niko
Illuminating ideas.

Chapter 11
2012 - 2013

NIKOBUS

Nikobus
Home automation

Nikobus is an intelligent control system that operates the entire electronic installation in your home. Functions can be programmed manually or from your PC.

ADVANTAGES

- programming manually or by pc
- all functions such as switching, dimming, shutter control
- connection to the wireless system
- free topology
- modules automatically take over the powering
- logical switchings
- calendar, timer program
- control via bus push button, RF, IR
- simple connection
- all functions are available in the new ranges
- the printed circuit boards can be mounted both horizontally and vertically, you only need one flush-mounting box

Switching module

The switching module is provided with prewired, separated circuits with relays. The 12 output contacts are used for switching electrical appliances. You can choose from 13 user functions, i.e.: switch (on/off), push button, teleruptor or atmopsheres. Per bus push button function, you can choose from 16 adjustable run times and 3 control times. The module is provided with two 230V inputs, 3 outputs for feedback via LEDs and diagnosis reporting. Manual control of the outputs is possible. The switching module is provided with a built-in power supply for a complete Nikobus installation.

- ambient temperature: 0 to 50°C
- power supply voltage: 230V/5W; 2 terminals: per terminal, max. 4 x 1.5mm² or 2 x 2.5mm²
- max. number of inputs: 256 per complete installation
- max. number of outputs: 12 per module; max. 20 switching or shutter modules or dim controllers per installation
- external 230V inputs: 2 inputs with common N, 230V, 5mA; 3 terminals: per terminal, max. 2 x 1.5mm² or 1 x 2.5mm²
- relays: 230V/10A, 1 x 6 N.O.+ 1 x 3 N.O. + 2 x N.O. + 1 x two-way = 12 outputs per terminal, max. 4 x 1.5mm² or 2 x 2.5mm²
- bus connection: 9V DC (SELV, safety extra low voltage); 2 terminals: per terminal, max. 2 x 1.5mm²
- outputs for feedback: with a separate power supply (bell transformer, 8 to 12V AC), the LED bus push buttons can be illuminated or status feedback of outputs 10, 11 and 12 can be reported. There are 4 terminals provided for this purpose on the switching module (per terminal max. 2 x 1.5mm²).
- mounting: the modules can be mounted both centrally and decentrally in a distribution box
- dimensions: 14U
- non-volatile EEPROM memory
- CE approved

COMPLETE UNIT

05-000-02 Pieces: 1 Complete unit

ACCESSORIES

05-000-19 Pieces: 1 EEPROM memory for switching and shutter module

Compact switching module

The compact switching module is provided with 4 output contacts for switching electrical appliances. You can choose from 13 user functions, i.e.: switch (on/off), push button, remote switch, teleruptor or atmopsheres. Per bus push button function, you can choose from 16 adjustable run times and 3 control times. The modes are displayed on a 7-segment display. These modules are NOT provided with 230V input contacts. The small switching module is provided with a built-in power supply for a complete Nikobus installation. The memory is identical to that of a 12-channel module.

- ambient temperature: 0 to 50°C
- power supply voltage: 230V/5W; 2 terminals: per terminal, max. 4 x 1.5mm² or 2 x 2.5mm²
- max. number of inputs: 256 per complete installation
- max. number of outputs: 4 per module; max. 20 modules per installation
- relays: 230V/10A, 4 N.O.: max. 4 x 1.5mm² or 2 x 2.5mm²
- bus connection: 9V DC (SELV, safety extra low voltage); 2 terminals: per terminal, max. 2 x 1.5mm²
- mounting: the modules can be mounted both centrally and decentrally in a distribution box
- dimensions: 4U
- non-volatile EEPROM memory
- CE approved

COMPLETE UNIT

05-002-02 Pieces: 6 Complete unit

Dim controller

The dim controller has 12 voltage driven 0-10V outputs. These outputs each control one or more power dimmers. The control in the connected dimmers is galvanically isolated. Every 0-10V compatible dimmer with galvanically isolated control input can be connected to the Nikobus dim controller. The dim controller enables to create atmospheres. These scenes are saved in the memory. With one push on the button, a light atmosphere is retrieved without every single light point having to be controlled. The different light atmospheres can be set or modified by the user. The dim controller is provided with two 230V inputs and diagnosis reporting. Connection of 1-10V SELV via the Niko dimmer (ref. 05-711).

- ambient temperature: 0 to 50°C
- power supply voltage: 230V/5W; 2 terminals: per terminal, max. 4 x 1.5mm² or 2 x 2.5mm²
- max. number of inputs: 256 per complete installation
- max. number of outputs: 12 per module; max. 20 switching or shutter modules or dim controllers per installation
- external 230V inputs: 2 inputs with common N, 230V, 5mA; 3 terminals: per terminal, max. 2 x 1.5mm² or 1 x 2.5mm²
- bus connection: 9V DC (SELV, safety extra low voltage); 2 terminals: per terminal, max. 2 x 1.5mm²
- outputs: 12 x 0-10V, 2mA outputs per terminal, max. 4 x 1.5mm² or 2 x 2.5mm²
- mounting: the modules can be mounted both centrally and decentrally in a distribution box
- dimensions: 4U
- non-volatile EEPROM memory
- CE approved

COMPLETE UNIT

05-007-02	Pieces: 1	Complete unit

ACCESSORIES

05-007-19	Pieces: 1	EEPROM memory for Nikobus dim controller

Compact dim controller

The dim controller is provided with 4 voltage driven 0-10V outputs. These outputs each control one or more power dimmers. The control in the connected dimmers is galvanically isolated. Every 0-10V compatible dimmer with galvanically isolated control input can be connected to the Nikobus dim controller. The dim controller enables to create atmospheres. These scenes are saved in the memory. With one push on the button, a light atmosphere is retrieved without every single light point having to be controlled. The different light atmospheres can be set or modified by the user. Connection of 1-10V SELV via the Niko channel dim controller (ref. 05-711). The compact dim controller is provided with a built-in power supply for a complete Nikobus installation. The memory is half of the memory of the 12-channel dim controller. Apart from the 2-button and 4-button modes of the 12-channel dim controller, this dim controller is also provided with 2 1-button modes.

Mode 13: Dim on/off, 1-button mode. Pressing briefly: switching between off and max. value. Pressing long: dimming up/down

Mode 14: Dim on/off with memory, 1-button mode. Pressing briefly: switching between off and the last value. Pressing long: dimming up/down

- ambient temperature: 0 to 50°C
- power supply voltage: 230V/5W; 2 terminals: per terminal, max. 4 x 1.5mm² or 2 x 2.5mm²
- max. number of inputs: 256 per complete installation
- max. number of outputs: 4 per module; max. 20 modules per installation
- outputs: 4 x 0-10V, 2mA outputs; per terminal, max. 4 x 1.5mm² or 2 x 2.5mm²
- bus connection: 9V DC (SELV, safety extra low voltage); per terminal, max. 2 x 1.5mm²
- mounting: the modules can be mounted both centrally and decentrally in a distribution box
- dimensions: 4U
- non-volatile EEPROM memory
- CE approved

COMPLETE UNIT

05-008-02	Pieces: 6	Complete unit

Shutter module

The shutter module is provided with 2 prewired, separated circuits with each 3 x 2 relay outputs. The outputs control motor driven systems, such as shutters, curtains or sun awnings. You can choose from 7 user functions. Per bus push button function, you can choose from 16 adjustable run times and 3 control times. The dim controller is provided with two 230V inputs and diagnosis reporting. Manual control of the outputs possible. Fixed changeover delay of 0.5s. The shutter module is provided with a built-in power supply for a complete Nikobus installation.

- ambient temperature: 0 to 50°C
- power supply voltage: 230V/5W; 2 terminals: per terminal, max. 4 x 1.5mm² or 2 x 2.5mm²
- max. number of inputs: 256 per complete installation
- max. number of outputs: 6 motors per module; max. 20 switching or shutter modules or dim controllers per installation
- external 230V inputs: 2 inputs with common N, 230V, 5mA; 3 terminals: per terminal, max. 2 x 1.5mm² or 1 x 2.5mm² • relays: 230V/10A, 6 outputs; per terminal max. 4 x 1.5mm² or 2 x 2.5mm²
- bus connection: 9V DC (SELV, safety extra low voltage); 2 terminals: per terminal, max. 2 x 1.5mm²
- mounting: the modules can be mounted both centrally and decentrally in a distribution box
- dimensions: 14U
- non-volatile EEPROM memory
- CE approved

COMPLETE UNIT

05-001-02	Pieces: 1	Complete unit

ACCESSORIES

05-000-19	Pieces: 1	EEPROM memory for switching and shutter module

Simple wall-mounted printed circuit board with bridge

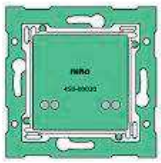
For connection of a simple or double bus push button in an existing flush mounting box or for use on very uneven surfaces. In case of renovation, several wall-mounted prints with bridge can be clicked together if existing flush mounting boxes are used. The wall-mounted printed circuit board with bridge can be combined with all other Niko flush mounting appliances.

- connector: 4-pole
- bus push button mounting: click mechanism
- wall attachment: screws or claws

COMPLETE UNIT

450-00021	Pieces: 6	Simple wall-mounted printed circuit board with bridge

Simple wall-mounted printed circuit board with connector



The wall-mounted printed circuit board contains all electrical and mechanical elements that are required to connect the bus push button to the bus and to send telegrams. A Nikobus wall-mounted printed circuit board is mounted on a simple standard flush mounting box for horizontal screw fixing.
The wall-mounted print is supplied with a 4-pole connector (2 for Nikobus, 2 for LED or IR bus push-button power supply) as a standard. A set of claws for boxes without screw fixing can be ordered separately.

- connector: 4-pole
- bus push button mounting: click mechanism
- wall attachment: screws or a set of claws

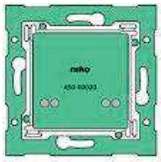
WALL-MOUNTED PRINTED CIRCUIT BOARDS

450-00020	Pieces: 10	Simple wall-mounted printed circuit board

ACCESSORIES

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

Wall-mounted printed circuit boards for combination with connection unit



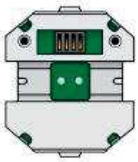
A Nikobus wall-mounted printed circuit board is mounted on a simple standard flush mounting box for horizontal screw fixing. For mounting of multiple flush surround plates, no additional flush mounting boxes are required. From the flush mounting box, you can work from bottom, top, left or right. This makes the Nikobus push buttons extendable without any drilling or channeling work.
A set of claws for boxes without screw fixing can be ordered separately.
Note: always order a connection unit for the wall-mounted printed circuit boards. The connection unit provides the connection between wall-mounted print and bus.

- connector: 4-pole
- bus push-button mounting: click mechanism
- wall attachment: screws or a set of claws

WALL-MOUNTED PRINTED CIRCUIT BOARDS

450-00022	Pieces: 10	Simple wall mounted printed circuit board
450-00023	Pieces: 10	Double horizontal wall-mounted printed circuit board
450-00024	Pieces: 10	Double vertical wall-mounted printed circuit board
450-00025	Pieces: 10	Double horizontal wall-mounted printed circuit board, centre distance 71mm
450-00026	Pieces: 10	Triple horizontal wall-mounted printed circuit board
450-00027	Pieces: 10	Triple vertical wall-mounted printed circuit board
450-00028	Pieces: 10	Triple vertical wall-mounted printed circuit board, centre distance 71mm
450-00029	Pieces: 1	Quadruple horizontal wall-mounted printed circuit board

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



Connection unit for Nikobus wall-mounted printed circuit boards

Connects the bus with the wall-mounted printed circuit board. Can be placed in any position in case of multiple circuit boards.
The connection unit is required for the wall-mounted printed circuit boards (not in case of 450-00020 and 450-00021).

COMPLETE UNIT

450-00060	Pieces: 6	Connexion unit for wall-mounted printed circuits boards

ACCESSORIES

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

2 control keys

In the Nikobus system, the bus push buttons are information transmitters. The Nikobus push button does not require any programming. Each bus push button has a unique address. The bus push button is fixed to the wall-mounted printed circuit board via a click mechanism. Contact springs provide the connection between the bus push button and the wall-mounted printed circuit board.
This bus push button enables the activation of 2 controls. The keys must be ordered separately.

- ambient temperature: 0 to 50°C
- bus connection: 9V DC (SELV, safety extra low voltage)
- address: 22bit (±4 million different codes)
- max. control time: 8s
- min. control time: 0.5s
- connection to Nikobus: 2-wire connection

Replaces 05-060 and 4X-072.

