

Standard push-button module with integrated BCU, 1-gang

Art.-No.: 4071 TSM

Standard push-button module with integrated BCU, 2-gang

Art.-No.: 4072 TSM

Standard push-button module with BCU, 3-gang

Art.-No.: 4073 TSM

Standard push-button module with integrated BCU, 4-gang

Art.-No.: 4074 TSM

Operationsmanual

1 Safety instructions

Electrical equipment may only be installed and fitted by electrically skilled persons.

Failure to observe the instructions may cause damage to the device and result in fire and other hazards.

Use only the enclosed plastic screws for fastening to the supporting frame. Otherwise safe operation cannot be ensured. Electrostatic discharges can cause defects in the device.

These instructions are an integral part of the product, and must remain with the end customer.

2 Function

System information

This device is a product of the KNX system and complies with the KNX directives. Detailed technical knowledge obtained in KNX training courses is a prerequisite to proper understanding.

The function of this device depends upon the software. Detailed information on loadable software and attainable functionality as well as the software itself can be obtained from the manufacturer's product database. Planning, installation and commissioning of the device are carried out with the aid of KNX-certified software. The latest versions of product database and the technical descriptions are available on our website.

Intended use

- Operation of loads, e.g. light on/off, dimming, blinds up/down, brightness values, temperatures, calling up and saving light scenes, etc.
- Installation in appliance box to DIN 49073

Product characteristics

- The pushbutton functions switching, dimming, controlling blinds, valuator, calling up moods, etc., depending on the application selected
- Completion with keyset
- One red status LED per button
- A blue operation LED as an orientation light and to indicate the programming status
- Integrated bus coupling unit

3 Operation

Operating a function or load

Each button is divided into two halves, with a function assigned to each of them. Operation depends on the specific function.

- Switch: Short press on the button.
- Dim: Long press on the button. The dimming process ends when the button is released.
- Move Venetian blind: Long press on the button.
- Stop or adjust Venetian blind: Short press on the button.
- Call up light scene: Long press on the button.
- Save light scene: Long press on button.

- Set value, e.g. brightness or temperature setpoint: Short press on the button.

4 Information for electrically skilled persons

4.1 Fitting and electrical connection



DANGER!

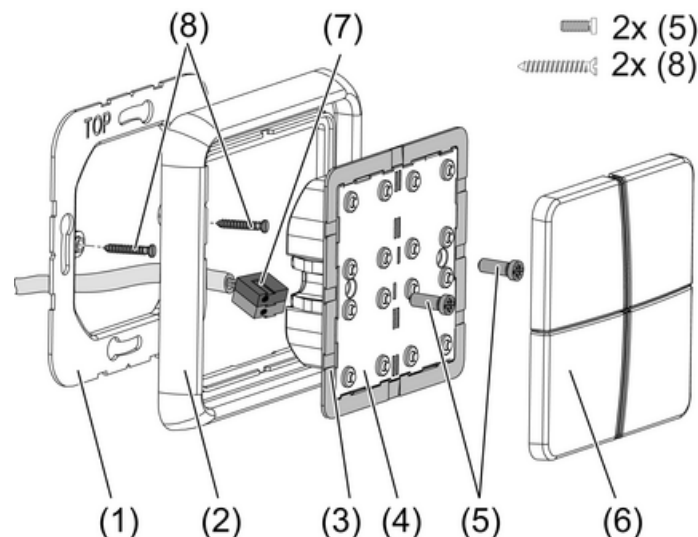
**Electrical shock on contact with live parts in the installation environment.
Electrical shocks can be fatal.**

Before working on the device, disconnect the power supply and cover up live parts in the working environment.

Snapping on the adapter frame

- With the adapter frame (3) in the correct orientation, snap it from the front onto the pushbutton module (4) (picture 1). Note marking **TOP**.

Fitting and connecting the device



picture 1: Mounting the push-button module

- (1) Supporting frame
- (2) Design frame
- (3) Adapter frame
- (4) Push-button module
- (5) Fastening screws
- (6) Buttons
- (7) KNX connection terminal
- (8) Box screws

Supporting frame side **A** for A design ranges, CD design ranges and FD design. Supporting frame side **B** for LS design ranges.


DANGER!
Danger of electrical shock!
When mounting with 230 V socket outlets under a common cover there is a danger of electrical shocks in the event of a fault!
Use only the enclosed plastic screws for fastening to the supporting frame.

- Mount supporting frame (1) in the correct orientation on an appliance box. Note marking **TOP**; marking **A** or **B** in front. Use only the enclosed box screws.
- Push frame (2) onto supporting frame.
- Connect push-button module (4) to the KNX using KNX connecting terminal (7) and push onto the supporting frame.
- Fix pushbutton module to supporting frame using the enclosed plastic screws (5). Tighten the plastic screws only lightly.
- Before mounting the buttons (6), load the physical address into the device (see chapter 4.2. Commissioning).

4.2 Commissioning

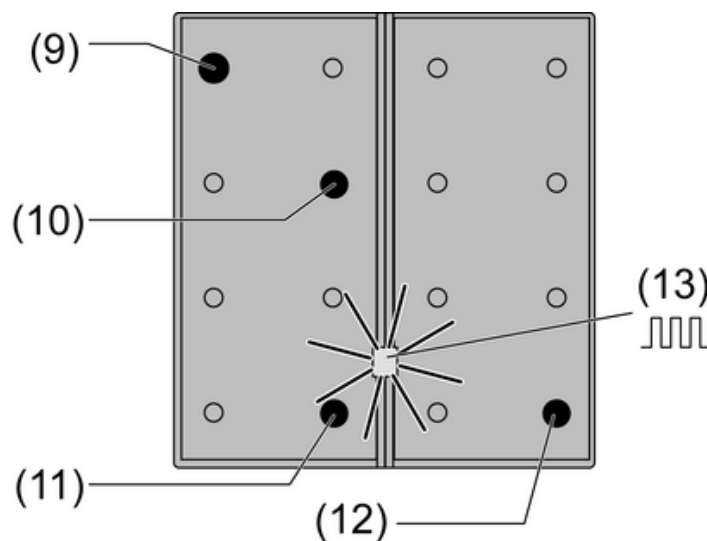
Loading the physical address and application software

Configuration and commissioning with ETS3.0d Patch A or more recent.

The device is connected and ready for operation.

The buttons are not mounted yet.

- i** If the device does not receive any application software, or the wrong application software, then the blue operation LED flashes slowly.



picture 2: Activating programming mode

- Activate programming mode: Press and hold push-button at the upper left (9). Then press push-button at the lower right (10, 11 or 12):

Push-button module	Prog. push-button
– 4gang, 3gang	(9) + (10)
– 2gang	(9) + (11)
– 1gang	(9) + (12)

The operation LED (13) flashes quickly.

- Load physical address into the device.

The operation LED (13) returns to its previous state – off, on, or flashing slowly.

- Write the physical address on the device label.
- Load the application software into the device.

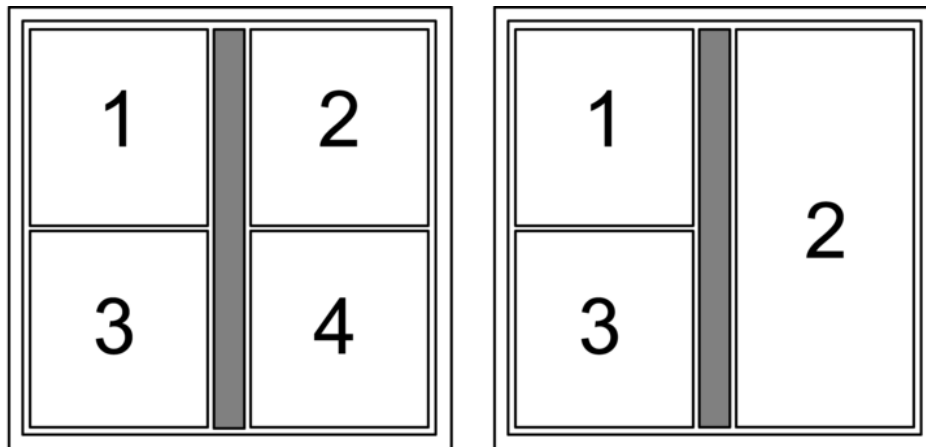
Installing the buttons

The buttons are available as a complete set of buttons. Individual buttons or the complete set of buttons can be replaced using buttons with symbols.

i The mounting spider is not required to mount the buttons.

The physical address is loaded into the device.

- Place the buttons on the device in the correct orientation and snap in with a short push. Note marking **TOP**.



picture 3: Button assignment

5 Appendix

5.1 Technical data

KNX medium	TP 1
Commissioning mode	S mode
Rated voltage KNX	DC 21 V ... 32 V SELV
KNX power consumption	typical 150 mW
Connection mode KNX	Connection terminal
Safety class	III
Ambient temperature	-5 ... +45 °C
Storage/transport temperature	-25 ... +70 °C

5.2 Accessories

Cover kit 1-gang, complete	Art.-No.: ..401 TSA..
Cover kit 2-gang, complete	Art.-No.: ..402 TSA..
Cover kit 3-gang, complete	Art.-No.: ..403 TSA..
Cover kit 4-gang, complete	Art.-No.: ..404 TSA..
Cover 1-gang with symbols	Art.-No.: ..401 TSAP..
Cover 2-gang with symbols	Art.-No.: ..402 TSAP..
Cover 4-gang with symbols, for button 1 or 4	Art.-No.: ..404 TSAP..14
Cover 4-gang with symbols, for button 2 or 3	Art.-No.: ..404 TSAP..23
Adaptor frame for CD 500	Art.-No.: CD 4 AR



5.3 Warranty

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

We provide a warranty as provided for by law.

Please send the unit postage-free with a description of the defect to our central customer service office:

ALBRECHT JUNG GMBH & CO. KG

Service Center
Kupferstr. 17-19
D-44532 Lünen
Service-Line: +49 (0) 23 55 . 80 65 51
Telefax: +49 (0) 23 55 . 80 61 89
mail.vka@jung.de

General equipment

Service-Line: +49 (0) 23 55 . 80 65 55
Telefax: +49 (0) 23 55 . 80 62 55
mail.vkm@jung.de

KNX equipment

Service-Line: +49 (0) 23 55 . 80 65 56
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