-proof plexiglas (5 mm thick). The maintenance-free, gold-plated push-button contacts guarantee a long lifespan. The push buttons can also be used for switching the light. Thanks to the two-wire technology, an existing bell push button can easily be replaced by an external audio unit. The flush-mounting box is supplied with this device (see technical information for the dimensions of the flush-mounting box).



- electronic parts protected against water and corrosion
- CE marking
- memory for two serial numbers per push button
- confirmation tone for the visitor
- electronic parts protected against water and corrosion
- removable EEPROM memory
- configurable with the Niko configuration software for access control

#### COMPLETE UNIT

<b>10-201</b>	Pieces: 1	With 1 bell push button, 208 x 150 x 3 mm (HxWxD)
<b>10-202</b>	Pieces: 1	With 2 bell push buttons, 208 x 150 x 3 mm (HxWxD)
<b>10-203</b>	Pieces: 1	With 3 bell push buttons, 208 x 150 x 3 mm (HxWxD)
<b>10-204</b>	Pieces: 1	With 4 bell push buttons, 208 x 150 x 3 mm (HxWxD)
<b>10-206</b>	Pieces: 1	With 6 bell push buttons, 252 x 150 x 3 mm (HxWxD)
<b>10-208</b>	Pieces: 1	With 8 bell push buttons, 296 x 150 x 3 mm (HxWxD)
<b>10-210</b>	Pieces: 1	With 10 bell push buttons, 340 x 150 x 3 mm (HxWxD)
<b>10-212</b>	Pieces: 1	With 12 bell push buttons, 252 x 274 x 3 mm (HxWxD)
<b>10-214</b>	Pieces: 1	With 14 bell push buttons, 274 x 274 x 3 mm (HxWxD)
<b>10-216</b>	Pieces: 1	With 16 bell push buttons, 296 x 274 x 3 mm (HxWxD)
<b>10-218</b>	Pieces: 1	With 18 bell push buttons, 318 x 274 x 3 mm (HxWxD)
<b>10-220</b>	Pieces: 1	With 20 bell push buttons, 340 x 274 x 3 mm (HxWxD)
<b>10-224</b>	Pieces: 1	With 24 bell push buttons, 296 x 398 x 3 mm (HxWxD)
<b>10-227</b>	Pieces: 1	With 27 bell push buttons, 318 x 398 x 3 mm (HxWxD)

### Transponder reader for transponder keys or cards

The transponder reader is used as a door opening function, either stand-alone or as part of an access control installation. Up to 250 transponder keys (10-905-01) or cards (10-905-02) can be programmed. When reading the key or card, you receive visual and acoustic feedback. The programming of the system is password-protected. The transponder is also protected against sabotage of the device. The module is made of anodised aluminium.



NEW

The transponder reader module includes an IR remote control.

- dimensions: 153 x 104 x 16 mm (HxWxD)
- finishing colour: anodised aluminium
- mounting: surface-mounting
- ambient temperature: -25 °C to +55 °C
- protection degree: IP44
- vandal proof: yes
- power supply voltage: +24 V  $\pm$  8% (18-28 V in stand-alone)
- input current (in standby): 0 mA, I(P) = 17 mA
- max input current: I(Pmax) = 40 mA
- wire technique: 2- or 3-wired
- marking: CE
- up to 250 transponder keys or cards can be programmed
- MIFARE Classic® 1K / 4K technology
- door opening function with potential-free relay contact
- visual and acoustic feedback after code is entered
- LEDs for status indication
- password protection against unauthorized configuration
- sabotage contact
- configurable with Niko configuration software for access control

#### COMPLETE DEVICE

<b>10-905</b>	Pieces: 1	Transponder reader for transponder keys or cards
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#### ACCESSORIES



<b>10-905-01</b>	Pieces: 1	Transponder key (to be ordered separately for each project)
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#### ACCESSORIES



<b>10-905-02</b>	Pieces: 1	Transponder card (to be ordered separately for each project)
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### Code keyboard

The code keyboard for surface mounting, which is completely made of aluminium (3 mm thick), is suitable for both indoor and outdoor applications. Up to ten different user codes can be taught to the code keyboard. Different functions can be assigned to every user code, such as a door opener function or an external relay contact. The code keyboard can be integrated in the Niko access control installation, but it can also be used as a stand-alone appliance. In combination with power supply 20 (10-801), the code keyboard can directly control a door lock. The code keyboard is illuminated by means of five blue LEDs.

