

System 2000 Potential-free relay insert

Order no.: 1148 00

Function

Potential-free relay insert for the switching of extensive lighting installations:

- 230 V incandescent lamps.
- 230 V halogen lamps.

The switching actions are triggered by pressing the button attachment of the potential-free relay insert, the button of extension units or of radio-control transmitters.

Operation

Press on the TOP, BOTTOM and center surface:

Switching on,
switching off
(toggling)

The present operating instructions describe the functions that can be obtained when used with the manual System 2000 attachment for switching and dimming.

A detailed description of the functions in conjunction with other attachments or with the remote control can be found in the corresponding operating instructions.



Warning

Caution: The installation and assembly of electrical equipment may only be performed by a skilled electrician.

Not suitable for disconnecting.

To prevent electric shocks, always shut off the mains supply (by cutting out the circuit-breaker) before working on the device or before replacing the lamp.

Non-observance of the installation instructions may cause fire or other hazards.

Installation Instructions

Install the potential-free relay insert in a flush-mounting box as per DIN 49073 (Fig. A).

The connecting terminals of the insert (1) must be at the bottom.

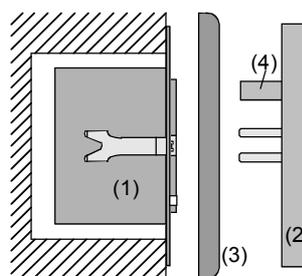
The potential-free relay insert can only be used in combination with an attachment. Plug the attachment (2) together with frame (3) on the insert (1).

The electrical contact is established by means of connector (4).

The attachment must be plugged into the insert before switching on the mains voltage.

Mains failures of more than 1 second will cause the potentialfree relay insert to switch off.

fig. A



Short-Circuit Protection

For device protection, connect in series a 10 A automatic cut-out.

Connect the potential-free relay insert as shown in Fig. B.

Observe the maximum connected load and the specified load as per Specifications.

Depending upon the type of installation, reduce the maximum connected load by:

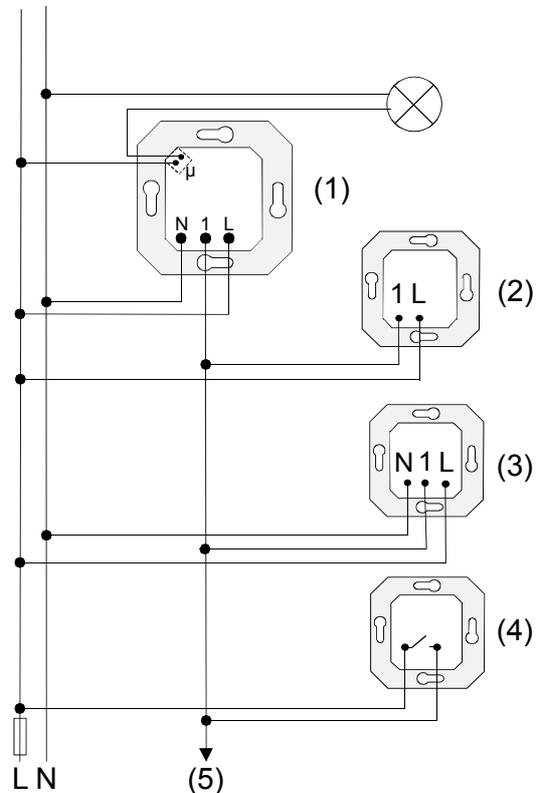
- 10 % per 5 °C exceeding of the ambient temperature of 25°C.
- 15 % for installation in wooden, gypsum plaster or hollow walls.
- 20 % for installation in multiple combinations.

Switching from different places, see fig. B.

Potential-free relay insert (1), extension insert (2), extension insert for presence detector and automatic switch (3), mechanical pushbutton (4), to further extensions (5), load ⊗

Observe the technical connection regulations of the power supply companies.

Bild B



Using Extensions

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

Extension insert: same functions as in case of attachment for switching and dimming on potential-free relay insert.

Mechanical key
(normally open): ON / OFF (toggling)

Illuminated mechanical pushbuttons must have a separate N terminal.

Specifications

Rated voltage:	230 V AC ~, 50 / 60 Hz	Number of Extensions	
Operating temperature:	5 °C ... +35 °C	extension insert, mechanical push- button:	unlimited
Connected load		extension insert for presence detector and automatic switch:	10
230 V incandescent lamps:	800 W		
230 V halogen lamps:	750 W		
Mixed loads of the types of loads specified.		Different types of extension units can be combined.	
Minimum load:	12 V, 100 mA	Total length of extension connecting cable:	max. 100 m
µ switching contact:	relay contact, potential- free, suitable for switching of a second phase conduc- tor, not SELV	Circuit-breaker:	provide in acc. with local requirements, do not exceed 10 A max

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.

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