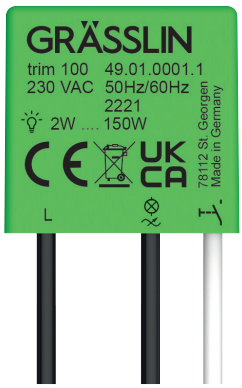
Lighting control

Flush-mounted universal dimmer



trim 100

trim 200

trim 300

Description

trim 100

The trim 100 is one of the world's smallest flush-mounted dimmers for different light sources. The device is not much bigger than an SD card and does not require a neutral conductor. It can be installed quickly and easily behind a standard push-button and is therefore perfect for retrofitting existing systems. The 2-wire flush-mounted dimmer has a smart memory function; the last set light value is saved and automatically dimmed to this value the next time it is switched on. The connected light source can be switched back to 100 % with a simple double-click on the push-button. The minimum brightness can also be set to prevent LED lamps from flickering.

- Flush-mounted universal dimmer for R, C loads with automatic load detection
- Operation via push-button
- Optimised settings for LEDs and incandescent lamps (minimum dimming level setting)
- Simple flush-mounted installation thanks to particularly small housing
- Ideal for dimmable LEDs, halogen lamps and incandescent lamps
- Memory function saves the last set light value
- Adjustable minimum brightness

trim 200

The trim 200 has the same shape and size as the trim 100 and, like the latter, is installed in the flush-mounted box behind any conventional push-button. All functions of the trim 100 are also available with the trim 200. In addition, the trim 200 can also be controlled by app via Bluetooth Mesh 5.0 and has further functions of a count-down timer, such as the staircase lighting function including pre-warning and the fade-in/fade-out function. If several Bluetooth Mesh-capable devices are installed, you can control the trim 200 via the Mesh network. The individual devices connect to a network and transmit to the next device. This makes it possible to control the devices even in remote rooms.

- Identical size, functions and installation as trim 100
- App can be operated via Bluetooth Mesh Standard 5.0
- Additional functions:
  - Count down timer
- Applications:
  - Staircase light function incl. advance warning
  - Children's room light with fade out function
  - Gentle increase in brightness (fade in)

trim 300

The trim 300 has the same shape and size as the trim 100 and 200 and is installed in the flush-mounted box behind any conventional push-button. It is controlled via the app using Bluetooth 5.0 with mesh standard, as with our trim 200. In addition, the trim 300 offers a comprehensive solution for intelligent lighting control by combining the proven functions of the trim 100 and 200 while adding a fully-fledged timer with weekly programme, annual functionality, astro function and energy measurement. Utilise the versatility of the trim 300 for efficient and convenient control of your applications. Discover the next level of intelligent control for your lighting with our trim 300.

- Identical size, functions and installation as trim 100 and 200
- App operable via Bluetooth Mesh Standard 5.0
- Additional functions to trim 200:
  - Programmable light scenes
  - Timer with weekly/yearly programme
  - Astro function
  - Energy measurement
  - Power reserve: 2 h

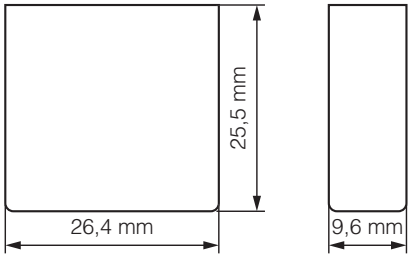
Product selection

Programme functions	Operable via app	Type	Item no.
Memory function, 100 % on double-click, adjustable minimum brightness	no	trim 100	49.01.0001.1
Memory function, 100 % on double-click + staircase lighting timer incl. advance warning, fade out, fade in, Bluetooth 5.0 (Mesh), adjustable minimum brightness	yes	trim 200	49.01.0002.1
Memory function, 100 % on double-click + staircase lighting timer incl. advance warning, fade out, fade in, Bluetooth 5.0 (Mesh), adjustable minimum brightness, programmable light scenes, weekly/yearly/astro function, energy measurement	yes	trim 300	49.01.0003.1
Accessories			
		Compensation module	89.01.0001.1

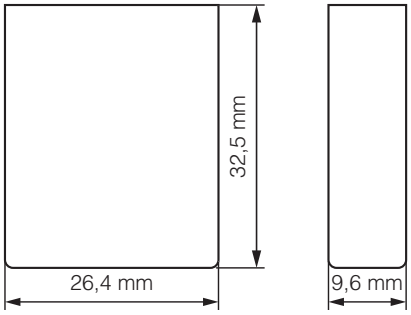
Technical data

	trim 100	trim 200	trim 300
Operating voltage	230 V AC	230 V AC	230 V AC
Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Type of installation	Flush-mounted	Flush-mounted	Flush-mounted
Stand-by consumption	approx. 0,2 W	approx. 0,2 W	approx. 0,2 W
Incandescent/halogen lamp load	150 W	150 W	150 W
LED load	150 W	150 W	150 W
Ambient temperature	–10 °C … +45 °C	–10 °C … +45 °C	–10 °C … +45 °C
Fuse types	Overcurrent protection, temperature protection, short-circuit protection	Overcurrent protection, temperature protection, short-circuit protection	Overcurrent protection, temperature protection, short-circuit protection
Länge Anschlussdrähte	approx. 100 mm	approx. 100 mm	approx. 100 mm

Scale drawings

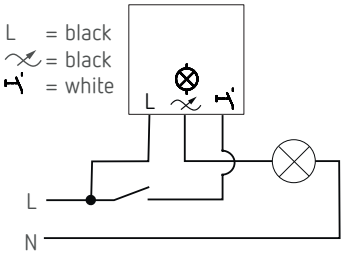


trim 100



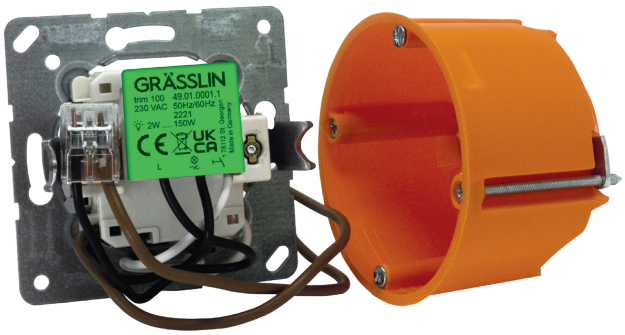
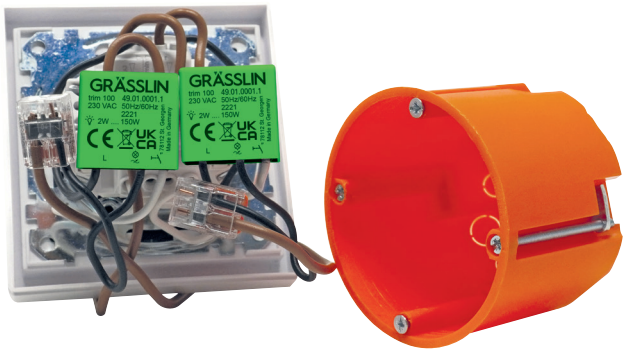
trim 200, trim 300

Connection example



Accessories

Compensation module (89.01.0001.1)

- LED compensation module for dimmers
- To prevent afterglow with LED lamps
- For connection parallel to the load
- Housing 30 mm long, 7 mm diameter

Application images