

Standard push-button module, 1-gang

Art. No. 5071 TSM

Standard push-button module, 2-gang

Art. No. 5072 TSM

Standard push-button module, 3-gang

Art. No. 5073 TSM

Standard push-button module, 4-gang

Art. No. 5074 TSM

Operating instructions

1 Safety instructions

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

Serious injuries, fire or property damage possible. Please read and follow manual fully.

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 Device components

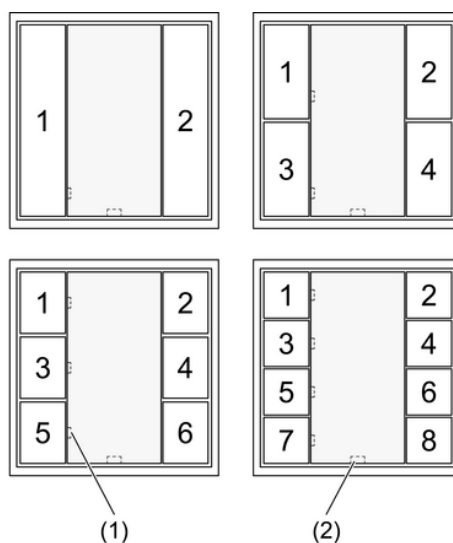


Figure 1: Standard push-button modules - front view

(1) Status LED

(2) Operation LED

3 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, calling up and saving light scenes, etc.
- Installation in appliance box according to DIN 49073

Product characteristics

- The pushbutton functions switching, dimming, controlling blinds, value transmitter, calling up moods, etc.
- Completion with set of buttons (Accessory)
- One red status LED per button pair
- One operation LED as an orientation light and to indicate the programming status – red, green or blue adjustable
- Energy saving mode
- Integrated bus coupling unit

Energy saving mode

The device switches to the energy saving mode after a preset time or by an external telegram. In energy saving mode all LED functions are switched off.

The device leaves the energy saving mode – depending on programming – on operation or by an external telegram.

 Operations from the energy saving mode are executed immediately.

4 Operation

The operation of functions or electrical consumers can be set individual for each device. Two operating modes are used:

- Single button operation:
Switching on or off or dimming brighter/darker, e.g. of lighting, takes place alternately when the button is pressed repeatedly.
- Two button operation:
Two buttons next to each other form a function pair. Pressing the left button, for example, switches or dims lighting on or brighter, pressing the right one switches it off or makes it darker.

Operating a function or load

- Switch: Short press on button.
- Dim: Long press on the button.
- Move Venetian blind: Long press on button.
- Stop or adjust Venetian blind: Short press on button.
- Call up light scene: Short press on button.
- Save light scene: Long press on button.

5 Information for electrically skilled persons**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.

5.1 Fitting and electrical connection

Mounting and connecting the device

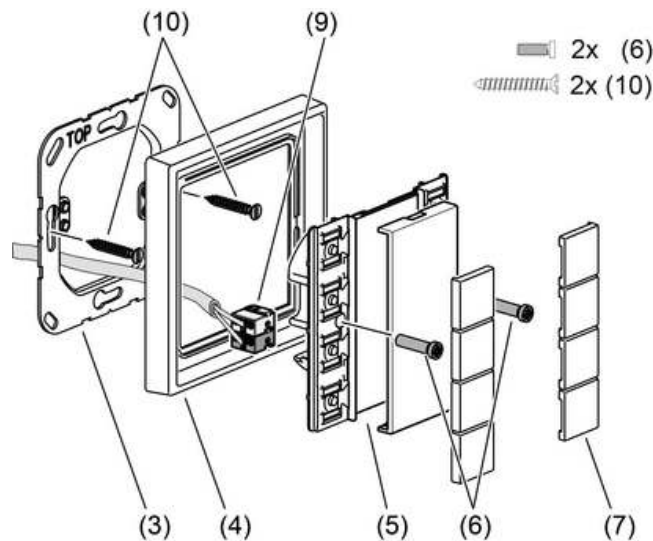


Figure 2: Mounting of standard push-button module

- (3) Supporting frame
- (4) Frame
- (5) Push-button module
- (6) Fastening screws, plastic
- (7) Buttons
- (9) KNX connection terminal
- (10) Box screws



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 (3) in the right orientation on an appliance box. Note marking **TOP**. Use only the enclosed box screws (10).
- Push frame (4) onto supporting frame.
- Connect push-button module (5) to the KNX using KNX connecting terminal (9) and push onto the supporting frame.
- Fix pushbutton module to supporting frame using the enclosed plastic screws (6). Tighten the plastic screws only lightly.
- Before mounting the buttons (7), load the physical address into the device.

5.2 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 contain any application software, or the wrong application software, then the operation LED (2) flashes slowly in blue.

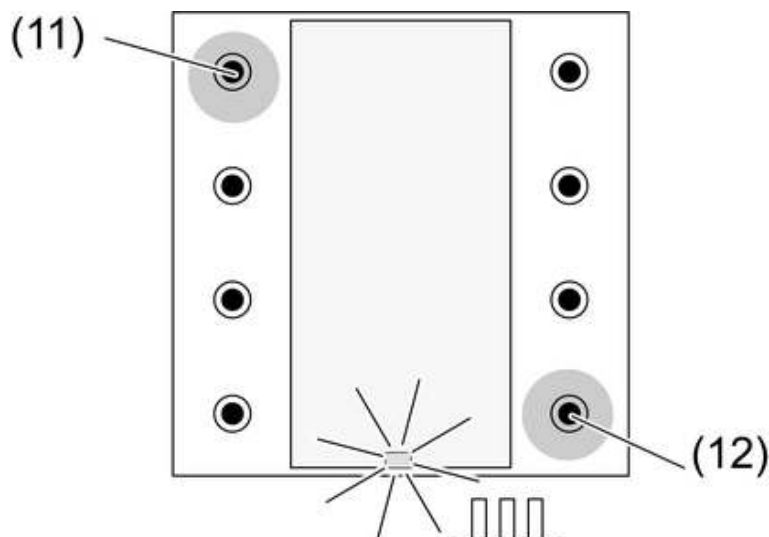


Figure 3: Activating programming mode

- Activate programming mode: Press and hold push-button at the upper left (11). Then press push-button at the lower right (12).
The operation LED (2) flashes quickly.
- Load physical address into the device.
The operation LED (2) 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 (see accessories).

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

6 Appendix

6.1 Technical data

KNX medium
Commissioning mode
Rated voltage KNX
Current consumption KNX
Connection mode KNX
Ambient temperature
Storage/transport temperature
Protection class

TP 1
S-mode
DC 21 ... 32 V SELV
max. 12.5 mA
Connection terminal
-5 ... +45 °C
-25 ... +70 °C
III

6.2 Accessories

Cover kit 1-gang, complete
Cover kit 2-gang, complete
Cover kit 3-gang, complete
Cover kit 4-gang, complete

Art. No. ..501 TSA..
Art. No. ..502 TSA..
Art. No. ..503 TSA..
Art. No. ..504 TSA..

6.3 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.



Standard push-button module



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