BASE

05-060-01 Pieces: 6

SIMPLE KEY

100-00001	Pieces: 10	**101-00001**	Pieces: 10	**102-00001**	Pieces: 10
103-00001	Pieces: 10	**104-00001**	Pieces: 10	**121-00001**	Pieces: 10
122-00001	Pieces: 10	**123-00001**	Pieces: 10	**124-00001**	Pieces: 10
154-00001	Pieces: 10	**157-00001**	Pieces: 10	**161-00001**	Pieces: 10

SIMPLE KEY WITH I AND 0

100-00002	Pieces: 10	**101-00002**	Pieces: 10	**102-00002**	Pieces: 10
103-00002	Pieces: 10	**104-00002**	Pieces: 10	**121-00002**	Pieces: 10
122-00002	Pieces: 10	**123-00002**	Pieces: 10	**124-00002**	Pieces: 10
154-00002	Pieces: 10	**157-00002**	Pieces: 10	**161-00002**	Pieces: 10

SIMPLE KEY WITH I/0

100-00003	Pieces: 10	**101-00003**	Pieces: 10	**102-00003**	Pieces: 10
103-00003	Pieces: 10	**104-00003**	Pieces: 10	**121-00003**	Pieces: 10
122-00003	Pieces: 10	**123-00003**	Pieces: 10	**124-00003**	Pieces: 10
154-00003	Pieces: 10	**157-00003**	Pieces: 10	**161-00003**	Pieces: 10

SIMPLE KEY WITH 'UP' AND 'DOWN'

100-00004	Pieces: 10	**101-00004**	Pieces: 10	**102-00004**	Pieces: 10
103-00004	Pieces: 10	**104-00004**	Pieces: 10	**121-00004**	Pieces: 10
122-00004	Pieces: 10	**123-00004**	Pieces: 10	**124-00004**	Pieces: 10
154-00004	Pieces: 10	**157-00004**	Pieces: 10	**161-00004**	Pieces: 10

SIMPLE KEY WITH 'UP'/'DOWN'

100-00005	Pieces: 10	**101-00005**	Pieces: 10	**102-00005**	Pieces: 10
103-00005	Pieces: 10	**104-00005**	Pieces: 10	**121-00005**	Pieces: 10
122-00005	Pieces: 10	**123-00005**	Pieces: 10	**124-00005**	Pieces: 10
154-00005	Pieces: 10	**157-00005**	Pieces: 10	**161-00005**	Pieces: 10

SIMPLE KEY WITH TEXT FIELD

100-00006	Pieces: 10	**101-00006**	Pieces: 10	**102-00006**	Pieces: 10
103-00006	Pieces: 10	**104-00006**	Pieces: 10	**121-00006**	Pieces: 10
122-00006	Pieces: 10	**123-00006**	Pieces: 10	**124-00006**	Pieces: 10
154-00006	Pieces: 10	**157-00006**	Pieces: 10	**161-00006**	Pieces: 10

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

2 control keys + 1 LED

In the Nikobus system, the bus push buttons are information transmitters. The Nikobus push button does not require any programming. Each bus push button has a unique address. The bus push button is fixed to the wall-mounted printed circuit board via a click mechanism. Contact springs provide the connection between the bus push button and the wall-mounted printed circuit board.
This bus push button enables the activation of 2 controls. The feedback is connected to the additional connection terminals on the switch module 05-000-02. The keys must be ordered separately.

- ambient temperature: 0 to 50°C
- bus connection: 9V DC (SELV, safety extra low voltage)
- address: 22bit (±4 million different codes)
- max. operation time: 8s
- min. operation time: 0.5s
- connection to Nikobus: 2-wire connection and additional cable per LED

Replaces 05-061

BASE

05-061-01 Pieces: 6

SIMPLE KEY

100-00024	Pieces: 10	**101-00024**	Pieces: 10	**102-00024**	Pieces: 10
103-00024	Pieces: 10	**104-00024**	Pieces: 10	**121-00024**	Pieces: 10
122-00024	Pieces: 10	**123-00024**	Pieces: 10	**124-00024**	Pieces: 10
154-00024	Pieces: 10	**157-00024**	Pieces: 10	**161-00024**	Pieces: 10

SIMPLE KEY WITH I AND 0

100-00025	Pieces: 10	**101-00025**	Pieces: 10	**102-00025**	Pieces: 10
103-00025	Pieces: 10	**104-00025**	Pieces: 10	**121-00025**	Pieces: 10
122-00025	Pieces: 10	**123-00025**	Pieces: 10	**124-00025**	Pieces: 10
154-00025	Pieces: 10	**157-00025**	Pieces: 10	**161-00025**	Pieces: 10

SIMPLE KEY WITH I/0

100-00026	Pieces: 10	**101-00026**	Pieces: 10	**102-00026**	Pieces: 10
103-00026	Pieces: 10	**104-00026**	Pieces: 10	**121-00026**	Pieces: 10
122-00026	Pieces: 10	**123-00026**	Pieces: 10	**124-00026**	Pieces: 10
154-00026	Pieces: 10	**157-00026**	Pieces: 10	**161-00026**	Pieces: 10

SIMPLE KEY WITH 'UP' AND 'DOWN'

100-00027	Pieces: 10	**101-00027**	Pieces: 10	**102-00027**	Pieces: 10
103-00027	Pieces: 10	**104-00027**	Pieces: 10	**121-00027**	Pieces: 10
122-00027	Pieces: 10	**123-00027**	Pieces: 10	**124-00027**	Pieces: 10
154-00027	Pieces: 10	**157-00027**	Pieces: 10	**161-00027**	Pieces: 10

SIMPLE KEY WITH 'UP'/'DOWN'

100-00028	Pieces: 10	**101-00028**	Pieces: 10	**102-00028**	Pieces: 10
103-00028	Pieces: 10	**104-00028**	Pieces: 10	**121-00028**	Pieces: 10
122-00028	Pieces: 10	**123-00028**	Pieces: 10	**124-00028**	Pieces: 10
154-00028	Pieces: 10	**157-00028**	Pieces: 10	**161-00028**	Pieces: 10

SIMPLE KEY WITH TEXT FIELD

100-00029	Pieces: 10	**101-00029**	Pieces: 10	**102-00029**	Pieces: 10
103-00029	Pieces: 10	**104-00029**	Pieces: 10	**121-00029**	Pieces: 10
122-00029	Pieces: 10	**123-00029**	Pieces: 10	**124-00029**	Pieces: 10
154-00029	Pieces: 10	**157-00029**	Pieces: 10	**161-00029**	Pieces: 10

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

2 control keys with 2 feedback LEDs

In the Nikobus system, the bus push buttons are information transmitters. The Nikobus push button does not require any programming. Each bus push button has a unique address. The bus push button is fixed to the wall-mounted printed circuit board via a click mechanism. Contact springs provide the connection between the bus push button and the wall-mounted printed circuit board.
This bus push button enables the activation of 2 controls. Feedback via the feedback module 05-207. The keys must be ordered separately.

- ambient temperature: 0 to 50°C
- bus connection: 9V DC (SELV, safety extra low voltage)
- address: 22bit (±4 million different codes)
- max. operation time: 8s
- min. operation time: 0.5s
- connection: 4-wire connection
- power supply LEDs: 8-16V AC/DC

BASE

05-060-02 Pieces: 6

SIMPLE KEY

100-00024	Pieces: 10	**101-00024**	Pieces: 10	**102-00024**	Pieces: 10
103-00024	Pieces: 10	**104-00024**	Pieces: 10	**121-00024**	Pieces: 10
122-00024	Pieces: 10	**123-00024**	Pieces: 10	**124-00024**	Pieces: 10
154-00024	Pieces: 10	**157-00024**	Pieces: 10	**161-00024**	Pieces: 10

SIMPLE KEY WITH I AND 0

100-00025	Pieces: 10	**101-00025**	Pieces: 10	**102-00025**	Pieces: 10
103-00025	Pieces: 10	**104-00025**	Pieces: 10	**121-00025**	Pieces: 10
122-00025	Pieces: 10	**123-00025**	Pieces: 10	**124-00025**	Pieces: 10
154-00025	Pieces: 10	**157-00025**	Pieces: 10	**161-00025**	Pieces: 10

SIMPLE KEY WITH I/0

100-00026	Pieces: 10	**101-00026**	Pieces: 10	**102-00026**	Pieces: 10
103-00026	Pieces: 10	**104-00026**	Pieces: 10	**121-00026**	Pieces: 10
122-00026	Pieces: 10	**123-00026**	Pieces: 10	**124-00026**	Pieces: 10
154-00026	Pieces: 10	**157-00026**	Pieces: 10	**161-00026**	Pieces: 10

SIMPLE KEY WITH 'UP' AND 'DOWN'

100-00027	Pieces: 10	**101-00027**	Pieces: 10	**102-00027**	Pieces: 10
103-00027	Pieces: 10	**104-00027**	Pieces: 10	**121-00027**	Pieces: 10
122-00027	Pieces: 10	**123-00027**	Pieces: 10	**124-00027**	Pieces: 10
154-00027	Pieces: 10	**157-00027**	Pieces: 10	**161-00027**	Pieces: 10

SIMPLE KEY WITH 'UP'/'DOWN'

100-00028	Pieces: 10	**101-00028**	Pieces: 10	**102-00028**	Pieces: 10
103-00028	Pieces: 10	**104-00028**	Pieces: 10	**121-00028**	Pieces: 10
122-00028	Pieces: 10	**123-00028**	Pieces: 10	**124-00028**	Pieces: 10
154-00028	Pieces: 10	**157-00028**	Pieces: 10	**161-00028**	Pieces: 10

SIMPLE KEY WITH TEXT FIELD

100-00029	Pieces: 10	**101-00029**	Pieces: 10	**102-00029**	Pieces: 10
103-00029	Pieces: 10	**104-00029**	Pieces: 10	**121-00029**	Pieces: 10
122-00029	Pieces: 10	**123-00029**	Pieces: 10	**124-00029**	Pieces: 10
154-00029	Pieces: 10	**157-00029**	Pieces: 10	**161-00029**	Pieces: 10

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

2 control keys with IR receiver

In the Nikobus system, the bus push buttons are information transmitters. The Nikobus push button does not require any programming. Each bus push button has a unique address. The bus push button is fixed to the wall-mounted printed circuit board via a click mechanism. Contact springs provide the connection between the bus push button and the wall-mounted printed circuit board.
This bus push button enables the activation of 2 controls. The keys must be ordered separately.

- ambient temperature: 0 to 50°C
- bus connection: 9V DC (SELV, safety extra low voltage)
- address: 22bit (±4 million different codes)
- max. operation time: 8s
- min. operation time: 0.5s
- connection: 4-wire connection
- power supply: min. 10.5V DC - max. 20V DC

Replaces 05-081

BASE

05-081-01 Pieces: 6

SIMPLE KEY

100-00022	Pieces: 10	**101-00022**	Pieces: 10	**102-00022**	Pieces: 10
103-00022	Pieces: 10	**104-00022**	Pieces: 10	**121-00022**	Pieces: 10
122-00022	Pieces: 10	**123-00022**	Pieces: 10	**124-00022**	Pieces: 10
154-00022	Pieces: 10	**157-00022**	Pieces: 10	**161-00022**	Pieces: 10

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

4 control keys

In the Nikobus system, the bus push buttons are information transmitters. The Nikobus push button does not require any programming. Each bus push button has a unique address. The bus push button is fixed to the wall-mounted printed circuit board via a click mechanism. Contact springs provide the connection between the bus push button and the wall-mounted printed circuit board.
This bus push button enables the activation of 4 controls. The keys must be ordered separately.

- ambient temperature: 0 to 50°C
- bus connection: 9V DC (SELV, safety extra low voltage)
- address: 22bit (±4 million different codes)
- max. operation time: 8s
- min. operation time: 0.5s
- connection to Nikobus: 2-wire connection

Replaces 05-064 and 4X-074.

BASE

05-064-01 Pieces: 6

DOUBLE KEY

100-00007 Pieces: 10	**101-00007** Pieces: 10	**102-00007** Pieces: 10
103-00007 Pieces: 10	**104-00007** Pieces: 10	**121-00007** Pieces: 10
122-00007 Pieces: 10	**123-00007** Pieces: 10	**124-00007** Pieces: 10
154-00007 Pieces: 10	**157-00007** Pieces: 10	**161-00007** Pieces: 10

DOUBLE KEY WITH I AND 0

100-00008 Pieces: 10	**101-00008** Pieces: 10	**102-00008** Pieces: 10
103-00008 Pieces: 10	**104-00008** Pieces: 10	**121-00008** Pieces: 10
122-00008 Pieces: 10	**123-00008** Pieces: 10	**124-00008** Pieces: 10
154-00008 Pieces: 10	**157-00008** Pieces: 10	**161-00008** Pieces: 10

DOUBLE KEY WITH I/0

100-00009 Pieces: 10	**101-00009** Pieces: 10	**102-00009** Pieces: 10
103-00009 Pieces: 10	**104-00009** Pieces: 10	**121-00009** Pieces: 10
122-00009 Pieces: 10	**123-00009** Pieces: 10	**124-00009** Pieces: 10
154-00009 Pieces: 10	**157-00009** Pieces: 10	**161-00009** Pieces: 10

DOUBLE KEY WITH 'UP' AND 'DOWN'

100-00010 Pieces: 10	**101-00010** Pieces: 10	**102-00010** Pieces: 10
103-00010 Pieces: 10	**104-00010** Pieces: 10	**121-00010** Pieces: 10
122-00010 Pieces: 10	**123-00010** Pieces: 10	**124-00010** Pieces: 10
154-00010 Pieces: 10	**157-00010** Pieces: 10	**161-00010** Pieces: 10

DOUBLE KEY WITH 'UP'/'DOWN'

100-00011 Pieces: 10	**101-00011** Pieces: 10	**102-00011** Pieces: 10
103-00011 Pieces: 10	**104-00011** Pieces: 10	**121-00011** Pieces: 10
122-00011 Pieces: 10	**123-00011** Pieces: 10	**124-00011** Pieces: 10
154-00011 Pieces: 10	**157-00011** Pieces: 10	**161-00011** Pieces: 10

DOUBLE KEY WITH LABEL

100-00012 Pieces: 10	**101-00012** Pieces: 10	**102-00012** Pieces: 10
103-00012 Pieces: 10	**104-00012** Pieces: 10	**121-00012** Pieces: 10
122-00012 Pieces: 10	**123-00012** Pieces: 10	**124-00012** Pieces: 10
154-00012 Pieces: 10	**157-00012** Pieces: 10	**161-00012** Pieces: 10

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

DOUBLE KEY WITH VENTILATOR INDICATION 0 UP TO AND INCL. 3

100-00013	Pieces: 10	101-00013	Pieces: 10	102-00013	Pieces: 10
103-00013	Pieces: 10	104-00013	Pieces: 10	121-00013	Pieces: 10
122-00013	Pieces: 10	123-00013	Pieces: 10	124-00013	Pieces: 10
154-00013	Pieces: 10	157-00013	Pieces: 10	161-00013	Pieces: 10

4 control keys with 4 feedback LEDs

In the Nikobus system, the bus push buttons are information transmitters. The Nikobus push button does not require any programming. Each bus push button has a unique address. The bus push button is fixed to the wall-mounted printed circuit board via a click mechanism. Contact springs provide the connection between the bus push button and the wall-mounted printed circuit board.
This bus push button enables the activation of 4 controls. Feedback via the feedback module 05-207. The keys must be ordered separately.

- ambient temperature: 0 to 50°C
- bus connection: 9V DC (SELV, safety extra low voltage)
- address: 22bit (±4 million different codes)
- max. operation time: 8s
- min. operation time: 0.5s
- connection to Nikobus: 4-wire connection
- power supply LEDs: 8-16V AC/DC

BASE

05-064-02 Pieces: 6

DOUBLE KEY

100-00033	Pieces: 10	101-00033	Pieces: 10	102-00033	Pieces: 10
103-00033	Pieces: 10	104-00033	Pieces: 10	121-00033	Pieces: 10
122-00033	Pieces: 10	123-00033	Pieces: 10	124-00033	Pieces: 10
154-00033	Pieces: 10	157-00033	Pieces: 10	161-00033	Pieces: 10

DOUBLE KEY WITH I AND 0

100-00034	Pieces: 10	101-00034	Pieces: 10	102-00034	Pieces: 10
103-00034	Pieces: 10	104-00034	Pieces: 10	121-00034	Pieces: 10
122-00034	Pieces: 10	123-00034	Pieces: 10	124-00034	Pieces: 10
154-00034	Pieces: 10	157-00034	Pieces: 10	161-00034	Pieces: 10

DOUBLE KEY WITH I/0

100-00035	Pieces: 10	101-00035	Pieces: 10	102-00035	Pieces: 10
103-00035	Pieces: 10	104-00035	Pieces: 10	121-00035	Pieces: 10
122-00035	Pieces: 10	123-00035	Pieces: 10	124-00035	Pieces: 10
154-00035	Pieces: 10	157-00035	Pieces: 10	161-00035	Pieces: 10

DOUBLE KEY WITH 'UP' AND 'DOWN'

100-00036	Pieces: 10	101-00036	Pieces: 10	102-00036	Pieces: 10
103-00036	Pieces: 10	104-00036	Pieces: 10	121-00036	Pieces: 10
122-00036	Pieces: 10	123-00036	Pieces: 10	124-00036	Pieces: 10
154-00036	Pieces: 10	157-00036	Pieces: 10	161-00036	Pieces: 10

DOUBLE KEY WITH 'UP'/'DOWN'

100-00037	Pieces: 10	101-00037	Pieces: 10	102-00037	Pieces: 10
103-00037	Pieces: 10	104-00037	Pieces: 10	121-00037	Pieces: 10
122-00037	Pieces: 10	123-00037	Pieces: 10	124-00037	Pieces: 10
154-00037	Pieces: 10	157-00037	Pieces: 10	161-00037	Pieces: 10

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

DOUBLE KEY WITH LABEL

100-00038	Pieces: 10	**101-00038**	Pieces: 10	**102-00038**	Pieces: 10
103-00038	Pieces: 10	**104-00038**	Pieces: 10	**121-00038**	Pieces: 10
122-00038	Pieces: 10	**123-00038**	Pieces: 10	**124-00038**	Pieces: 10
154-00038	Pieces: 10	**157-00038**	Pieces: 10	**161-00038**	Pieces: 10

4 control keys with 4 feedback LEDs for regime print

In the Nikobus system, the bus push buttons are information transmitters. The Nikobus push button does not require any programming. Each bus push button has a unique address. The bus push button is fixed to the wall-mounted printed circuit board via a click mechanism. Contact springs provide the connection between the bus push button and the wall-mounted printed circuit board. This bus push button enables the activation of 4 controls. Regime feedback via the PC Link 05-200. Simple selection between week regime, weekend regime, presence regime and exceptional regime. The keys must be ordered separately.

- ambient temperature: 0 to 50°C
- bus connection: 9V DC (SELV, safety extra low voltage)
- address: 22bit (±4 million different codes)
- max. operation time: 8s
- min. operation time: 0.5s
- connection to Nikobus: 4-wire connection
- power supply LEDs: 8-16V AC/DC

Replaces 05-074

BASE

05-074-01 Pieces: 6

DOUBLE KEY WITH REGIME PRINT

100-00099	Pieces: 10	**101-00099**	Pieces: 10	**102-00099**	Pieces: 10
103-00099	Pieces: 10	**104-00099**	Pieces: 10	**121-00099**	Pieces: 10
122-00099	Pieces: 10	**123-00099**	Pieces: 10	**124-00099**	Pieces: 10
154-00099	Pieces: 10	**157-00099**	Pieces: 10	**161-00099**	Pieces: 10

4 control keys with IR receiver

In the Nikobus system, the bus push buttons are information transmitters. The Nikobus push button does not require any programming. Each bus push button has a unique address. The bus push button is fixed to the wall-mounted printed circuit board via a click mechanism. Contact springs provide the connection between the bus push button and the wall-mounted printed circuit board.
This bus push button enables the activation of 4 controls. The keys must be ordered separately.

- ambient temperature: 0 to 50°C
- bus connection: 9V DC (SELV, safety extra low voltage)
- address: 22bit (±4 million different codes)
- max. operation time: 8s
- min. operation time: 0.5s
- connection to Nikobus: 4-wire connection
- power supply: min. 10.5V DC - max. 20V DC

Replaces 05-085

BASE

05-085-01 Pieces: 6

DOUBLE KEY

100-00032	Pieces: 10	**101-00032**	Pieces: 10	**102-00032**	Pieces: 10
103-00032	Pieces: 10	**104-00032**	Pieces: 10	**121-00032**	Pieces: 10
122-00032	Pieces: 10	**123-00032**	Pieces: 10	**124-00032**	Pieces: 10
154-00032	Pieces: 10	**157-00032**	Pieces: 10	**161-00032**	Pieces: 10

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

4 contact keys with IR receiver and identical addresses

In the Nikobus system, the bus push buttons are information transmitters. The Nikobus push button does not require any programming. Each bus push button has a unique address. The bus push button is fixed to the wall-mounted printed circuit board via a click mechanism. Contact springs provide the connection between the bus push button and the wall-mounted printed circuit board.
This bus push button enables the activation of 4 controls.
Moreover, it is possible to call up the same actions from different locations without the need to reprogram each time. If you wish to program several actions for one project by using IR bus push buttons with identical addresses, then you can group them together. The keys must be ordered separately.

- ambient temperature: 0 to 50°C
- bus connection: 9V DC (SELV, safety extra low voltage)
- address: 22bit (±4 million different codes)
- max. operation time: 8s
- min. operation time: 0.5s
- connection to Nikobus: 4-wire connection
- power supply: min. 10.5V DC - max. 20V DC

Replaces 05-091 up to and incl. 05-095

BASE

05-091-01 Pieces: 6

DOUBLE KEY

100-00032	Pieces: 10	**101-00032**	Pieces: 10	**102-00032**	Pieces: 10
103-00032	Pieces: 10	**104-00032**	Pieces: 10	**121-00032**	Pieces: 10
122-00032	Pieces: 10	**123-00032**	Pieces: 10	**124-00032**	Pieces: 10
154-00032	Pieces: 10	**157-00032**	Pieces: 10	**161-00032**	Pieces: 10

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

8 control keys

In the Nikobus system, the bus push buttons are information transmitters. The Nikobus push button does not require any programming. Each bus push button has a unique address. The bus push button is fixed to the wall-mounted printed circuit board via a click mechanism. Contact springs provide the connection between the bus push button and the wall-mounted printed circuit board.
This bus push button enables the activation of 8 controls. The keys must be ordered separately.

- ambient temperature: 0 to 50°C
- bus connection: 9V DC (SELV, safety extra low voltage)
- address: 22bit (±4 million different codes)
- max. operation time: 8s
- min. operation time: 0.5s
- connection to Nikobus: 2-wire connection

Replaces 4X-078.

BASE

05-078-01 Pieces: 6

4-FOLD KEY

100-00015	Pieces: 10	**101-00015**	Pieces: 10	**102-00015**	Pieces: 10
103-00015	Pieces: 10	**104-00015**	Pieces: 10	**121-00015**	Pieces: 10
122-00015	Pieces: 10	**123-00015**	Pieces: 10	**124-00015**	Pieces: 10
154-00015	Pieces: 10	**157-00015**	Pieces: 10	**161-00015**	Pieces: 10

4-FOLD KEY WITH I AND 0

100-00016	Pieces: 10	**101-00016**	Pieces: 10	**102-00016**	Pieces: 10
103-00016	Pieces: 10	**104-00016**	Pieces: 10	**121-00016**	Pieces: 10
122-00016	Pieces: 10	**123-00016**	Pieces: 10	**124-00016**	Pieces: 10
154-00016	Pieces: 10	**157-00016**	Pieces: 10	**161-00016**	Pieces: 10

4-FOLD KEY WITH I/0

100-00017	Pieces: 10	**101-00017**	Pieces: 10	**102-00017**	Pieces: 10
103-00017	Pieces: 10	**104-00017**	Pieces: 10	**121-00017**	Pieces: 10
122-00017	Pieces: 10	**123-00017**	Pieces: 10	**124-00017**	Pieces: 10
154-00017	Pieces: 10	**157-00017**	Pieces: 10	**161-00017**	Pieces: 10

4-FOLD KEY WITH 'UP' AND 'DOWN'

100-00018	Pieces: 10	**101-00018**	Pieces: 10	**102-00018**	Pieces: 10
103-00018	Pieces: 10	**104-00018**	Pieces: 10	**121-00018**	Pieces: 10
122-00018	Pieces: 10	**123-00018**	Pieces: 10	**124-00018**	Pieces: 10
154-00018	Pieces: 10	**157-00018**	Pieces: 10	**161-00018**	Pieces: 10

4-FOLD KEY WITH 'UP'/'DOWN'

100-00019	Pieces: 10	**101-00019**	Pieces: 10	**102-00019**	Pieces: 10
103-00019	Pieces: 10	**104-00019**	Pieces: 10	**121-00019**	Pieces: 10
122-00019	Pieces: 10	**123-00019**	Pieces: 10	**124-00019**	Pieces: 10
154-00019	Pieces: 10	**157-00019**	Pieces: 10	**161-00019**	Pieces: 10

4-FOLD KEY WITH 1 TO 8

100-00020	Pieces: 10	**101-00020**	Pieces: 10	**102-00020**	Pieces: 10
103-00020	Pieces: 10	**104-00020**	Pieces: 10	**121-00020**	Pieces: 10
122-00020	Pieces: 10	**123-00020**	Pieces: 10	**124-00020**	Pieces: 10
154-00020	Pieces: 10	**157-00020**	Pieces: 10	**161-00020**	Pieces: 10

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

8 control keys with 8 feedback LEDs

In the Nikobus system, the bus push buttons are information transmitters. The Nikobus push button does not require any programming. Each bus push button has a unique address. The bus push button is fixed to the wall-mounted printed circuit board via a click mechanism. Contact springs provide the connection between the bus push button and the wall-mounted printed circuit board.
This bus push button enables the activation of 8 controls. Feedback via the feedback module 05-207. The keys must be ordered separately.

- ambient temperature: 0 to 50°C
- bus connection: 9V DC (SELV, safety extra low voltage)
- address: 22bit (±4 million different codes)
- max. operation time: 8s
- min. operation time: 0.5s
- connection to Nikobus: 4-wire connection
- power supply LEDs: 8-16V AC/DC

BASE

05-078-02 Pieces: 6

4-FOLD KEY

100-00042	Pieces: 10	**101-00042**	Pieces: 10	**102-00042**	Pieces: 10
103-00042	Pieces: 10	**104-00042**	Pieces: 10	**121-00042**	Pieces: 10
122-00042	Pieces: 10	**123-00042**	Pieces: 10	**124-00042**	Pieces: 10
154-00042	Pieces: 10	**157-00042**	Pieces: 10	**161-00042**	Pieces: 10

4-FOLD KEY WITH I AND 0

100-00043	Pieces: 10	**101-00043**	Pieces: 10	**102-00043**	Pieces: 10
103-00043	Pieces: 10	**104-00043**	Pieces: 10	**121-00043**	Pieces: 10
122-00043	Pieces: 10	**123-00043**	Pieces: 10	**124-00043**	Pieces: 10
154-00043	Pieces: 10	**157-00043**	Pieces: 10	**161-00043**	Pieces: 10

4-FOLD KEY WITH I/0

100-00044	Pieces: 10	**101-00044**	Pieces: 10	**102-00044**	Pieces: 10
103-00044	Pieces: 10	**104-00044**	Pieces: 10	**121-00044**	Pieces: 10
122-00044	Pieces: 10	**123-00044**	Pieces: 10	**124-00044**	Pieces: 10
154-00044	Pieces: 10	**157-00044**	Pieces: 10	**161-00044**	Pieces: 10

4-FOLD KEY WITH 'UP' AND 'DOWN'

100-00045	Pieces: 10	**101-00045**	Pieces: 10	**102-00045**	Pieces: 10
103-00045	Pieces: 10	**104-00045**	Pieces: 10	**121-00045**	Pieces: 10
122-00045	Pieces: 10	**123-00045**	Pieces: 10	**124-00045**	Pieces: 10
154-00045	Pieces: 10	**157-00045**	Pieces: 10	**161-00045**	Pieces: 10

4-FOLD KEY WITH 'UP'/'DOWN'

100-00046	Pieces: 10	**101-00046**	Pieces: 10	**102-00046**	Pieces: 10
103-00046	Pieces: 10	**104-00046**	Pieces: 10	**121-00046**	Pieces: 10
122-00046	Pieces: 10	**123-00046**	Pieces: 10	**124-00046**	Pieces: 10
154-00046	Pieces: 10	**157-00046**	Pieces: 10	**161-00046**	Pieces: 10

4-FOLD KEY WITH 1 TO 8

100-00047	Pieces: 10	**101-00047**	Pieces: 10	**102-00047**	Pieces: 10
103-00047	Pieces: 10	**104-00047**	Pieces: 10	**121-00047**	Pieces: 10
122-00047	Pieces: 10	**123-00047**	Pieces: 10	**124-00047**	Pieces: 10
154-00047	Pieces: 10	**157-00047**	Pieces: 10	**161-00047**	Pieces: 10

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

4 channels, 4 control keys

This IR hand-held transmitter enables the activation of 4 controls per channel. With Nikobus, 16 functions can be programmed. The IR signals are confined to the room in which the remote control is used. The hand-held transmitter is equipped with a control LED.

- control keys: 4 x 4
- power supply: not incl. 2 batteries 1.5V type AAA-LR03

COMPLETE UNIT

05-088	Pieces: 1	Complete unit

PC Link - Calendar unit with PC control

PC-Link is a modular interface between the pc and a Nikobus installation. The basic functions are presence simulation, time and calendar functions. The configuration is carried out via the pc. Afterwards, you can disconnect the pc from the installation. The DCF77 receiver (optional) makes sure the clock automatically switches from winter to summer time. Manual correction is possible. Via this module, you can remotely carry out a programming. You only have to connect a modem (Hayes compatible). Different adapters (connectors for pc and modem) and Nikobus software are supplied as a standard.

- ambient temperature: 0 to 50°C
- available calendar regimes: weekday regime, weekend regime, continuous regime, exceptional regime, presence simulation
- number of time switches: 100 channels, 500 time blocks
- power supply voltage: 230V/5W; 2 terminals: per terminal, max. 4 x 1.5mm² or 2 x 2.5mm²
- bus connection: 9V DC (SELV, safety extra low voltage); 2 terminals: per terminal, max. 2 x 1.5mm²
- mounting: the modules can be mounted both centrally and decentrally in a distribution box
- dimensions: 4U
- CE approved

COMPLETE UNIT

05-200 Pieces: 1 Complete unit

PC Logic - Logic unit with PC control

The strength of this module lies in its numerous logical functions. Working with conditions is no problem. There are 6 digital inputs for reading external contacts and sensors. The module is configurated via the pc, that can be disconnected afterwards. A pc adapter (connector) and Nikobus software are supplied as a standard. The logical module is provided with 2 bus connections. On the first bus, all outputs are connected, on the second bus, all controls are connected.

- ambient temperature: 0 to 50°C
- available logical ports: 64 ports, max. 12 inputs per port, 6 independant digital inputs
- power supply voltage: 230V/5W; 2 terminals: per terminal max. 4 x 1.5mm² or 2 x 2.5mm²
- bus connection: 2 bus connections, 9V DC (SELV, safety extra low voltage); 2 x 2 terminals: per terminal, max. 2 x 1.5mm²
- mounting: the modules can be mounted both centrally and decentrally in a distribution box
- dimensions: 4U
- CE approved

COMPLETE UNIT

05-201 Pieces: 1 Complete unit

Nikobus software

The Nikobus software is user-friendely and intuitively structured. Making errors during programming is not possible. The software is conveniently arranged. The print of a report is a clear documentation for your Nikobus installation. You can choose between the following languages: Dutch, French, English, German, Spanish or Slovak.

Min. configuration: Pentium 100Mhz, 32MbRAM, SVGA 800x600
Compatible with Windows 95, 98 2000, NT, Millenium, XP

To be used in combination with the PC-link (05-200), PC-logic (05-201) and the feedback module (05-207). The Nikobus software is always supplied together with these modules. Please check the website for the most recent version of this software.

SMS modem

Modem for SMS link, always to be used in combination with the PC-Logic (05-201).

The SMS modem with PC-Logic makes remote control possible. You can program 10 commands, each consisting of 4 digits and a max. of 25 other characters. The SMS modem warns you in case of alarm situations. You can program 10 messages of max. 150 characters each which will be sent to max. 4 mobile phone numbers in emergency situations. To be able to make use of the SMS link, the SMS modem requires a SIM card (subscription or prepay) This card is not included in the package. The wall-holder, adapter, mobile phone antenna and connection cables are supplied standard. The software that is required for programming is integrated in the Nikobus software.

COMPLETE UNIT

05-203-01 Pieces: 1 Complete unit

Touch screen

With the Nikobus touch screen, you can control your home automation system in a very simple way. The screen can easily be mounted to the wall. Only 1 flush mounting box has to be provided. The touch screen is supplied incl. adapter cable for the power supply and a plug for connection to the feedback module (05-207). Max. 5 touch screens per installation. Max. 60 2-button functions programmable.

- dimensions: H140mm x B226mm x D20mm
- weight: ±850g
- power supply voltage: 12V DC, 1.5A
- operating temperature: -5 to 45°C
- IP class: IP21

COMPLETE UNIT

05-096	Pieces: 1	Complete unit

Feedback module

This DIN rail module enables to connect the feedback keys or the touch screen and the Nikobus installation. In case one feedback module is used, max. 24 bus push buttons with feedback and 1 touchscreen can be integrated in the installation. Max. 5 feedback modules per installation. Programming can only be carried out via PC.

- power supply voltage: 230V AC ±10%/50Hz
- dimensions: 4U (H70mm x W90mm x D62mm)
- mounting: DIN-rail
- weight: ± 250g
- bus connection: 2 terminals, per terminal, max. 2 x 1.5mm²
- bus voltage: 9V DC, SELV
- RJ12 connector: connection for touch screen or PC

COMPLETE UNIT

05-207	Pieces: 1	Complete unit

Nikobus extension with the RF system

This RF receiver enables to use all RF wall-mounted transmitters (wireless) and RF hand-held transmitters with the Nikobus home automation system. Only 1 modular RF interface has to be provided in the installation. See chapter on wireless control.

- reception range: ±30m indoors, 100m in open spaces
- power supply: 230V/1W
- dimensions: 4U

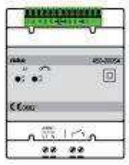
COMPLETE UNIT

05-300	Pieces: 6	Complete unit

ACCESSORIES

05-309	Pieces: 5	External antenna with connector

1-channel telephone interface



The telephone interface is provided with two input contacts for passing alarm or interference reporting. Three individual numbers can be called per input. You can choose between three languages: Dutch, French and English. Via an input contact, a remote switching can be carried out. By means of the switch on the front, the interface can be controlled manually. A second button is used to (de)activate the interface manually. Provided with two LEDs for status indication.

replaces 05-190 and 05-191

- power supply telephone interface: 230V AC, 1.5VA
- relay contact: 10A
- bell frequency: 23Hz to 54Hz
- ambient temperature: -5 to 45°C
- European quality approvals: C TR 21, BAPT 23 ZV 5, 73/23/EWG, 89/336/EWG
- dimensions: 4U

COMPLETE UNIT

450-00064	Pieces: 1	Complete unit

Binary interface with LCD display

This binary input module is provided with 6 digital inputs for potential-free contacts. The LCD display is provided with a manual switch and status feedback. If the contact closes or opens, a telegram is sent. The binary input module is directly connected to the Nikobus. Typical applications are: contacts of locks, telephone interfaces, alarm installations, light sensors etc.

- binary inputs: 6 potential-free contacts
- ambient temperature: 0 to 50°C
- dimensions: 4U
- power supply: 230V / 5W
- bus connections: 9V DC

COMPLETE UNIT

05-206 Pieces: 1 Complete unit

Interface for push buttons

This interface converts external push button contacts to a Nikobus telegram. For as long as the contact is closed, the telegram is sent on the bus (max. 8s). 2 inputs are provided for external push buttons and one input is provided for the connection to the Nikobus. The power supply of the flush mounting interface for push buttons is supplied by the Nikobus.

- contacts: 2 push buttons

COMPLETE UNIT

05-056 Pieces: 10 Complete unit

Universal interface

Various interfaces can be connected to the Nikobus in order to incorporate external sensors with potential-free contacts into the office automation system, such as motion detectors, window and door contacts, temperature and wind detectors, glass break detectors, etc. This interface converts a switching pulse from a contact into a telegram. Suitable for use with both pushbuttons and switches. The power of the interface is supplied by the Nikobus. Up to 32 of these interfaces can be used in a single system.

- contacts: 4 push buttons or 4 switch contacts
- ambient temperature: -25°C to 55°C

COMPLETE UNIT

05-058 Pieces: 10 Complete unit

Electronic clock thermostat

- day/week programming
- setting precision: ± 0.5°C
- 30min. operation reserve for the clock
- permanent memory for programming
- manually controllable
- max. 24 switch commands
- 3 temperature levels: night, day and antifreeze
- permanent time or temperature display

incl. Nikobus actor!

COMPLETE UNIT

100-00500	Pieces: 6	**101-00500**	Pieces: 6	**102-00500**	Pieces: 6
103-00500	Pieces: 6	**104-00500**	Pieces: 6	**121-00500**	Pieces: 6
122-00500	Pieces: 6	**123-00500**	Pieces: 6	**124-00500**	Pieces: 6
154-00500	Pieces: 6	**157-00500**	Pieces: 6	**161-00500**	Pieces: 6

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

Electronic timer

- day-/week programming
- 30min operation reserve for readjusting the clock
- permanent memory
- max. 24 switch commands programmable
- 1 or 2 channels
- min. changeover time: 1min

BASE

430-00500 Pieces: 6 With screw terminals and claw fixing

430-00501 Pieces: 6 With screw terminals and screw fixing

FINISHING SET

100-78200	Pieces: 6	**101-78200**	Pieces: 6	**102-78200**	Pieces: 6
103-78200	Pieces: 6	**104-78200**	Pieces: 6	**121-78200**	Pieces: 6
122-78200	Pieces: 6	**123-78200**	Pieces: 6	**124-78200**	Pieces: 6
154-78200	Pieces: 6	**157-78200**	Pieces: 6	**161-78200**	Pieces: 6

Motion detector 180° with Nikobus interface actor, 8 m

- switch-off delay: ± 1 - 30 min
- light sensitivity: 10 - 1000 lux
- recommended flush-mounting height: 0.8 - 1.2 m
- detection angle: 180° horizontal, 60° vertical
- detection range: 8 m (horizontal)
- for indoor use only

Replaces 1XX-78400 (sensor) and 420-0050X (actuator).

COMPLETE UNIT FOR CLAW FIXING

100-78050	Pieces: 6	**101-78050**	Pieces: 6	**102-78050**	Pieces: 6
103-78050	Pieces: 6	**104-78050**	Pieces: 6	**121-78050**	Pieces: 6
122-78050	Pieces: 6	**123-78050**	Pieces: 6	**124-78050**	Pieces: 6
154-78050	Pieces: 6	**157-78050**	Pieces: 6	**161-78050**	Pieces: 6

COMPLETE UNIT FOR SCREW FIXING

100-78051	Pieces: 6	**101-78051**	Pieces: 6	**102-78051**	Pieces: 6
103-78051	Pieces: 6	**104-78051**	Pieces: 6	**121-78051**	Pieces: 6
122-78051	Pieces: 6	**123-78051**	Pieces: 6	**124-78051**	Pieces: 6
154-78051	Pieces: 6	**157-78051**	Pieces: 6	**161-78051**	Pieces: 6

Outdoor motion detector 180°, 12V, 14m

Nikobus outdoor motion detector for use along driveways, in gardens. Provided with an integrated light sensor. Detection range adjustable between 0-14m. Provided with a rotatable motion sensor. The detection range can be subdivided by means of an adjustable cover mask. In compliance with the European directives for EMC and safety EN60669-2-1.

- can be directly powered via the Nikobus cable
- external power supply voltage: 12-16V AC/DC ±10%
- detection angle: 180°
- mounting height: 2.5m
- detection range: semi circle, up to 14m
- hysteresis on light sensitivity: +10%
- light sensitivity: 5lux - infinite
- automatically ON, automatically OFF after switch-off delay
- protection degree: IP54
- operating temperature: -20 to 45°C

◇---

COMPLETE UNIT

430-00502 Pieces: 1 Complete unit

ACCESSORIES

390-20050 Pieces: 1 Ceiling mounting brace

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

Nikobus LED controller

The LED controller can be used for the control of both monochrome and RGB Niko LED strips, and is directly connectable to Nikobus. The controller settings can be controlled via the Nikobus software. Total of 15 control modes: all 15 for RGB LED strips (including dim on/off, change colour, adjust brightness, etc.) and 9 for monochrome LED strips (including dim on/off, delayed switch-off, etc.). The factory setting provides for manual programming of a 4-button control for RGB colour and brightness. The other modes have to be set via the Nikobus software. The same Nikobus software can be used to connect multiple colour controllers in a master-slave configuration, so they will respond synchronously to the same control. Such a configuration is limited to maximum four masters per system and maximum 8 slaves per master.

