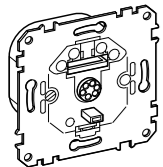


Universal relay insert

User Guide



Art. no. 575897

For your safety

⚠ ⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

Safe electrical installation must be carried out only by skilled professionals. Skilled professionals must prove profound knowledge in the following areas:

- Connecting to installation networks
- Connecting several electrical devices
- Laying electric cables
- Safety standards, local wiring rules and regulations

Failure to follow these instructions will result in death or serious injury.

⚠ ⚠ DANGER

HAZARD OF ELECTRIC SHOCK

The outputs may carry an electrical current even when the device is switched off.

- Before working on the loads, always disconnect the device from the supply via the upstream miniature circuit breaker.

Failure to follow these instructions will result in death or serious injury.

Notice

HAZARD OF EQUIPMENT DAMAGE

- Ensure that the device is disconnected from its circuit during the insulation resistance test.

Failure to follow these instructions can damage the device.

Universal relay insert introduction

With the universal relay insert you can switch ohmic, inductive or capacitive loads (incandescent lamps, 230-V halogen lamps, NV-halogen lamps with wound transformer, loads with electronic transformer) by using a sensor cover.

You can choose from three operation modes:

- "Push-button function" operating mode
- "Time function" operating mode
- "Switch function" operating mode

You can connect up to ten of the following electronic extension units:

- Extension TELE insert (art. no. 573998)
- Extension insert (art. no. 573999).

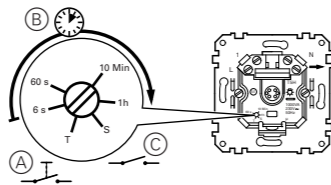
You can also connect any number of mechanical extension units (conventional push-buttons).

Completing the universal relay insert

Complete the universal relay insert with a frame and a

- Sensor cover (art. no. 5776..., 5701..., 5704..., 5737..., 5738..., 5742...) or
- TELE sensor cover (art. no. 5779..., 5703..., 5711..., 5709..., 5749...) or
- Control electronics, 1-gang (art. no. 569090) and glass sensor cover (art. no. 569x..)

Setting the operating mode



- (A) Push-button function operating mode
- (B) Time function operating mode
- (C) Switch function operation mode

Push-button function operating mode

When set to this operation mode, the universal relay insert switches the load on when the button is pushed and off when the button is released:

- 1 Set the trimmer to position "S" (left-hand stop (A)).

Time function operating mode

When set to this operating mode, the universal relay insert switches "On" when the button is pushed and automatically switches "Off" when the time period set has elapsed.

As soon as the timer function is started, the button is disabled for five seconds. During this time, the insert will ignore any further engagement of the button.

When the block time has elapsed, you can terminate the timer function by pressing the button again (before the set time has elapsed); the insert will switch to "Off".

You can set an "on" time of between six seconds and one hour.

- 1 Set the trimmer to a position (B) between "6 s" and "1 h", depending on the "on" time required.

Switch function operation mode

In this operating mode, the universal relay insert switches between "on" and "off" every time the button is pressed. This operating mode is useful for room lighting, for example (on-off switch).

- 1 Set the trimmer to position "S" (right-hand stop (C)).

Installing the universal relay insert

⚠ ⚠ DANGER

HAZARD OF ELECTRIC SHOCK

The outputs may carry an electrical current even when the device is switched off.

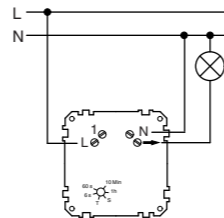
- Before working on the loads, always disconnect the device from the supply via the upstream miniature circuit breaker.

Failure to follow these instructions will result in death or serious injury.

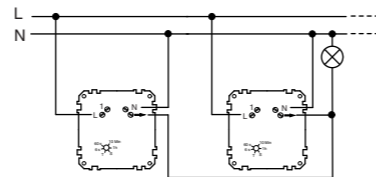
- 1 Wire the universal relay insert for the required application:

Application:

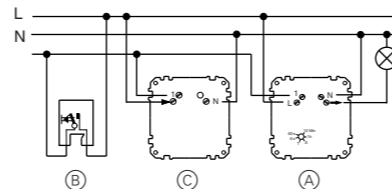
- Individual universal relay single:



- Two universal relay inserts (any number possible) connected in parallel. The load is switched on or off when one of the universal relay inserts switches:

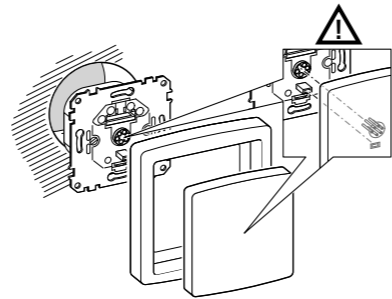


- Universal relay insert (A) in extension unit operation with mechanical push-button (B) (any number) and/or electronic extension unit (C) (max. of ten).



- i** A neutral conductor is required.

- 2 Install the universal relay insert in the socket-outlet so that the anti-twist adapter is at the bottom.



- 3 Make sure the required operating mode has been set (see "Set operating mode").

Notice

BENDING THE CONTACT PINS

- The contact pins on the rear of the sensor cover can become bent if tilted excessively. Therefore always plug the sensor cover in as straight as possible.

Failure to follow these instructions can damage the device.

- 4 Attach the accompanying sensor cover together with the frame. Hold the sensor cover so that the recess at the back is at the bottom to receive the pin of the switch insert.

- i** For glass sensor covers: refer to the accompanying installation instructions.

Operating the universal relay insert

Lightly touching the sensor covering surface generates a current pulse. The pulse duration is independent of the duration of the sensor contact.



Replacing the fuse

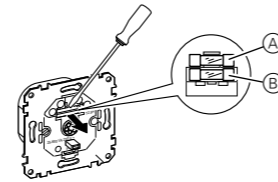
⚠ ⚠ DANGER

HAZARD OF ELECTRIC SHOCK

- Before working on the device, always disconnect the device from the supply via the upstream miniature circuit breaker.

Failure to follow these instructions will result in death or serious injury.

- 1 Pull the fuse holder out to the front and replace the fuse (A) (replacement fuse (B)).



Technical data

Mains voltage: AC 220–230 V, 50/60 Hz

Switching capacity:

Incandescent lamps: 1000 W

230 V halogenlamps: 1000 W

NV halogen lamps: 500 VA

Motors: 500 W

Capacitive load: 140 µF

Neutral conductor: Required

Short-circuit protection: G - Fuse insert T 5.0 H

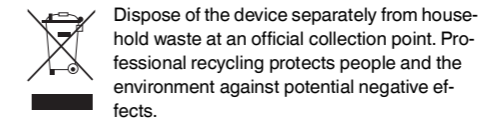
Operating modes: Push-button function (left-hand stop)

Switch function (right-hand stop)

Time function (6 s–1 h)

Connecting terminals: Screw terminals for

2x 1.5 mm² or 1x 2.5 mm²



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