Radio-control pushbutton

for switching and dimming (version R2.1)

Function

The radio-control pushbutton for switching and dimming permits radio-controlled or manual switching and dimming of lamps.

The starting brightness can be stored in the device as memory brightness.

The radio-control pushbutton for switching and dimming is plugged onto a System 2000 insert.

After reception of a data telegram from a programmed radiocontrol detector and corresponding darkness, the radio-control pushbutton for switching and dimming is switched on for about 1 minute with the preset memory brightness.

The radio-control pushbutton for switching and dimming can be programmed to identify up to 30 radio channels.

Lightscapes

The radio-control pushbutton can be included in up to five lightscapes which are activated with the corresponding radio-control transmitters (e.g. hand-held transmitter 'Komfort') and stored. The desired lightscape key must be programmed beforehand into the radio-control pushbutton.

All-ON / All-OFF

The programming of a radio channel (e.g. hand-held transmitter 'Komfort') always includes the simultaneous and automatic storage of the functions of the All-ON or All-OFF key. The All-ON or All-OFF key of a radio-control transmitter switches the load connected to the switching actuator on or off.

Fitting

The radio-control pushbutton can only be operated in conjunction with a System 2000 insert. Connection and fitting are described in the operating instructions of the insert.

Light control

In combination with a programmed radio-control presence detector, the radio-control pushbutton can be used for lighting control functions.

For more information, refer to the operating instructions of the radio presence detector.

Important
The present instructions describe the functions of the radio-control pushbutton without lighting control. More information on light control with a presence detector is set out in the operating instructions for these devices.
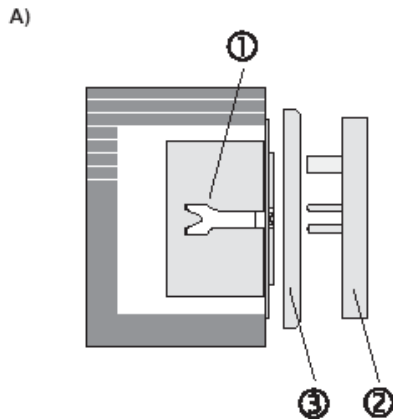
> ⚠️ **Warning**
> Caution: The installation and assembly of electrical equipment may only be performed by a skilled electrician.

Procedure

1. Install the selected insert ① in a flush-mounting box (deep model recommended), the connecting terminals of the insert pointing downwards.
2. Plug the radio-control pushbutton ② together with frame ③ onto the insert while the mains voltage is disconnected.

A)

Learning a Radio Transmitter

During programming of a transmitter, the sensitivity of a radiocontrol receiver is reduced to a range of approx. 5 m. The distance between the radio-control pushbutton and the transmitter to be programmed should be between 0.5 m and 5 m.

Procedure

1. Switch off the load connected to the radio-control pushbutton by a brief depression (< 0,4 s) of any of the two pushbutton rockers.
2. Depress both rockers of the radio-control pushbutton at the same time for abt. 4 seconds (fig. B: double-sided operation) to switch over to the programming mode.

B)

The programming mode is active for abt. 1 minute and confirmed by an intermittent tone (fig. C).
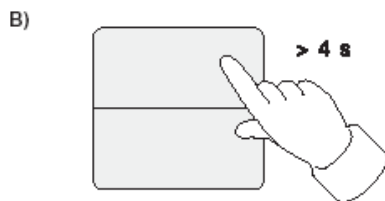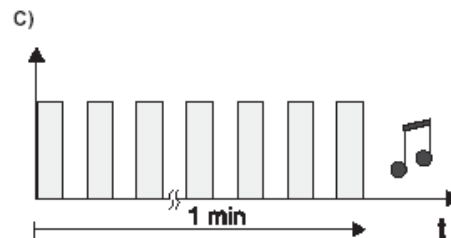
Important

• The distance from electrical appliances (e.g. microwave oven, hi-fi and TV sets) must be at least 0.5 m.
• To prevent saturation of the radio receiver (actuator), the radiocontrol pushbutton must be at least 1 m away from the nearest transmitter.

C)

3. Send a radio telegram from the selected transmitter (fig. D); see „Radio-control transmitter" operating instructions:
Programming a channel
Depress the channel key for more than 1 second.
Programming a lightscape key
Depress the lightscape key for more than 3 seconds.
Programming a detector
Remove the battery for about 2 minutes from the detector.
Put the the battery back in place and make a movement inside the detection range of the detector within the next 15 minutes.
Programming a presence detector
Remove the battery for about 2 minutes from the transmitter.
After putting the battery back in place, the device starts transmitting programming telegrams for about 30 s.
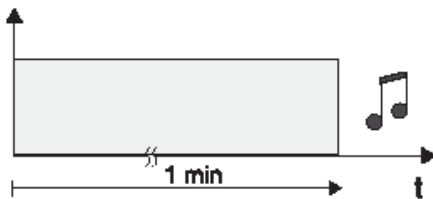
D)
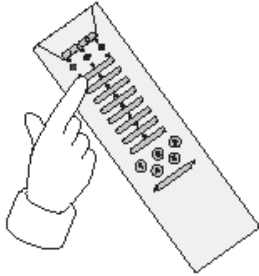
Important:
It is not possible to program a combination consisting of presence-control detector and detector.