- suitable for Niko LED strips
- bus connection: 9V DC (SELV, safety extreme low voltage)
- power supply voltage: 24V DC
- 4-fold primary terminal connection, max. 2 x 1.5mm² or 1 x 2.5mm²
- 5-fold secondary terminal connection, max. 2 x 1.5mm² or 1 x 2.5mm² • 3 PWM outputs and 1 common connection which make it possible to distribute the monochrome LED strips over 3 outputs or to use 1 output for RGB LED strips
- dimensions: H116mm x W52mmx D32mm
- min. diameter: 55mm • flush-mounting depth in false ceiling: min. 100mm
- protection degree: IP20
- CE approved
- ambient temperature: -5 to 55°C
- maximum load to be connected: 100W, max. 50W per output

COMPLETE UNITS

340-00112 Pieces: 5 Complete unit

Nikobus orientation lighting with RGB LEDs

Orientation lighting with RGB LEDs, directly connectable to Nikobus. Total of 15 control modes (including dim on/off, change colour, adjust brightness, etc.). The factory setting provides for manual programming of a 4-button control for RGB colour and brightness. The other modes have to be set via the Nikobus software. The same Nikobus software can be used to connect multiple orientation lighting systems in a master-slave configuration, so they will respond synchronously to the same control. Such a configuration is limited to maximum four masters per system and maximum 8 slaves per master. This item can be equipped with a backup battery 170-38020 (NiMH, to be ordered separately); in the event of a power failure, the integrated backup battery takes over for a period of 15min.

- ambient temperature: -5 to +55°C
- only suitable for flush-mounting box with min. of 50mm mounting depth
- no plaster kit required
- 12-24V DC LEDs, external power supply
- bus connection 9V DC (SELV, safety extreme low voltage)
- connects directly to Nikobus
- no thermal, IR or UV radiation
- equipped with 4 RGB LEDs
- terminal connection range, min. 2 x 0.5 mm² max. 2 x 1.5mm²
- IP41, IK06
- CE approved
- power: 0.8W

COMPLETE UNITS

340-00111 Pieces: 6 With plug-in terminals and screws

340-00113 Pieces: 6 With plug-in terminals and claws

ACCESSORIES

170-38020 Pieces: 1 Backup battery

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

Nikobus cable

2 x 2 x 0,8mm

ACCESSORIES

16-390	Pieces: 1	Nikobus cable, 100m
16-392	Pieces: 1	Nikobus cable, 100m in a flexible tube
16-391	Pieces: 1	Nikobus cable, 500m

DIN rail power supply 12V DC - 50W

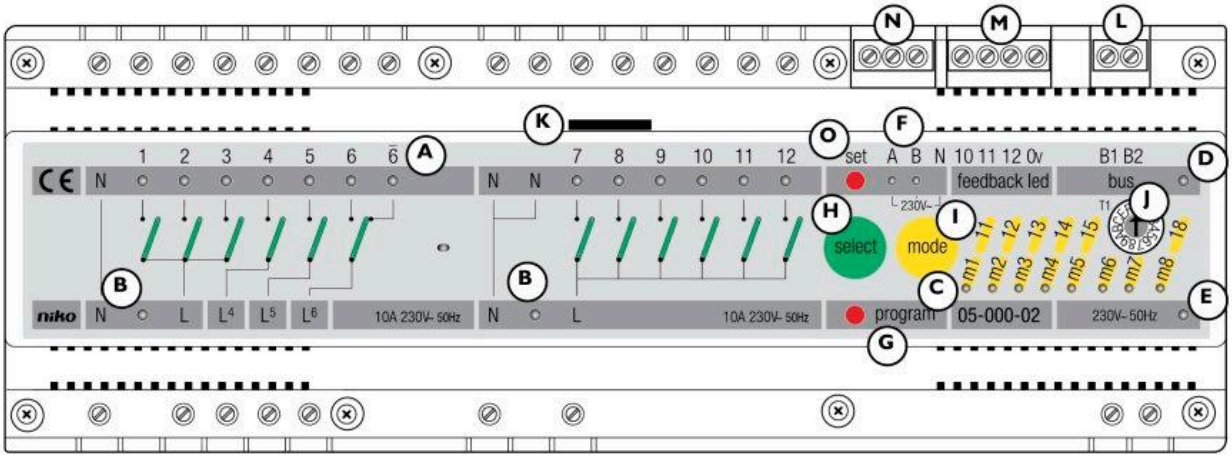
This 50W power supply is suitable for Nikobus applications (touch screen, feedback, PIR etc.) and is designed for DIN rail mounting. 1 primary input and 4 secondary terminals for connecting 2 charges easily. Usage of screw terminals, both at primary and at secondary side. The output power range is adjustable. In compliance with the European directives for EMC and safety (EN60950-1).

- 4.5 DIN modules (H93mm x W78mm x D56mm)
- weight: ±300g
- operating temperature: -20 to 60°C; Ta: 35°C
- protected against short-circuit, overvoltage and overload (self-restoring)
- input terminals (1 pair): 2 x1.5mm² or 1 x 2.5mm²
- power supply voltage: 100 - 240V AC; frequency: 50 - 60Hz
- output terminals (2 pair): 2 x 1.5mm² or 1 x 2.5 mm²
- adjustable output voltage range: 11.1V DC – 13.2V DC
- nominal current / power consumption: 4.17A / 50W
- ripple: 120mVp-p
- SELV

COMPLETE UNITS

340-00214	Pieces: 1	Complete unit

Nikobus switching unit 05-000-02



LED indications:

(A) 13 for 12 outputs (including 1 change-over contact)
(B) 2 for the power supply of the outputs
(C) 8 for modes
(D) 1 for Nikobus
(E) 1 for active power supply of the switching unit
(F) 2 for external 230 V logic inputs
(G) Programming button: to be triggered by screwdriver
(H) Output selection button: to choose outputs 1 to 12
(I) Mode selection button: to select modes 1 to 15
(J) Time switch: to set time delay
(K) Non-volatile EEPROM memory
(L) Bus connection
(M) Status LED connection
(N) External 230 V inputs with logic functions
(O) SET-button: to select external inputs A and/or B
Acoustic signal: short signal: program mode
long signal: sensor recognition
double short signal: erase

Mode

Function	Description	Number of control buttons
If the 'mode'-button is pressed less than 1.6 s. during programming, modes M1 to M8 are recalled. The 'mode'-LED's light continuously.		
M1 ..... on/off	top: on, bottom: off	2
M2 ..... on (if necessary with operating time)	always on (centralised functions)	1
M3 ..... off (if necessary with operating time)	always off (centralised functions)	1
M4 ..... push button	on for as long as the rocker is pressed (e.g. bell push-button, dimming connection) max. 8 s...	1
M5 ..... toggle (flip-flop)	ON and OFF with the same rocker side	1
M6 ..... delayed off (longer times, till 2 h.)	press: after time delay: off (e.g. stair timer)	1
M7 ..... delayed on (longer times, till 2 h.)	press: after time delay: on (e.g. operating delay)	1
M8 ..... blinking/flashing	press: on/off/on/..., (turn off with M3)	1
If the 'mode'-button is pressed longer than 1.6 s. during programming, modes M11 to M15 are recalled. The 'mode'-LED's are flashing.		
M11 .... delayed off (shorter times, till 50 s.)	as M6, but shorter times	1
M12.... delayed on (shorter times, till 50 s.)	as M7, but shorter times	1
M13.... sequencer on/off	switching of several outputs in sequences via a time cycle	2
	The final switching order is determined during programming.	
M14.... light scene on	press short: recalling a certain light scene	1
	press long: stores the modified light scene in the memory (> 3 s.)	
M15.... light scene on/off	press short top rocker: recall a certain light scene	2
	press long top rocker: stores the modified light scene in the memory (> 3 s.) bottom button -> off	

For the time being no function has been assigned to M16, 17, 18.

Times

Time selection modes M6, M7 and M13:

0 = 10 s.		
1 = 1 min.	6 = 6 min.	B = 30 min.
2 = 2 min.	7 = 7 min.	C = 45 min.
3 = 3 min.	8 = 8 min.	D = 60 min.
4 = 4 min.	9 = 9 min.	E = 90 min.
5 = 5 min.	A = 15 min.	F = 120 min.

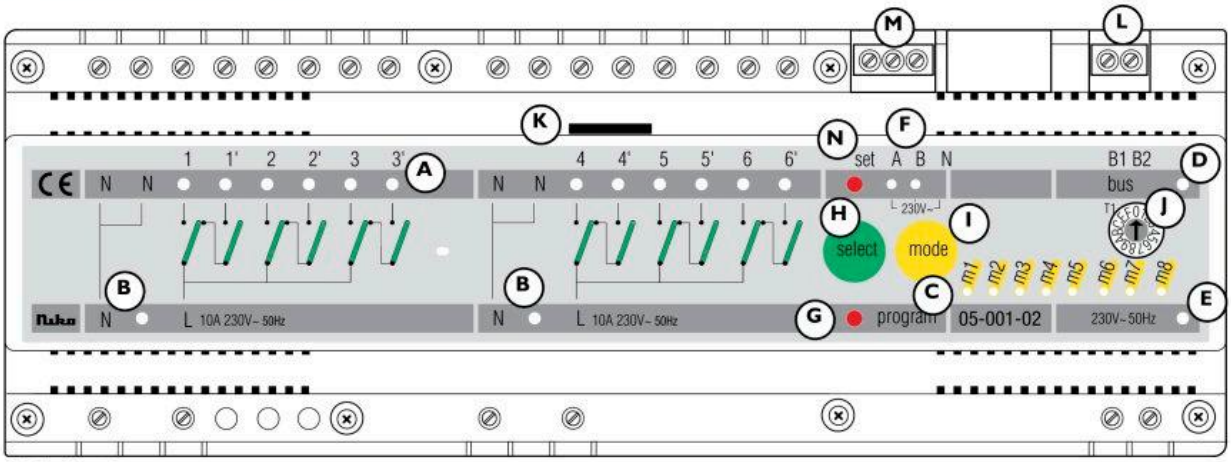
Time selection modes M11 and M12 (short times):

0= 0.5 s.		
1 = 1 s.	6 = 6 s.	B = 20 s.
2 = 2 s.	7 = 7 s.	C = 25 s.
3 = 3 s.	8 = 8 s.	D = 30 s.
4 = 4 s.	9 = 9 s.	E = 40 s.
5 = 5 s.	A = 15 s.	F = 50 s.

Operating time selection modes m2 and m3:

0 = 0 s.
1 = 1 s.
2 = 2 s.
3 = 3 s.
4,...,F = 0 s.

Nikobus shutter unit 05-001-02



LED indications:

(A) 6 x 2 for outputs
(B) 2 for power supply outputs
(C) 8 for modes
(D) 1 for Nikobus
(E) 1 for active power supply of the shutter unit
(F) 2 for external 230 V inputs
(G) Programming button: to be triggered by screwdriver
(H) Output selection button: to choose outputs 1 to 6
(I) Mode selection button: to choose modes 1 to 7
(J) Time switch: to set time delay
(K) Non-volatile EEPROM memory
(L) Bus connection
(M) External 230 V inputs with logic functions
(N) SET-button: to select one of the external inputs and logical functions
Acoustic signal: short signal: program mode
long signal: sensor recognition
double short signal: erase

Mode

Function	Description	Number of control buttons
M1 ..... opening	upper side rocker + T2	2
..... stop	upper or lower side of the rocker + T2	
..... closing	lower side of the rocker + T2	
M2 ..... opening	always opening + T2	1
M3 ..... closing	always closing + T2	1
M4 ..... stop	always stop	1
M5 ..... RF-controlled	left upperside: opening + T2	4
	left lower side: closing	
	right upper side: stop	
	right lower side: stop	
M6 ..... opening with operating time	always opening + T2 + T3	1
M7 ..... closing with operating time	always closing + T2 + T3	1

M8 has no function and cannot be selected.

Times

- The timeout-function can be assigned to all modes. By setting the time, the run-time of the shutter motor can be adjusted. 16 settings ranging from 0 to 90 s., with or without manual operating time adjustment are selectable.
- Reversing time delay fixed to: T1 = 0.5 s. Purpose: electrical and mechanical protection against sudden motor reversings.
- Programmable timeout functions after starting: T2
- Programmable manual operating time: T3

Time adjustment for modes M1 to M5

(motor timeout-function T2)

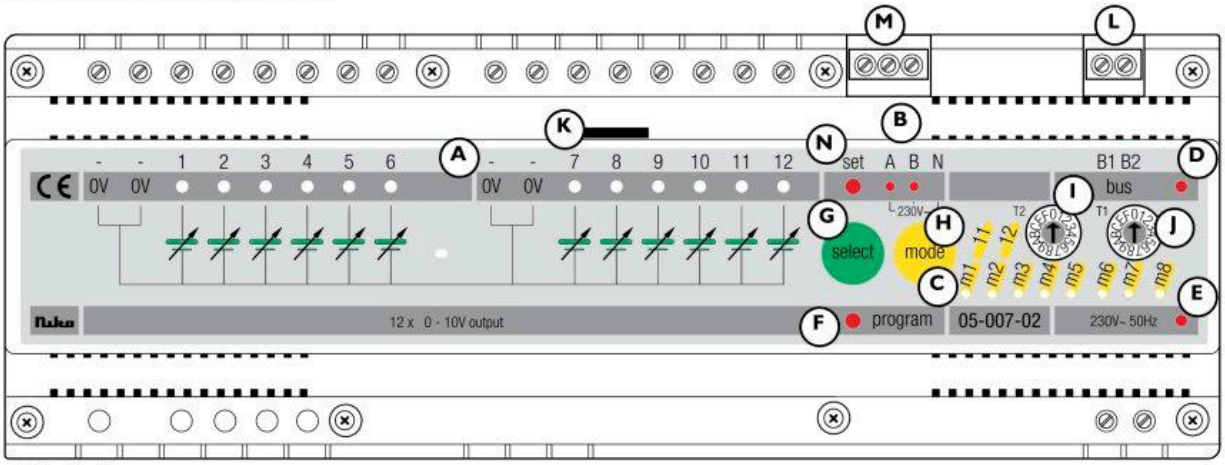
0	= switched off
1	= 0.4 s. (pulscontrol)
2	= 6 s.
3	= 8 s.
4	= 10 s.
5	= 12 s.
6	= 14 s.
7	= 16 s.
8	= 18 s.
9	= 20 s.
A	= 25 s.
B	= 30 s.
C	= 40 s.
D	= 50 s.
E	= 60 s.
F	= 90 s.

