

# Niko® switch (SWC04/101 – 122)



1 Niko® SWC04/101 WHITE



2 Niko® SWC04/122 ANTHRACITE

## 1. Product description

This module contains 4 push buttons and 4 RGB LEDs and is integrated into a Niko® built-in frame with claw attachment. A bus connection with connector (no polarity) is provided and supplies the power and control of the module.

At rest the module has 4 push buttons. With one push button it is possible to operate an output, 2 scenes (short or long push) and through sequences up to 16 scenes. When pushing the 2 buttons on the left or the right the second page is available with another 4 pushbuttons. In total 8 outputs, 16 scenes and through the sequencer 8x16 scenes can be operated.

The software allocates an output name or scene to each button. Therefore, each switch has a unique serial number for this programming. This number can be transmitted to the central unit indicating which switch is involved during programming. During installation always make sure the number is located on the upper side. Thus, BUTTON1 will be situated on the upper left-hand side. If the same output name is attributed to several buttons on the same module, these buttons will as it were be located in parallel. By attributing the same output names to several modules a switch connection or cross connection is created.

Each LED gives feedback according to the status of that output. When the output is inactive, the LED may light up slightly; this makes it easier to find the switch in the dark. The colour and the

brightness can be set via the software. The colour RGB LEDs produce some 16 million different colours.

The switch can also be used interactive. When receiving external signals (so called alarmcodes) the function of the button as well as the LED can be temporary altered for some or all the buttons. Some examples : flashing LEDs and locking pushbuttons when breaking-in, flashing LEDs when the doorbell rings, etcetera.

## 2. Safety instructions



Read the complete manual before carrying out the installation and activating the system.

### ATTENTION

- The device must be mounted and commissioned by an authorised electrician in accordance with the country-specific regulations.
- The device may be used for permanent interior installations in dry locations within box mounts.
- The device must not be installed in box mounts together with 230V devices.
- The device must not be opened.

## 3. Installation and wiring

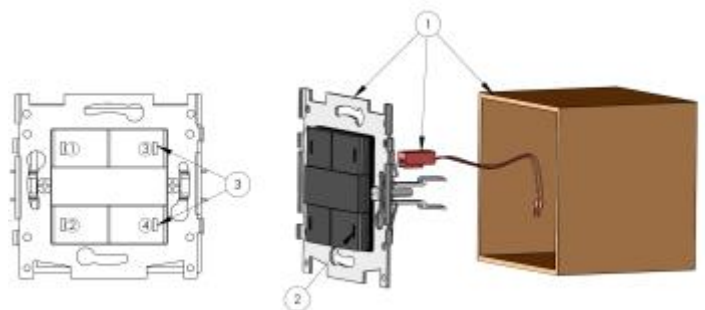


Figure 2 Connection Niko® switch SWC04

### Installation Niko®:

Mount the switch into a mounting box and secure with the claw attachment. Connect the bus cable to the back of the switch.

### IMPORTANT :

THE BUS MUST NEVER COME INTO CONTACT WITH THE EARTHING OR A LIVE WIRE!

### RGB LEDs:

The Serial Manager allows you to set the colour and the intensity of the LEDs.

### 2<sup>nd</sup> page:

Push buttons 1-2 (left buttons) or 3-4 (right buttons) simultaneously during a few seconds.

The 2<sup>nd</sup> page is indicated by flashing LEDs.

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## 4. Technical Data

**General Specifications:**

- Power supply : bus connection
- Ambient temperature :  
Working temp. range : 10°C to 50°C  
Storage temp. range : -10°C to 60°C
- Maximum humidity : 93%, no moisture condensation
- Bus load : 8mA at nominal 13,8V
- Maximum installation altitude : 2.000m

**Outputs:**

- 4 Pushbuttons and 4 RGB LEDs (8 outputs via 2nd page).
- Directly connectable to the 2-wire bus, no polarity.

**Physical specifications:**

- Housing : Plastic
- Protection Degree : IP20, EN 60529
- Dimensions (HxW) : 71mm x73mm
- Weight : approx. 0,058kg

**Electrical safety:**

- Bus : 13.8VDC low voltage
- In compliance with EN 60950 - 1:2006

**CE:**

- Complies with the EMC regulations and low voltage regulations. The device complies with HBES – EN 50090-2-2 and EN 60950 – 1:2006.

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## 5. Dimension diagram

Dimensions in mm.

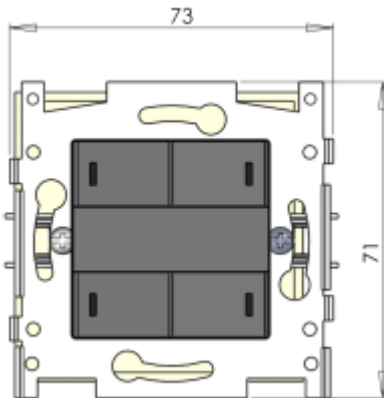


Figure 3 Measurements Niko® switch SWC04

## 6. Guarantee provisions

Guarantee period: 2 years from delivery date. The warranty no longer applies if the module has been opened! The warranty period is extended by 2 years if it was installed by an authorised Qbus installer.

In case of defects, Qbus support should be contacted first, after which defective modules can be sent to our service department free of seal: