

Button 1gang, button 2gang

Order no.: 8514 11 xx, 8514 12 xx

Operating instructions

1. Safety instructions

Electrical equipment may only be installed and assembled by a qualified electrician in accordance with the relevant installation standards, regulations, directives and safety and accident prevention directives of the country.

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

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

2. Design and layout of the device

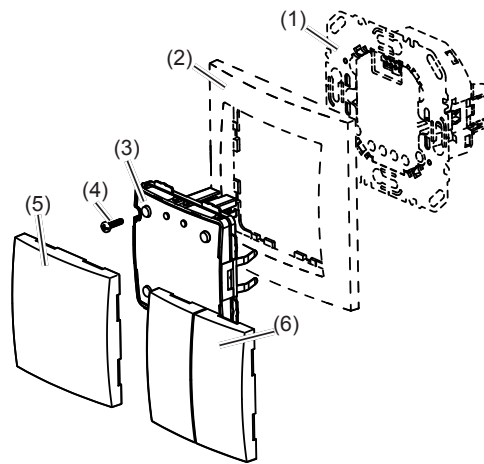


Figure 1: Design and layout of the device

- (1) Insert (see "Accessories", not in scope of delivery)
- (2) Frame (not within scope of delivery)
- (3) Application module 1 or 2gang
- (4) Screw for dismantling protection (not for design lines R.1/R.3)
- (5) Button design cover
- (6) Button design cover 2gang

3. Function

Correct use

- For operation on suitable insert (see "Accessories")
- Only suitable for use in indoor areas with no drip and no spray water

Product characteristics

- Saving of switch-on brightness level if operated on touch dimmer

4. Operation

Operating concept

The operation of the top or bottom push-button operation area is validated differently for each button. Simultaneous pressing of top and bottom push-button operation areas triggers special functions.

Operation on a switch insert

Load status	Operation button, factory setting	Switch insert
OFF	Press top or bottom	Switch ON load.
ON	Press top or bottom	Switch OFF load.

Table 1

Operation on a flush-mounted dimmer



Dimming status	Operation button, factory setting	Flush-mounted dimmer
OFF	Short press on top or bottom	Switch ON to saved switch-on brightness-level.
ON	Short press on top or bottom	Switching OFF.
ON	Press top and bottom simultaneously > 5 s	Save brightness as switch-on brightness-level. As confirmation, the light switches OFF briefly and ON again.  In delivery condition, the maximum brightness is saved as switch-on brightness.
ON/OFF	long press on top	Dimming to maximum brightness-level
ON	long press on bottom	Dimming to minimum brightness-level
OFF	long press on bottom	Switching on with minimum brightness-level

Table 2

Setting the load

If the dimming and switching performance of loads is unsatisfactory after startup, especially when circuited to energy-saving lamps and retrofit 230 V LED lamps, a load setting must be carried out for universal inserts.

- Switch off load.
- Press button top and bottom area simultaneously for more than 10 seconds.
The connected load blinks once. The device is in selection mode.
-  If there is no further operation within the next 10 seconds, the insert switches to switching/dimming operation.
- Briefly press the button repeatedly to activate the desired setting mode (Table 3).
The load setting is executed.

Press button	Setting mode	Confirmation of the load setting	Notes
1 x	Load fine-setting	Load blinks 1 x after approx. 30 s and changes to switching/dimming operation	Not suitable for ohmic loads (e.g. incandescent, HV halogen lamps); use factory load setting. If the load fine-setting does not bring any improvement for energy-saving lamps or 230 V LED lamps, select the energy-saving lamp fine-setting or 230 V LED lamp universal setting. The load fine-setting is not available on 2gang universal inserts.
2 x	Load factory setting	Load blinks 2 x after approx. 6 s and changes to switching/dimming operation	
3 x	Energy-saving lamp fine-setting in phase cut-on	Load blinks 3 x after approx. 30 s and changes to switching/dimming operation	Energy-saving lamps are switched ON at brightness level of at least 50 % brightness in order to ensure an ignition process.
4 x	230 V LED lamp universal setting in phase cut-off	Load blinks 4 x after approx. 5 s and changes to switching/dimming operation	The universal setting contains standard values which enable the operation of typical dimmable 230 V LED lamps.
	For all setting modes	Load blinks 5 x	The selected setting mode is not supported by the insert.

Table 3: Load setting mode

Operation via extension unit, push-button, NO contact

Dimming status	Operation push-button	Switch insert	Flush-mounted dimmer
OFF	Press < 0.4 s	Switch ON	Switch ON with saved switch-on brightness-level.
ON	Press < 0.4 s	Switch OFF	Switch off
ON	Press > 0.4 s	Switch OFF	Dimming to minimum/maximum brightness-level with alternating direction
OFF	Press > 0.4 s	Switch ON	Dimming from minimum to maximum brightness-level

Table 4

5. Information for electricians

6. Installation

Assembly of the device (Figure 1)

The insert is installed (see operating instructions for the insert).

- Attach application module (3) together with frame (2) to a suitable insert (1) so that the contact pins are inserted into the available jack.
- If available, fix dismantling protection with screw (4).
- Click design cover (5 or 6) into place on application module (3).

7. Appendix

7.1 Technical data

Power supply	via the flush-mounted insert (see "Accessories")
Degree of protection	IP 20
Relative humidity	0 ... 65 % (no condensation)
Ambient temperature	-5 ... +45 °C
Storage/transport temperature	-20 ... +60 °C
Mounting orientation	connector on top

7.2 Accessories

For push-button 1gang

Universal switch insert 1-gang	8512 11 00
Relay insert	8512 12 00
Touch dimmer (R, L)	8542 11 00
Universal touch dimmer 1gang	8542 12 00

For push-button 2gang

Universal switch insert 2-gang	8512 22 00
Universal touch dimmer 2gang	8542 21 00

7.3 Warranty

We reserve the right to realise 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.