Time adjustment for modes M6 to M7

(combination of manual operating time and motor timeout-function)

Rotary switch	Timeout-function (T2)	Manual operating time (T3)
0	-	1 s.
1	-	1 s.
2	-	2 s.
3	-	3 s.
4	8 s.	1 s.
5	8 s.	2 s.
6	8 s.	3 s.
7	16 s.	1 s.
8	16 s.	2 s.
9	16 s.	3 s.
A	30 s.	1 s.
B	30 s.	2 s.
C	30 s.	3 s.
D	90 s.	1 s.
E	90 s.	2 s.
F	90 s.	3 s.

Nikobus dim controller 05-007-02



LED indications:
(A) 12 for outputs
(B) 2 for logic inputs
(C) 8 for modes
(D) 1 for Nikobus
(E) 1 for active power supply of the dim controller
(F) Programming button: set by using a screwdriver
(G) Output selection button: to choose 1 of the 12 outputs
(H) Mode selection button: to choose 1 of the 12 outputs
(I) (J) Time switches T1 & T2: to set time delay
(K) Non volatile EEPROM memory
(L) Bus connection
(M) External 230 V inputs with logic functions
(N) SET-button: to choose 1 of the 2 external inputs
Acoustic signal: short signal: program mode
long signal: sensor recognition
double short signal: erase

Mode

Function	Description	Number of control buttons
M1 ..... dim on/off	upper short: dim on to last value	2
	upper long: dim-up to maximum value	
	lower short: dim off	
	lower long: dim-down to minimum value	
M2 ..... dim on/off	upper left: dim on to last value	4
	lower left: dim off	
	upper right, short: dim on to last value	
	upper right, long: dim-up to maximum value	
	lower right, short: dim on to last value	
	lower right, long: dim-down to minimum value	
M3 ..... setting on/off	upper left short: call setting	4
	upper left long: write setting	
	lower left: dim off	
	upper right: dim on to last value if not off	
	lower right: dim-down to minimum value of not off	

Function	Description	Number of control buttons
M4..... setting on	short: call setting, long: write setting	1
M5..... on	dim on to last value, with variable speed	1
M6..... off	dim off, with variable speed	1
M7..... delayed off	dim on to last value	1
	dim-down to minimum value after certain time	
M8..... flash	on/off/on, ... with dimming speed 0	1
	switch off with M6	

Modes M11 and M12 are called up by pressing the 'mode' key for longer than 1.6 s. during programming. The LEDs are flashing.

M11 ... preset on/ off	upper left: call up preset	4
	lower left: dim off	
	upper right: dim on to last value if not off	
	lower right: dim-down to minimum value if not off	
M12 ... preset on	call up preset	1

Definitions

Dmax: the maximum voltage at which no further visual change occurs.
the maximum output voltage for a manual on-dim function.
Dmin: the minimum regulating voltage for a manual off-dim function.
Dstart: the start / stop voltage when dimming on or off.
the voltage at which the lamp begins to glow.

Example:
These parameters can be set individually for each output:
Dstart: between 0 - 2 V in 16 steps (default value = 1.6 V)
Dmin: between 1 - 4 V in 16 steps (default value = 1.6 V)
Dmax: between 6 - 10 V in 16 steps (default value = 10 V)

Dimming speed

Setting T1 (rotary switch T1)
You can set 2 rows of functions via the rotary switch T:
- the first row determines which parameters are affected by setting T2.
- the second row determines the setting of specific control and delay times.

Times (rotary switch T1)
For modes M1, M2 and M3:
you can determine how the dim-ON and dim-OFF functions have to react.
The selected dimming speed T2 depends on the setting of the T1 rotary switch in programming:

Setting rotary switch T1	dim-on	dim-off	dimming curve
0	dimming speed T2	dimming speed 0 = 1s.	
1	dimming speed 0=1s.	selected dimming speed T2	
2-F	dimming speed T2	selected dimming speed T2	

Control time for modes M5 and M6:
0 = 0 s., 1 = 1 s., 2 = 2 s., 3 = 3 s., 4, ... = 0 s.

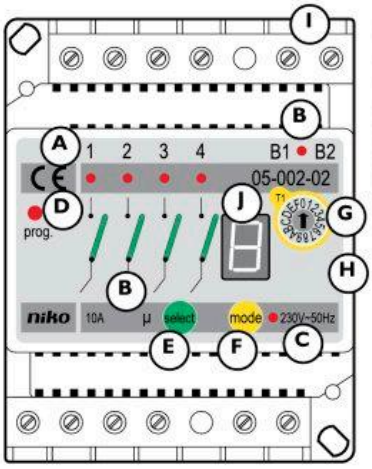
Delay time for mode M7 (delayed OFF):

0 = 10 s.	4 = 4 min.	8 = 8 min.	A = 15 min.	E = 90 min.
1 = 1 min.	5 = 5 min.	9 = 9 min.	B = 30 min.	F = 120 min.
2 = 2 min.	6 = 6 min.		C = 45 min.	
3 = 3 min.	7 = 7 min.		D = 60 min.	

Dimming speed rotary switch T2

Dimming speed: rotary switch T2	'dimming time' OFF —> max.: (default values)	Dimming speed: rotary switch T2	'dimming time' OFF —> max.: (default values)
0	1 s.	8	30 s.
1	2 s.	9	40 s.
2	4 s.	A	50 s.
3	6 s.	B	1 min.
4	8 s.	C	2 min.
5	10 s.	D	3 min.
6	15 s.	E	4 min.
7	20 s.	F	5 min.

Nikobus compact switching unit 05-002-02



LED indications:
(A) 4 for outputs
(B) 1 for Nikobus
(C) 1 for power supply of the dim controller
(D) Programming key: set by using a screwdriver
(E) Output selection key: to choose 1 of the 4 outputs
(F) Mode selection key: to choose 1 of the 13 modes
(G) (H) Time switch: to set the time
(I) Bus connection
(J) Display: display of set mode
Audio signal: short signals: program mode
long signal: recognising sensor
double short signal: delete

Mode

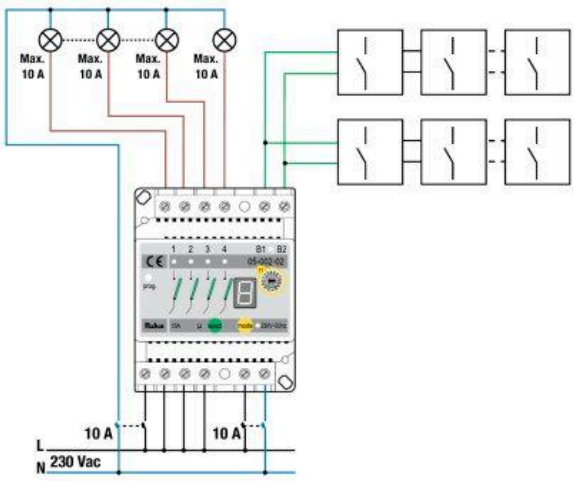
Function	Description	Number of control buttons
If the 'mode'-button is pressed less than 1.6 s. during programming, modes M1 to M8 are recalled. The programming modes flash on the 7 segment display.		
M1 ..... ON/OFF	top: ON, bottom: OFF	2
M2 ..... ON (if necessary with operating time)	always ON (centralised functions)	1
M3 ..... OFF (if necessary with operating time)	always OFF (centralised functions)	1
M4 ..... push-button	ON for as long as the rocker is pressed (e.g. bell push-button, dimming connection) max. 8 s.	1
M5 ..... toggle (flip-flop)	ON and OFF with the same rocker side	1
M6 ..... delayed OFF (longer times, till 2 h.)	press: after time delay: off (e.g. stair timer)	1
M7 ..... delayed ON (longer times, till 2 h.)	press: after time delay: on (e.g. operating delay)	1
M8 ..... blinking/flashing	press: on/off/on/..., (turn off with M3)	1
If the 'mode'-button is pressed longer than 1.6 s. during programming, modes M11 to M15 are recalled. The programming modes flash on the 7 segment display.		
M11 .... delayed off (shorter times, till 50 s.)	as M6, but shorter times	1
M12.... delayed on (shorter times, till 50 s.)	as M7, but shorter times	1
M13.... sequencer on/off	switching of several outputs in sequences via a time cycle The final switching order is determined during programming.	2
M14.... light scene on	press short: recalling a certain light scene press long: stores the modified light scene in the memory (> 3 s.)	1
M15.... light scene on/off	press short top rocker: recalls a certain light scene press long top rocker: stores the modified light scene in the memory (> 3 s.) bottom button -> off	2
For the time being no function has been assigned to M16, 17, 18.		

Times

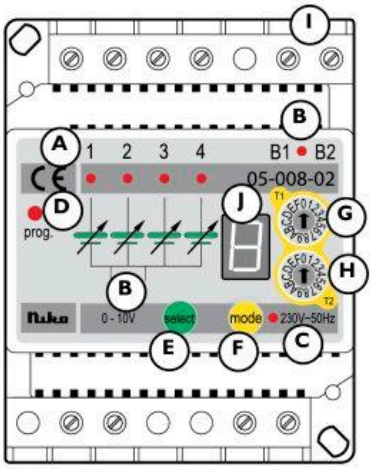
Modes M6, M7 and M13:	Modes M11 and M12 (short times):	Modes M2 and M3 (operating time):
0 = 10 s.	0= 0.5 s.	0 = 0 s.
0 = 10 s.	0= 0.5 s.	0 = 0 s.
1 = 1 min.	1 = 1 s.	1 = 1 s.
2 = 2 min.	2 = 2 s.	2 = 2 s.
3 = 3 min.	3 = 3 s.	3 = 3 s.
4 = 4 min.	4 = 4 s.	4,...,F = 0 s.
5 = 5 min.	5 = 5 s.	
6 = 6 min.	6 = 6 s.	
7 = 7 min.	7 = 7 s.	
8 = 8 min.	8 = 8 s.	
9 = 9 min.	9 = 9 s.	
A = 15 min.	A = 15 s.	
B = 30 min.	B = 20 s.	
C = 45 min.	C = 25 s.	
D = 60 min.	D = 30 s.	
E = 90 min.	E = 40 s.	
F = 120 min.	F = 50 s.	

Outputs
e.g. light points

Nikobus push-buttons
and **interfaces**



Nikobus compact dim controller 05-008-02



LED indications:
(A) 4 for outputs
(B) 1 for Nikobus
(C) 1 for power supply of the dim controller
(D) Programming key: set by using a screwdriver
(E) Output selection key: to choose 1 of the 12 modes
(F) Mode selection key: to choose 1 of the 14 modes
(G) (H) Time switches T1 & T2: to set the time
(I) Bus connection
(J) Display: display of set mode

Mode

Modes M1 to M8 can be activated by pressing the 'mode' button for less that 1.6 s. during the programming.
The programming modes flash on the 7 segment display.

M1: ....dim on/off.....upper short: dim on to last value 2
.....upper long: dim up to maximum value.....
.....lower short: dim off .....
.....lower long: dim down to minimum value.....
M2: ....dim on/off.....upper left: dim on to last value..... 4
.....lower left: dim off.....
.....
.....
.....upper right, short: dim on to last value.....
.....upper right, long: dim up to maximum value .....
.....lower right, short: dim on to last value .....
.....lower right, long: dim down to minimum value .....
M3: ....setting on/off ..upper left short: call setting 4
.....lower left long: write setting .....
.....lower left: dim off.....
.....upper right: dim up .....
.....lower right: dim down.....
M4: ....setting on.....short: call setting, long: write setting 1
M5: ....on .....dim on to last value, with variable speed 1
M6: ....off .....dim off, with variable speed 1

M7:.... delayed off ..... dim on to last value..... 1
..... dim down to minimum value after certain time
M8:.... flash..... on/off/on, ... with dimming speed 0 s. 1
..... switch off with M6

Modes M11, M12, M13 and M14 are called up by pressing the 'mode' key . for longer than 1.6 s. during programming. The programming modes flash on the 7 segment display.....

M11:.. preset on/off .. upper left: call up preset.....4
..... lower left: dim off
..... upper right: dim up
..... upper right: dim up
M12:.. preset on ..... call up preset 1
M13:.. dim on/off ..... 1 button mode..... 1
..... short: switch between off and maximum value
..... long: dim up/down
M14:.. dim on/off ..... 1 button mode with memory 1
..... short: switch between off and last set value
..... long: dim up/down

Definitions

Dmax: the maximum voltage at which no further visual change occurs.
the maximum output voltage for a manual on-dim function.
Dmin: the minimum regulating voltage for a manual off-dim function.
Dstart: the start / stop voltage when dimming on or off.
the voltage at which the lamp begins to glow.

Example:
These parameters can be set individually for each output:
Dstart: between 0 - 2 V in 16 steps (default value = 1.6 V)
Dmin: between 1 - 4 V in 16 steps (default value = 1.6 V)
Dmax: between 6 - 10 V in 16 steps (default value = 10 V)

Dimming speed

Setting T1 (rotary switch T1)
You can set 2 rows of functions via the rotary switch T:
- the first row determines which parameters are affected by setting T2.
- the second row determines the setting of specific control and delay times.