- dimensions: 113 x 88 x 12 mm (HxWxD)
- power consumption:  $I(a) = 0.4 \text{ mA}$  –  $I(P_{\max}) = 59 \text{ mA}$
- stand-alone use: 24 Vdc, 60 mA
- stand-alone output: 24 Vdc (for controlling a 24 Vdc relay, such as a relay for external audio units (10-835))
- CE marking

#### COMPLETE UNIT

**10-901** Pieces: 1 Code keyboard



### Modular external audio unit for flush-mounting with 3 modules

Modular external audio unit for flush-mounting with 3 modules: audio, display and code lock

This modular flush-mounted external unit offers an elegant and flexible solution for your projects (up to 256 housing units). The start screen of the display can be configured individually (e.g. name of the residence). The front plate is made from high-quality brushed stainless steel. This complete audio set is equipped with an audio, display and code lock module.

It makes it possible to activate a door call, have a conversation and open the door. Thanks to the 3 function keys on the display module, you can easily navigate through the alphabetically sorted resident list. You can also use the code lock module to navigate via the flat number.

An overview of the entire series of modular external units (mounting kits and functional modules) can be found under 'video solutions'.

Do you require more information and/or help with your project? Feel free to contact Niko.

- front plate dimensions: 440 x 200 x 3 mm (HxWxD)
- flush-mounting frame dimensions: 420 x 180 x 50 mm (HxWxD)
- finishing colour: brushed steel; modules made of black aluminium
- protection degree: IP44
- ambient temperature: -20 °C to +50 °C
- vandal proof: yes
- input current in standby:  $I(a) = 0.4 \text{ mA}$ ,  $I(P) = 140 \text{ mA}$
- max input current:  $I(P_{\max}) = 245 \text{ mA}$
- wire technique: 3-wired
- marking: CE
- suitable for projects with up to 256 housing units
- fully graphic, monochrome display of 160 x 104 pixels
- hands-free conversation (standard); full duplex conversation possible
- visual feedback for visitor (colour pictographs)
- error detection and indication
- integrated twilight switch
- direct dialling possible (in combination with 10-850)
- extra clamps: yes (e.g. for connecting door opener)
- removable EEPROM memory
- configurable with the Niko configuration software for access control

#### COMPLETE DEVICE

**10-286** Pieces: 1 Modular external audio unit for flush-mounting with 3 modules

### Door loudspeaker for flush mounting

The door loudspeaker is suitable for flush mounting into existing panels or panels of own design for door intercom or video intercom systems. The product is equipped with an adjustable microphone and loudspeaker. The push buttons can also be used for switching the light.



- dimensions: 80 x 112 x 34 mm (HxWxD)
- CE marking
- cable length of removable microphone: 25 cm
- connection terminals for 16 bell push buttons
- memory for two serial numbers per push button
- confirmation tone for the visitor
- removable EEPROM memory
- configurable with Niko Configuration SW for access control

The door loudspeaker is expandable with up to six extension modules (10-881-01) in cascade. The small connecting cable on the extension module enables its connection with the door loudspeaker.

- dimensions: 56 x 88 x 30 mm (HxWxD)
- CE marking
- connection terminals for 32 bell push buttons
- memory for two serial numbers per push button
- removable EEPROM memory

#### ACCESSORIES

**10-881-01** Pieces: 1 Extension module



### Compact internal audio unit for surface mounting

The communication with the visitor via this compact surface-mounted unit is hands-free. The surface-mounted unit includes five function keys:

- door opener key
- key for switching the light
- speech key
- key to activate and deactivate the ring signal
- free function key

One of the following functions can be assigned to the free function key:

- control function for the DIN rail relay (10-831)
- internal call
- Ring-and-come-in function
- call diversion

You can use the table-top support for mounting on a table:

- dimensions: 185 x 67 x 26 mm (HxWxD)
- includes a 3 m cable with RJ45 connector
- dimensions: 180 mm x 100 mm x 23 mm (HxWxD)
- front plate material: white synthetic
- mounting on flush-mounting box possible
- ambient temperature: -5 – +40 °C
- protection degree: IP30
- power supply voltage: 24 V DC  $\pm 8\%$
- maximum input current:  $I(P_{max}) = 75 \text{ mA}$
- input current when idle:
  - two-wire:  $I(a) = 1 \text{ mA}$
  - three-wire:  $I(a) = 0.2 \text{ mA} - I(P) = 0.8 \text{ mA}$
- CE marking
- parallel connection to another internal audio unit possible
- ringtone distinction for floor call, door call and internal call
- two indication LEDs for an engaged-line signal and a call signal
- adjustable ring volume with volume control at the bottom of the device
- configurable with the Niko configuration software for access control

