Operating and
assembly instructions

B.
Berker

GB

6LE000414B

8014 11 x0
KNX push button module 1gang

8014 21 x0
KNX push button module 2gang

S
system

e
easy

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Safety instructions   GB

Electrical equipment may only be installed and assembled by a qualified electrician. Always follow the relevant accident prevention regulations of the country.

Failure to comply with these installation instructions may result in damage to the device, fire or other hazards.

When installing and laying cables, always comply with the applicable regulations and standards for SELV electrical circuits.

During renovation work, protect the device from pollution by paint, wallpaper paste, dust etc. The device can be damaged.

These instructions are an integral component of the product and must be retained by the end user.

Design and layout of the device

Figure 1: Design and layout of the device

(1)   Touch cover (not within scope of delivery)
(2)   Push-button module
(3)   Fastening clamps
(4)   Frame (not within scope of delivery)
(5)   Supporting ring with prong connection
(6)   Screw for dismantling protection
(7)   Status LEDs

Function

System information

This device is a product of KNX system and corresponds to the KNX guidelines. Detailed specialised knowledge obtained from KNX training courses is required for comprehension. The planning, installation and commissioning are carried out with the help of KNX-certified software.

system link start-up

The function of the device is software-dependent. The software is to be taken from the product database. You can find the latest version of the product database, technical descriptions as well as conversion and additional support programmes on our website.

easy link start-up

The function of the device is configuration-dependent. The configuration can also be done using devices developed specially for simple setting and start-up.

This type of configuration is only possible with devices of the easy link system. easy link stands for easy, visually supported start-up. Preconfigured standard functions are assigned to the in/outputs by means of a service module.

Correct use

- Operation of consumers, e.g. light on/off, dimming, blind up/down, saving and opening light scenes, etc.
- Installation into wall box according to DIN 49073

Product characteristics

- Start-up and programming in S-mode and E-mode
- Push-button functions: switching/dimming, blind control, value transmitter, scene call-up, specification of the heating operating mode, forced control, stepping switch and comparator function
- One status LED per rocker
- Function and colour of the status LEDs configurable for the device
- Integrated bus application unit

Operation

Triggering of functions and operation of electrical loads takes place via touch surfaces (figure 2, dashed) and can be set individually for each device.

There are two operating modes:

- Single-surface operation:

  Switching lighting on/off and dimming brighter/darker is carried out alternately by repeated touching of a touch surface.

- Two-surface operation:

  Two superimposed touch surfaces form a function pair. For example, touching the top surface switches/dims lighting on/makes it brighter, touching the bottom surface switches it off/makes it darker.

Operating a function or load

Consumers, such as lighting, blinds, etc., are operated using the touch surfaces, which are dependent on the device configuration.

■ Touch a touch surface.
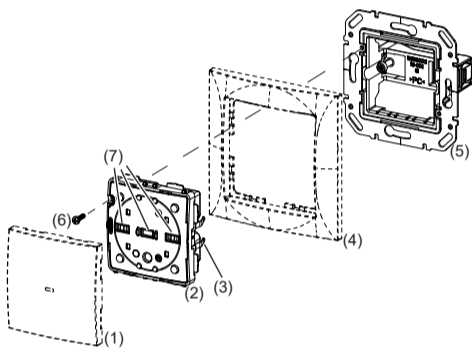
  The stored function is executed.

ⓘ The actuation pulse lasts for the duration of the actuation. Depending on the function, short and long touches can trigger different actions, e.g. switching/dimming.
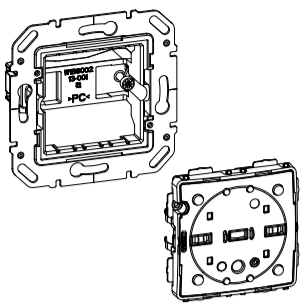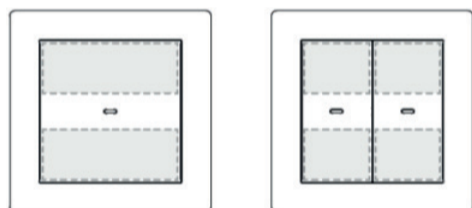
Installation and electrical connection

⚠️ **DANGER!**

Touching live parts in the installation environment can result in an electric shock.

An electric shock can be lethal!

Disconnect the connecting cables before working on the device and cover all live parts in the area!

Connecting and installing the device

- Mount the supporting ring (5) to a wall box in the correct position. Note marking TOP/OBEN.
- Run the bus cable with the connecting terminal through the frame and connect it to the push-button module (2) at the back.
- Attach the push-button module (3) with the frame (5) to the supporting ring until the fastening brackets (4) engage.
- Fix dismantling protection with screw (6) if desired.
- Reattach touch cover (1) to push-button module (2).

Dismantling

- Remove touch cover (1) from push-button module.
- Loosen screw for dismantling protection (6).
- Remove push-button module (2) from supporting ring. Hold on to design frame.

Start-up

The device is connected and ready for operation. In general the following procedure is recommended.

system link - Loading the physical address and application software (Figure 3)

(8)   Programming button

(9)   Programming LED

ℹ️ The physical address is only ever assigned for one device. Only one device can ever be in programming mode.

ℹ️ It is advisable to program the physical address before installation.

- If available, release the touch cover using the programming button (8).
- Switch on bus voltage.
- Press programming button (8).

    The programming LED (9) lights up.

ℹ️ If the programming LED does not light up, no bus voltage is present.

- Load the physical address into the device.

    The programming LED goes out.

- Load application software. Note down the physical address on the labelling field.

ℹ️ The loading of non-compatible application software is indicated by flashing of the status LEDs (7).

- Reattach the touch cover.

easy link

Information on the system configuration can be taken from the extensive description of the service module easy link.

Appendix

Technical data

KNX Medium	TP 1
Start-up mode	system link, easy link
Rated voltage KNX	DC 21 … 32 V SELV
Current consumption KNX	typ. 10 mA
Connection mode KNX	bus connecting terminals
Dimensions (W x H x D)	71 x 71 x 32 mm
assembling height from supporting ring	11 mm
Degree of protection	IP 20
Protection class	III
Operating temperature	-5 … +45 °C
Storage/transport temperature	-20 … +70 °C
Standards	EN 60669-2-1; EN 60669-1 EN 50428

Troubleshooting

Bus operation is not possible.

Cause: Bus voltage is not present.

   Check bus connection terminals for correct polarity.

   Check bus voltage by briefly pressing the programming button (8), red programming LED (9) lights up if bus voltage is present.

Accessories

Cover 1gang with lens	8096 02 xx
Cover 2gang with lens	8096 03 xx

Warranty

We reserve the right to make technical and formal changes to the product in the interest of technical progress.

Our products are under guarantee within the scope of the statutory provisions.

If you have a warranty claim, please contact the point of sale or ship the device postage free with a description of the fault to the appropriate regional representative.

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(9)   (8)