Times (rotary switch T1)
For modes M1, M2 and M3:
you can determine how the dim-ON and dim-OFF functions have to react.
The selected dimming speed T2 depends on the setting of the T1 rotary switch in programming:

Setting rotary switch T1	dim-on	dim-off	dimming curve
0	dimming speed T2	dimming speed 0 = 1 s.	
1	dimming speed 0 = 1 s.	selected dimming speed T2	
2-F	dimming speed T2	selected dimming speed T2	

Delay time for mode M7 (delayed OFF):

0 = 10 s.	4 = 4 min.	8 = 8 min.	A = 15 min.	E = 90 min.
1 = 1 min.	5 = 5 min.	9 = 9 min.	B = 30 min.	F = 120 min.
2 = 2 min.	6 = 6 min.		C = 45 min.	
3 = 3 min.	7 = 7 min.		D = 60 min.	

Control time for modes M5 and M6:
0 = 0 s., 1 = 1 s., 2 = 2 s., 3 = 3 s., 4, ... = 0 s.

Dimming speed: rotary switch T2	'dimming time' OFF —> max.: (default values)	Dimming speed: rotary switch T2	'dimming time' OFF —> max.: (default values)
0	1 s.	8	30 s.
1	2 s.	9	40 s.
2	4 s.	A	50 s.
3	6 s.	B	1 min.
4	8 s.	C	2 min.
5	10 s.	D	3 min.
6	15 s.	E	4 min.
7	20 s.	F	5 min.

Programming

program < 1.6" ➡ select ➡ mode ➡ ▭ ➡ program < 1.6"

Partially deleting a circuitg

program < 1.6" ➡ select ➡ program > 1.6"

a switch

program < 1.6" ➡ select ➡ ▭ ➡ program > 1.6"

Delete all

select + mode + program > 1.6"

Manual control

select ➡ led 1…12 ➡ select >1" ➡ 1…12 = ON ➡ 2. select >1" ➡ 1…12 = OFF

Diagnostic functions

M1 Nikobus telegram OK, flashing=wrong data telegram
M2 bus short circuit, bus polarisation error
M3 bus supply circuit malfunctioning
M4 memory error

Diagnostic functions compact modules

- A horizontal dash lights up if a correct Nikobus telegram is received
- A flashes in the event of a short-circuit or errors in bus polarisation
- B flashes in the event of errors in the bus supply
- C flashes in the event of a memory communication error

Programming external 230 V inputs (does not apply to 05-002-02 and 05-008-02)

1. "Switch-input function"

- press the 'program'-button
- select the output(s), the corresponding modes and optional times
- select input A or B with the 'set'-button
- there are 3 possibilities

LED A ON	LED B OFF	output reacts on changes of A
LED A OFF	LED B ON	output reacts on changes of B
LED A ON	LED B ON	output reacts on changes of A and B

- press the 'set'-button (until a beep-tone will be heard)
- leave the 'program'-mode

2. "Enable input function"

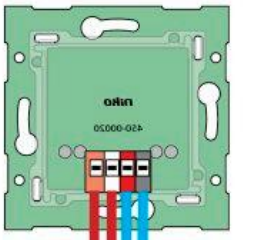
- press the 'program'-button
- select the output(s) and corresponding modes
- select input A or B with the 'set'-button as well as the logic function. There are 6 possibilities:

LED A	LED B	Bus push button	Action
OFF	OFF	On	Push-button telegram will be passed through influence of the external inputs
ON	OFF	On	Push-button telegram will be passed through if A is on 230 V
Flashes	OFF	On	Push-button telegram will be passed through if A is on 0 V
OFF	ON	On	Push-button telegram will be passed through if B is on 230 V
OFF	Flashes	On	Push-button telegram will be passed through if B is on 0 V
ON	ON	On	Push-button telegram will be passed through if A and B are on 230 V
Flashes	Flashes	On	Push-button telegram will be passed through if A and B are on 0 V

- press the bus push-button
- leave the 'program'-mode

Nikobus push buttons with LED

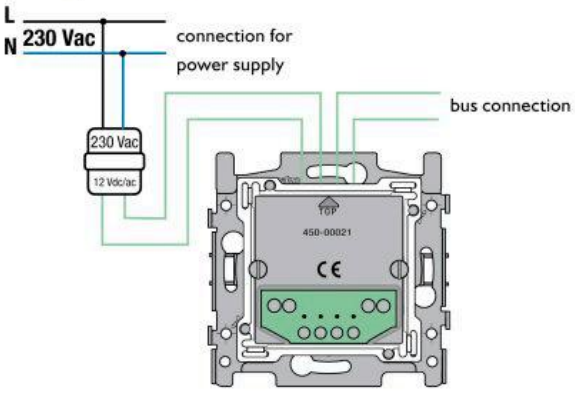
Back of simple wall-mounted printed circuit board
450-00020



bus connection

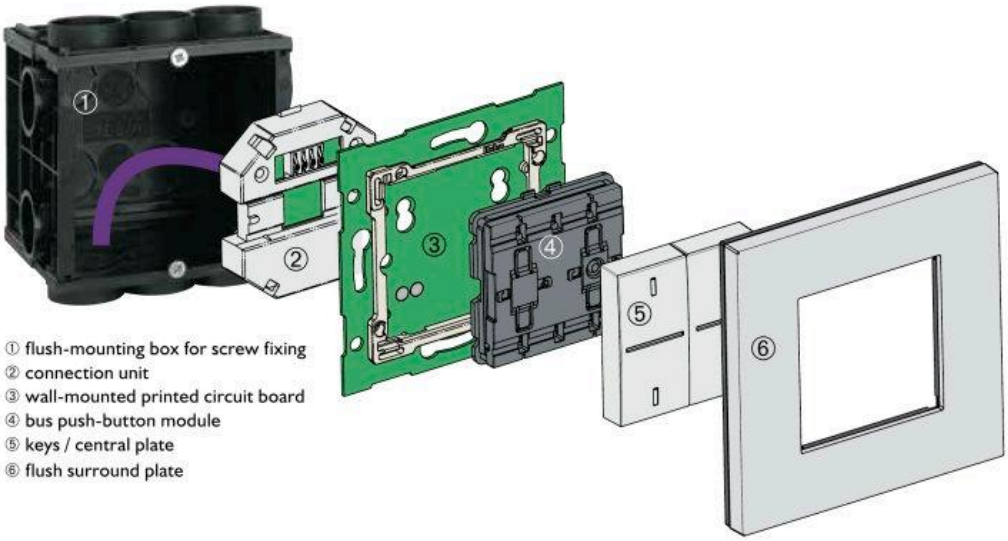
connection for power supply (12 Vdc/ Vac) or for status LED or IR bus push buttons

IR bus push buttons



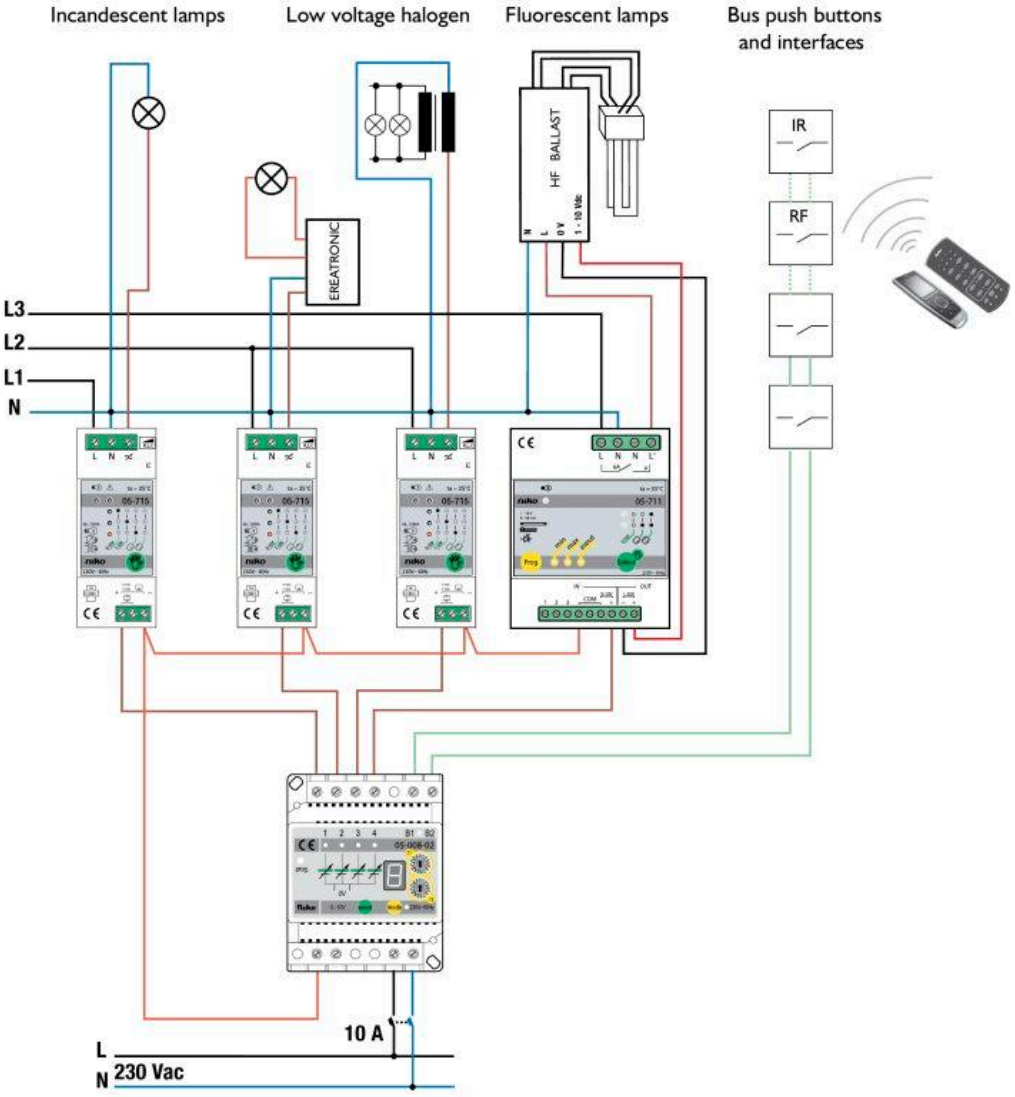
wall-mounted printed circuit board (e.g. 450-00021)

Mounting the bus push buttons

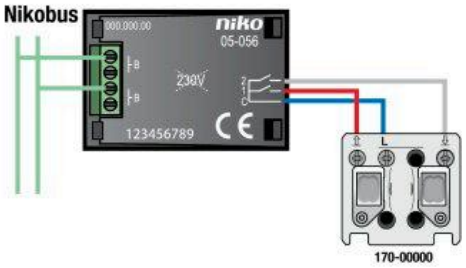


① flush-mounting box for screw fixing
② connection unit
③ wall-mounted printed circuit board
④ bus push-button module
⑤ keys / central plate
⑥ flush surround plate

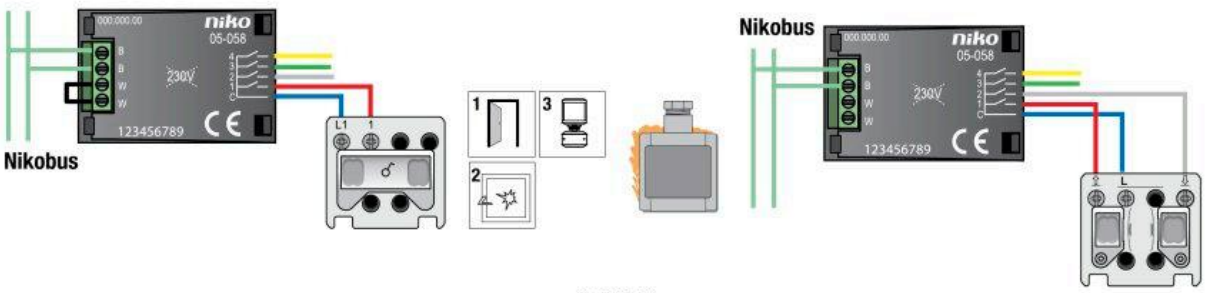
Nikobus, dimming 4 light circuits, adjustable scenes



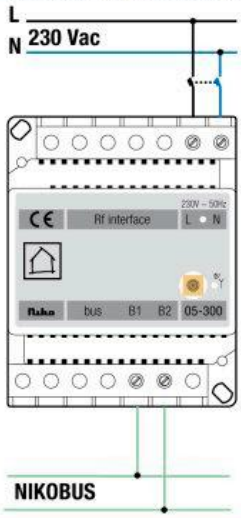
Flush-mounting interface for push buttons 05-056



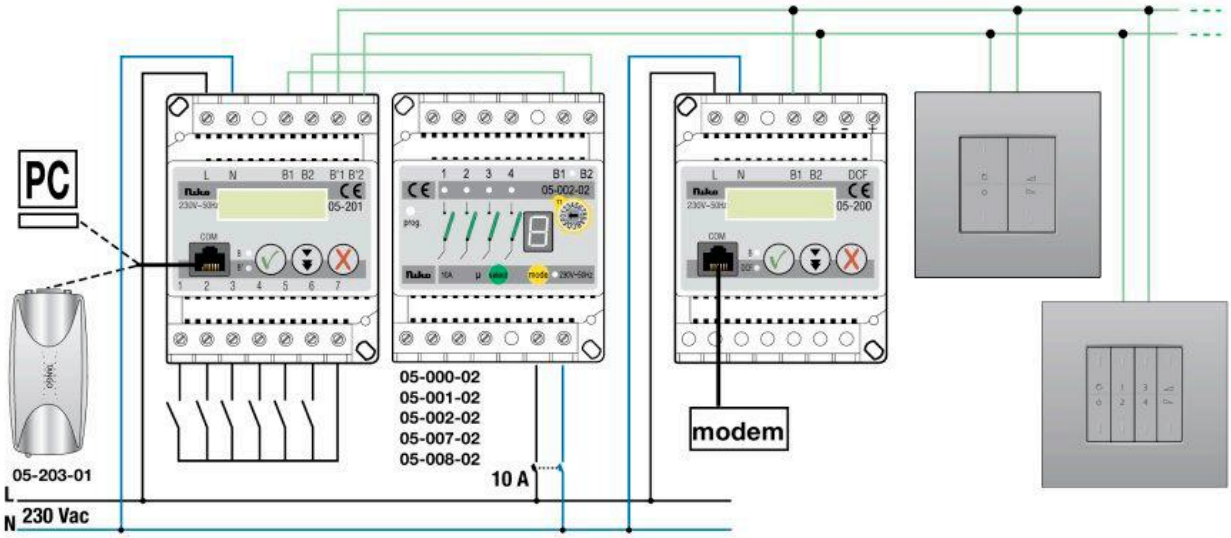
Flush-mounting interface for switch or push button 05-058



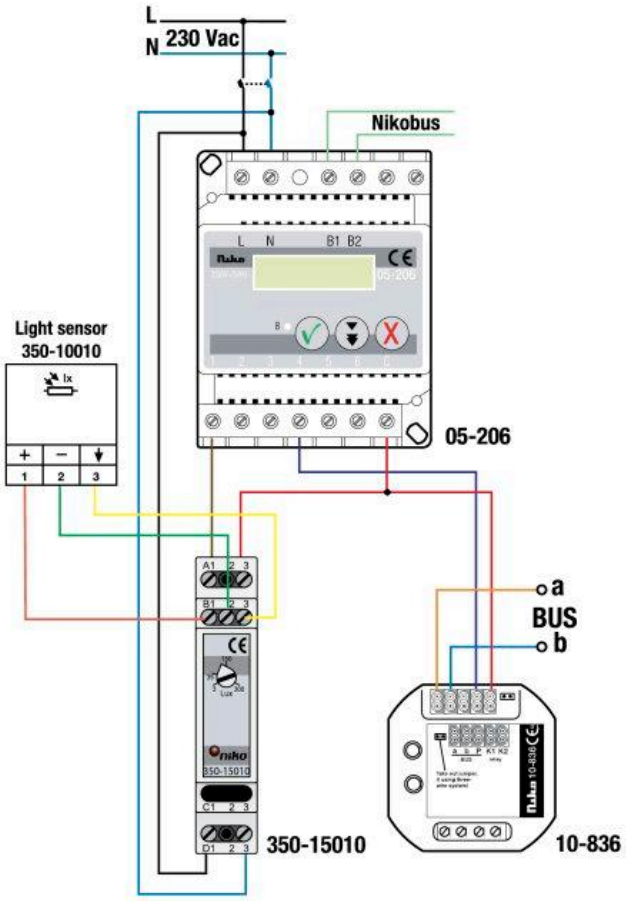
Modular RF interface 05-300



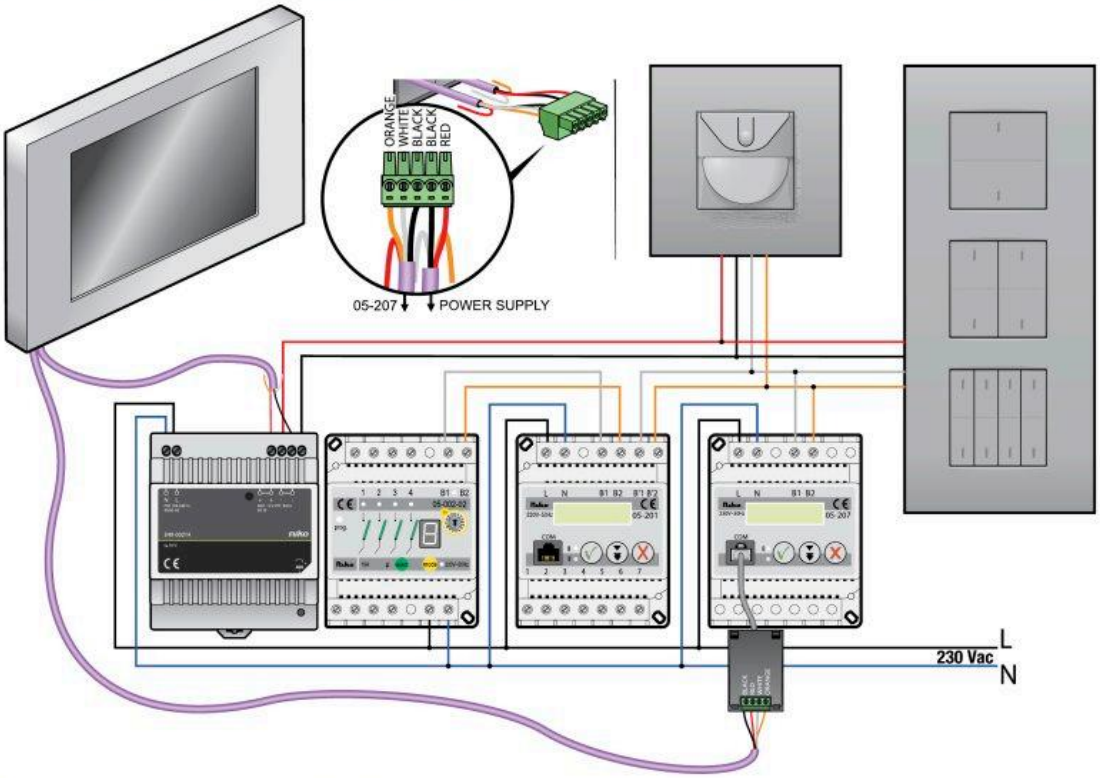
PC-Logic 05-201



05-206 with twilight switch and flush-mounting relay

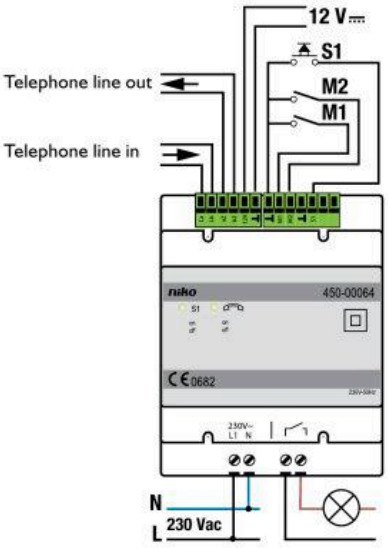


Feedback module 05-207 + touchscreen 05-096

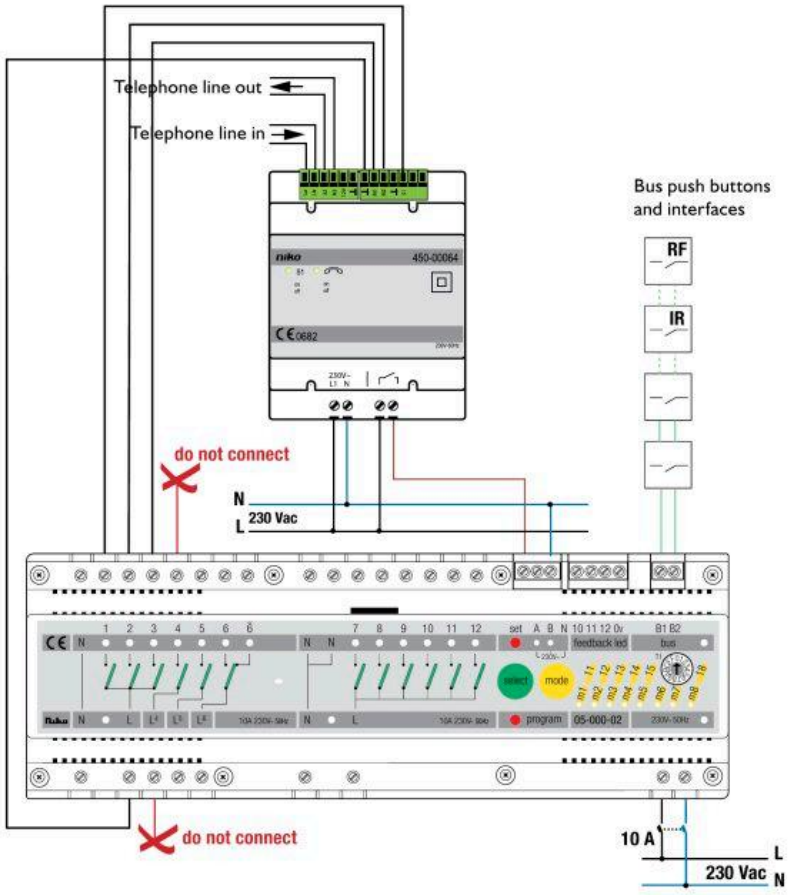


Telephone interface 1-channel 450-00064

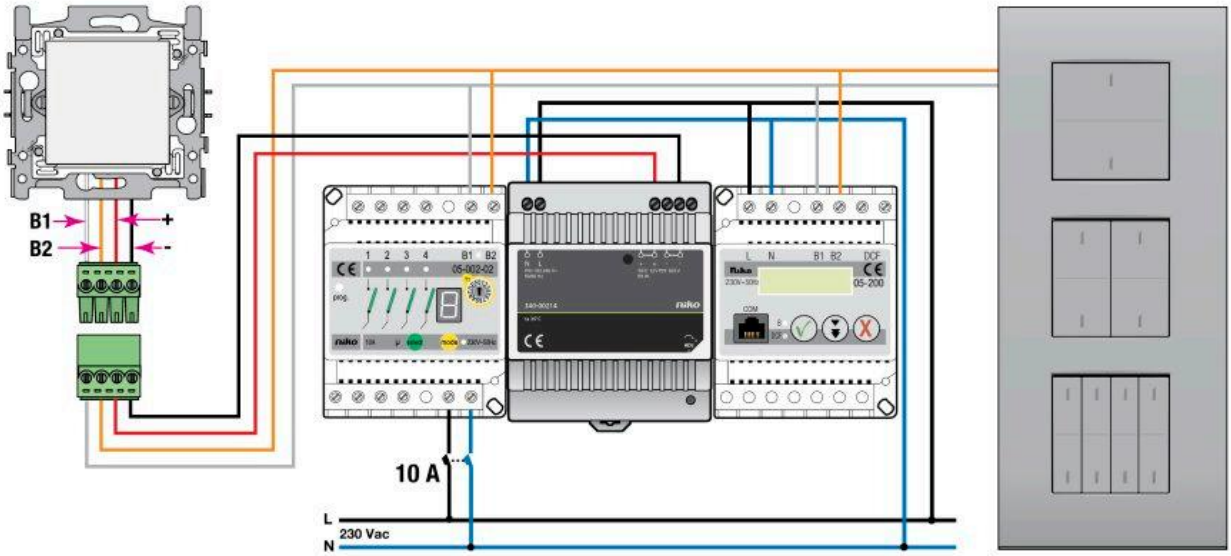
Wiring diagram 1



Wiring diagram 2



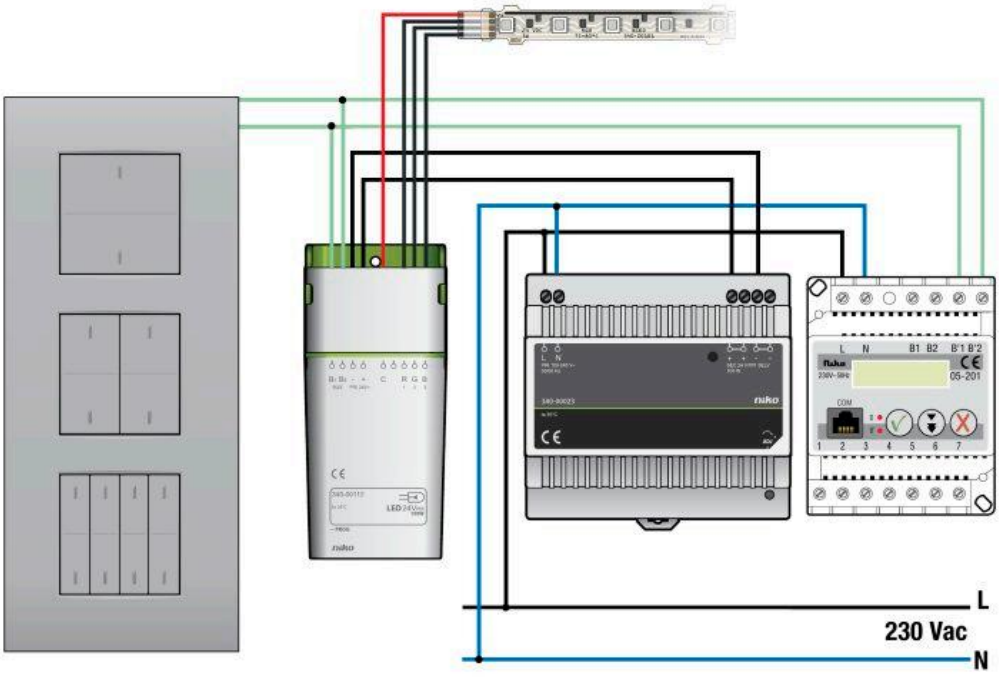
Nikobus orientation lighting with RGB LEDs



Nikobus LED controller

MONOCHROME max. 100 W (50 W / channel)

RGB max. 100 W



If you will not be connecting this LED solution to a Nikobus installation, then you must use bus connection B1', B2' instead of B1,B2 (for product code 05-201).