#### COMPLETE DEVICE

**10-525** Pieces: 1 Compete unit

### Compact intercom for surface mounting

The intercom for surface mounting has four function keys:

- door opener key
- key for switching the light
- key for activating and deactivating the ring signal
- free function key



One of the following functionalities can be assigned to the free function key:

- control function for the DIN rail relay (10-831)
- internal call
- ring-and-come-in function
- call forwarding

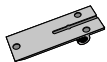
The table-top support is used for mounting on a table:

- dimensions: 185 x 67 x 26 mm (HxWxD)
- including a 3 m cable with RJ12 connector
- dimensions (without receiver): 180 x 100 x 23 mm (HxWxD)
- dimensions (with receiver): 204 x 100 x 50 mm (HxWxD)
- material of the housing: white plastic
- mounting on flush-mounting box possible
- CE marking
- ring tone distinction between a floor call, a door call and an internal call
- two indication LEDs for an engaged-line signal and a call signal
- adjustable ring and speech volume with volume control at the bottom
- configurable avec le logiciel de configuration Niko pour le contrôle d'accès
- parallel connection with another internal audio unit possible
- 13 adjustable ring tones

#### COMPLETE UNIT

**10-505** Pieces: 1 Compact intercom for surface mounting, white

#### ACCESSORIES



**10-509** Pieces: 1 Table-top support, aluminium

### Compact intercom for surface mounting with extension

This intercom for surface mounting consists of a basic module and an extension module. The extension module is provided with ten free function keys with an indication LED and a text field for personalisation. One of the following functionalities can be assigned to a free function key:

- communicating with an external audio unit and switching the door opener relay
- internal call
- call forwarding
- control function
- dimensions: 215 x 172 x 43 mm (HxWxD)
- CE marking
- configurable avec le logiciel de configuration Niko pour le contrôle d'accès



#### COMPLETE UNIT

**10-512** Pieces: 1 Compact intercom for surface mounting with extension, white



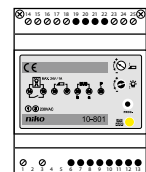
### Extra bell for surface mounting

The extra bell can be added to an internal audio or video unit, so that calls never go unheard. There is a ring tone distinction between a floor call, a door call and an internal call. The ring signal can be deactivated by using the switch at the bottom of the bell. The ring volume can be adjusted during the installation. The bell will be connected to the bus system, and can be programmed in parallel with two internal audio or video units or directly to a bell push button. It is not necessary to add an extra contact or transformer.

- dimensions: 98 x 98 x 12 mm (HxWxD)
- material: white plastic
- CE marking

#### COMPLETE UNIT

**10-521** Pieces: 1 Extra bell for surface mounting, white



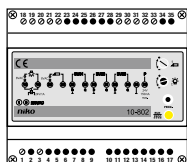
### Power supply 20

This central power supply for DIN rail mounting is suitable for door and video intercom installations. When used in door intercom installations, a maximum of 20 internal audio units (10-501 and 10-505) or six internal audio units (10-525) and two illuminated external audio units can be connected to the power supply. When used in video intercom installations, an additional direct current power supply (10-805-01) is always required for the displays. The power supply has bus connections, a potential-free relay contact for the light circuit (max. 24 Vdc and 1 A) and an alternating current output for the door opener (8 - 12 Vac). The front side of the power supply is provided with a programming button, a status LED (lights up when put into operation) and two potentiometers to adjust the activation time of the door opener and light circuit.

- dimensions: 90 x 72 x 70 mm (HxWxD) (DIN 4U)
- input voltage: 230 Vac
- output voltage (bus): 24 V  $\pm$  1 V
- activation time of the door opener: 0.8 - 8 s
- activation time of the light circuit: 0.5 s - 5 min
- current: 50 mA (for a two-wire connection), 130 mA (for a three-wire connection) (P wire)
- CE marking

#### COMPLETE DEVICE

**10-801** Pieces: 1 Power supply 20



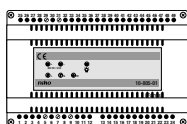
### Power supply 100

This central power supply for DIN rail mounting is suitable for door intercom installations with a maximum of 80 internal audio units (10-525) or 24 internal audio units (10-520) and a maximum of four illuminated external audio units, depending on the selected types. The power supply has bus connections (for three two-wire buses), an additional power supply terminal P, a potential-free relay contact for the light circuit (max. 24 Vdc and 1 A) and a potential-free relay contact for the door opener (max. 24 Vdc and 1 A). The front side of the power supply is provided with a programming button, a status LED (lights up when put into operation) and two potentiometers to adjust the activation time of the door opener and light circuit.

