

Triac switching insert

Order no.: 0854 00, 0495 04

Function

The triac switching insert is an electronic switch for the switching of:

- 230 V incandescent lamps
- 230 V halogen lamps
- LV halogen lamps with conventional transformer



Important

Conventional transformers must be used with a lamp load of at least 85 %.

The overall load rating (transformer losses included) must not exceed 400 W/VA.

The device is operated with the corresponding attachment (e.g. pushbutton attachment), or from an extension unit (toggle mode) or triggered by the automatic switch attachment or presence detector attachment.

Switching commands from radio-control transmitters can be used for switching on and off. The lamp is switched on in the lamp-saving soft-start mode.

The functions available with the various attachments or radio-control units are described in greater detail in the corresponding operating instructions.



Safety instructions

Attention: Electrical equipment must be installed and fitted by qualified electricians only.

Not suitable for safety disconnection. Switching off the device does not isolate the load electrically from the mains.

To prevent electric shocks, always shut off the mains supply before working on the triac switching insert or before replacing the lamp.

When conventional transformers are used, each of these transformers must be fuse-protected on the primary side in accordance with the manufacturer's instructions. Use only safety transformers as per EN 61558-2-6.

Failure to observe any of the installation instructions may result in fire or other hazards.

Fitting instructions

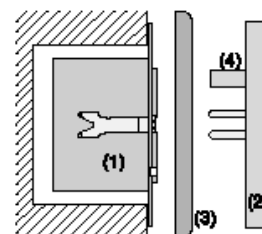
Install the triac switching insert (1) in a flush-mounting box in acc. with DIN 49073 (fig A).

The connecting terminals of the insert must be at the bottom (wall mounting).

Use the triac switching insert only in combination with an attachment.

Plug the attachment (2) together with frame (3) into the insert. The electrical contact is ensured by connector (4).

A



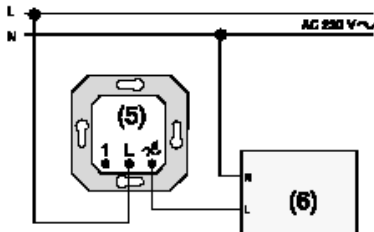
Short-circuit protection

Fine-wire fuse T 1,6H 250 V.
Use only original fuses.

Connection

The insert is connected as shown in fig B.
Triac switching insert (5), load (6)

B



Important:

Observe maximum power rating and load specifications set out in the Technical Data section.

Observe the technical connection requirements of the power supply companies.

Use of extension units

For switching from several places with the extension unit insert, see fig. C. See fig. D when using the extension unit insert for presence detector.

Control from an extension unit is possible only if the attachment on the main unit is in place.

Triac switching insert (5);
extension unit insert (7);
extension unit insert for presence detector (9)
to further extension units (8);
load (6)

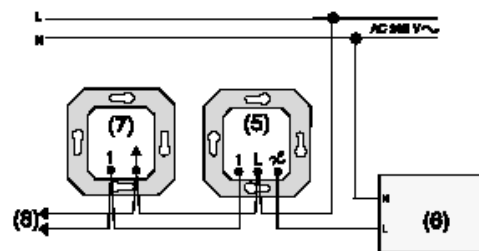
Extension unit insert:
with pushbutton attachment same functions as available on triac switching insert

Mechanical pushbutton (make contact):
ON / OFF (toggle mode)
Illuminated mechanical pushbuttons must have a separate N terminal.

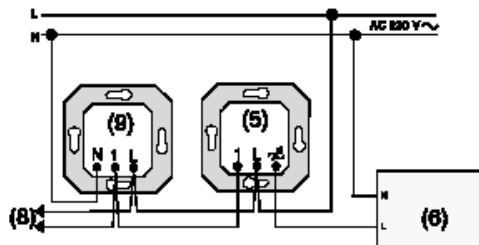
Extension unit insert for presence detector
used in conjunction with automatic switch attachment or presence detector attachment.

Functions available only if an automatic switch or presence detector attachment is used also on the main unit.

C



D



Technical Data

Power supply:	AC 230 V, 50 / 60 Hz	Number of extensions	
Operating temperature:	-20 °C ... +45 °C	Extension unit insert, conventional pushbutton:	unlimited
Fuse:	T 1,6H 250V		Illuminated mechanical pushbuttons must have a separate N terminal.
Power rating:	40 - 400 W/VA - 230 V incandescent - 230 V halogen lamps - conventional transformers	Extension unit insert for presence detector and automatic switch:	10 Different types of extension units can be combined
Depending on the type of installation, the max. load connected must be reduced:		Length of cable:	100 m max
	<ul style="list-style-type: none">• 15 % for installations in wooden, gypsum plaster-board or hollow walls,• 20 % for installations in multi-device combinations.		

Acceptance of guarantee

We accept the guarantee in accordance with the corresponding legal provisions.

Please return the unit postage paid to our central service department giving a brief description of the fault:

Gira
Giersiepen GmbH & Co. KG
Service Center
Dahlienstrasse 12
D-42477 Radevormwald



The CE sign is a free trade sign addressed exclusively to the authorities and does not include any warranty of any properties.

Gira
Giersiepen GmbH & Co. KG
Postfach 1220
D-42461 Radevormwald

Telefon: +49 / 21 95 / 602 - 0
Telefax: +49 / 21 95 / 602 - 339
Internet: www.gira.de