- dimensions: 90 x 105 x 70 mm (HxWxD) (DIN 6U)
- input voltage: 230 Vac
- output voltage (bus): 24 V  $\pm$  1 V
- activation time of the door opener: 0.8 - 8 s
- activation time of the light circuit: 0.5 s - 5 min
- current: max. 280 mA (three two-wire buses together)
- CE marking

#### COMPLETE UNIT

**10-802** Pieces: 1 Power supply 100



### Direct current power supply 2.5 A

This direct current power supply for DIN rail mounting is suitable for extensive video intercom installations. The power supply is always used in combination with power supply 20 (10-801) or power supply 100 (10-802).

- dimensions: 90 x 140 x 70 mm (HxWxD) (DIN 8U)
- input voltage: 230 V  $\pm$  15%
- output voltage: 26 V (Imax: 2.5 A)
- CE marking

#### COMPLETE UNIT

**10-805-01** Pieces: 1 Direct current power supply 2.5 A

## Transformer

This transformer for DIN rail mounting is suitable for the power supply of door openers and doorbells.

- dimensions: DIN 2U
- input voltage: 230 Vac
- output voltage: 8 Vac (at 2 A), 12 Vac (at 1.3 A)
- CE marking



### COMPLETE UNIT

**10-819** Pieces: 1 Transformer

## Relay for external audio units

This external relay is suitable for flush mounting in all external audio units and is used for opening a door lock.

- dimensions: 20 x 26 x 6 mm (HxWxD)
- relay contact: 24 V, 2 A
- CE marking



### COMPLETE UNIT

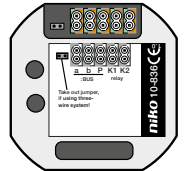


**10-835** Pieces: 1 Relay for external audio units

## Relay for flush mounting

This external relay is suitable for mounting in flush mounting boxes and is used for opening a door lock. The relay can react to the door opener function without additional programming. In case several relays are used, the programming should be carried out by means of the service set.

- dimensions: 51 x 51 x 22 mm (HxWxD)
- power supply (bus): 24 V  $\pm$  1 V
- potential-free relay contact: 2 A
- CE marking



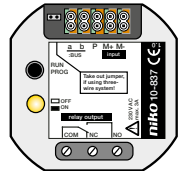
### COMPLETE UNIT

**10-836** Pieces: 1 Relay for flush mounting

## Universal relay for flush mounting

This external, potential-free relay is suitable for mounting in flush-mounting boxes and is equipped with a potential-free input contact that can be used as an NO or NC contact. The relay is used for the connection of an additional bell or as a light switch.

- dimensions: 51 x 51 x 22 mm (HxWxD)
- power supply (bus): 24 V  $\pm$  1 V
- potential-free relay contact: 230 Vac, 3 A
- CE marking



### COMPLETE UNIT

**10-837** Pieces: 1 Universal relay for flush mounting



### DIN rail relay

The universal relay for DIN rail mounting (10-830) is used for the connection of an additional bell, as a light switch, ... The function of both the relay output and the input contact are freely programmable.

The pre-programmed relay for DIN rail mounting (10-831) switches its relay output when the control function of the internal audio or video units is used (by means of the free function key). The input contact switches the relay output according to the pre-set switching time.

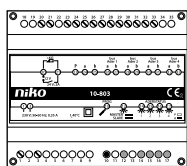
- dimensions: 85 x 18 x 65 mm (HxWxD) (DIN 1U)
- potential-free input contact
- potential-free relay contact: 230 V, 2 A
- two status LEDs for the relay output and the input contact
- switching time of the relay output: 0 - 63 s
- three-wire connection required (a, b, P)
- CE marking

#### COMPLETE UNIT

**10-831** Pieces: 1 Pre-programmed DIN rail relay

#### COMPLETE UNIT

**10-830** Pieces: 1 Universal DIN rail relay



NEW

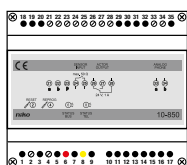
### External unit connection for up to 4 slave external audio units

This external unit connection makes it possible to configure an access control installation with 1 main external unit and a maximum of 4 slave external audio units. From the main external unit a call can be made to all slave installations, and within the same slave installation speech connections can also be established.

- dimensions: 90 x 105 x 70 mm (HxWxD) (DIN 6U)
- input voltage: 230 Vac  $\pm$  10%
- output voltage: +24 V  $\pm$  8%
- output current: I(a) = 35 mA (on the line); I(P) = 60 mA
- activation time for door opener: 3 s (standard)
- wire technique: 3-wired
- marking: CE
- possibility to use 5 external unit connections in 1 installation
- (5x4 slave installations)

#### COMPLETE DEVICE

**10-803** Pieces: 1 External unit connection for up to 4 slave external audio units



### Telephone interface

This telephone interface is designed to connect the Niko access control installation to the telephone network via the a/b connection of analogue or ISDN telephone exchanges. The power supply voltage is provided via the P wire of the installation. This module is equipped with a potential-free input contact and a relay output with programmable switching time. A maximum of 64 numbers can be programmed in the memory of the telephone interface. In case more numbers are required, more telephone interfaces can be connected in parallel (up to 64).

- dimensions: 90 x 105 x 70 (HxWxD) (DIN 6U)
- CE marking
- security feature for programming mode via pin code
- control of door opener relay, light relay and a maximum of ten bus relays
- the external audio unit can be connected to the internal telephones

#### COMPLETE UNIT

**10-850** Pieces: 1 Telephone interface





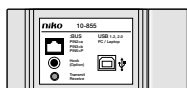


### Niko configuration software for access control

Using Niko configuration software, you can configure your access control project offline beforehand (on laptop). You assign the bell push buttons to the right internal unit. You can set the desired parameters for most devices and units. After, you can quickly and easily upload the entire configuration into the installation, using the PC interface (10-855) which is available separately.

The Niko configuration software for access control can also be used to read an existing installation for maintenance of changing the parameters.

Download the Niko configuration software for access control via [www.niko.be/NAC\\_Configuration\\_SW](http://www.niko.be/NAC_Configuration_SW).



### PC interface for programming and configuration

The PC interface, in combination with the Niko configuration software for access control, is suitable to read or configure a new or existing installation and/or modify the settings of separate devices. The interface is connected to the bus via an intermediate circuit board. The connection to the PC or laptop occurs via USB.

The drivers for PC interface can be downloaded via [www.niko.eu](http://www.niko.eu). The drivers are available for PC or laptop with a Windows operating system.

- required PC configuration: minimum Windows 98SE
- USB connection: USB 1.1 or USB 2.0

For more information and project support, please contact Niko.

#### COMPLETE UNIT

**10-855** Pieces: 1 PC interface for programming



### Service set

With this service set, a complete installation can be easily programmed by one single person. All devices can be connected with one another without requiring access to the housing units. The service set can also be used to analyse the installation or to locate an error in the installation. Thanks to the built-in call suppression, all basic functions can be tested and programmed without bothering the residents. The service set is connected to the external unit(s) or the bus using a connection plug.

- dimensions: 200 x 50 x 35 mm (HxWxD)
- special functions such as program block
- function keys (light switch key, programming key, key for testing
- the speech connection to the external and internal unit)
- indication of bus parameters (bus voltage, bus commands, ...) on the display

#### COMPLETE UNIT

**10-870** Pieces: 1 Service set





## Bell push button



The Niko bell push button is finished with high-quality materials such as sprayed aluminium and black technical plastic. The product is excellently protected against corrosion and is suitable for variable weather conditions. The text field is large and very well illuminated. The push button is provided with contacts of top quality: a reed contact, consisting of two bar contacts in a hermetically sealed glass enclosure. The lamp has to be removed when using an electronic gong.

- dimensions: 95 x 54 x 19 mm (HxWxD)

### COMPLETE UNIT

<b>05-540</b>	Pieces: 10	Including lamp, 12 Vac, 1 A, black/aluminium
<b>05-540-06</b>	Pieces: 10	Including lamp, 6 Vac, 1 A, black/aluminium
<b>05-540-13</b>	Pieces: 10	Including lamp, 12 Vac, 1 A, white/white
<b>05-540-23</b>	Pieces: 10	Including lamp, 12 Vac, 1 A, black/white
<b>05-540-33</b>	Pieces: 10	Including lamp, 12 Vac, 1 A, white/aluminium

### ACCESSORIES

	<b>05-501-06</b>	Pieces: 10	Lamp for bell push button, 6 Vac, 1 A
	<b>05-501-12</b>	Pieces: 10	Lamp for bell push button, 12 Vac, 1 A



## Transformer

This transformer for DIN rail mounting is suitable for the power supply of door openers and doorbells.

- dimensions: DIN 2U
- input voltage: 230 Vac
- output voltage: 8 Vac (at 2 A), 12 Vac (at 1.3 A)
- CE marking

### COMPLETE UNIT

<b>10-819</b>	Pieces: 1	Transformer
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