4. The radio-control pushbutton confirms storage of the data transmitted by a continuous tone (Abb. E).
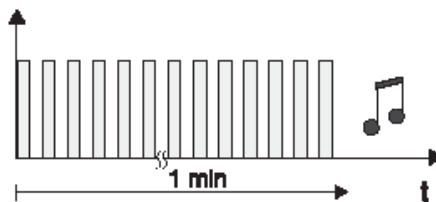
E)

Deleting a radio-control transmitter

A radio-control-transmitter in the pushbutton's memory is deleted when the same transmitter is programmed again into the memory (see above).

All channels and lightscape keys must be deleted one by one.

Successful deletion is signalled by an intermittent tone pulsating faster than the one heard after programming (fig. F).
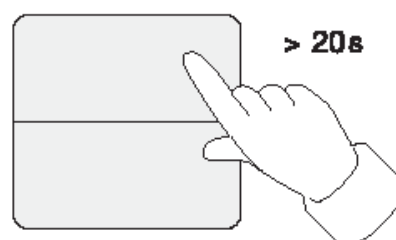
Deleting all radio-control transmitters

It is possible to delete all transmitters in the radio pushbutton. In this case, the radio pushbutton is reset to the state as delivered.

1. Depress both faces of the radio pushbutton at the same time for about 20 s (Fig. G: full-faced operation). After about 4 s, a uniform pulsating tone will be heard (cf. Fig. C) which will change after 20 s to an intermittent short tone lasting about 6 s.

5. The programming mode ends automatically after about 1 minute or can be terminated by a short depression of the programming key. The radio-control pushbutton is then again in the normal operating mode.

| i | **Important** |

- When all 30 memories are occupied, it is necessary to delete an already stored transmitter before a new one can be programmed.
- The programming of a radio channel (e.g. hand-held transmitter 'Komfort') always includes the simultaneous and automatic storage of the functions of the All-ON or All-OFF key.

F)

G)

2. Release the radio pushbutton briefly during these 6 s and press once again for about 1 s to start the deleting procedure.

3. A continuous tone will be heard during deletion. Successful deletion of all radio-control transmitters is then confirmed by a fast pulsating tone (cf. Fig. F) which ends after about 1 min or wich can be terminated by a brief press on the button.

Operation

The radio-control pushbutton has an upper and a lower rocker.

The operation distinguishes between a short and a long depression of the pushbutton rocker:

Short depression of pushbutton (< 0,4 s)

The lights are switched on (on with memory brightness) or off.
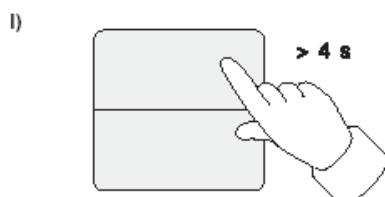
Short depression of pushbutton (≥ 0,4 s)

When the radio-control pushbutton is attached to an insert permitting the dimming function, the brightness of the lamps connected can be increased (upper rocker) and decreased (lower rocker) by a long depression of the pushbutton rockers.

H)

ⅈ Important

To switch on the lamps at mimimum brightness, depress the lower rocker for more than 4 seconds when the lamps are off.
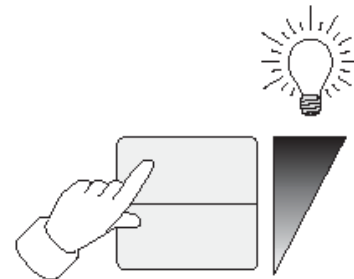
Memory function

The selected brightness level can be stored as memory value in the radio-control pushbutton. A brief depression of the pushbutton recalls the memory brightness level as the starting brightness of the lamp.

Storing the memory value

1. Select the desired brightness level for the lamps.
2. Depress both rockers at the same time for at least 4 seconds (fig. I). This is confirmed by a soft-start, i.e. the lighting is shut off briefly and then increased in brightness up to the stored memory value.

ⅈ Important

- In as-delivered condition, the memory value is set to maximum brightness.
- A saved memory value is not lost after a mains failure.

I)
> 4 s

Lightscape

Before storing or recalling a lightscape, the lightscape key of the radio-control transmitter must be programmed into the radio-control pushbutton (see „Programming of a radio transmitter").

The data pertaining to a lightscape (brightness of lamp) can then be stored in the radio-control pushbutton. A lightscape can be changed at any time by storing it again.

Storing a lightscape

1. Select the desired brightness of the lamp.
2. Depress the lightscape key of the radio transmitter for at least 3 seconds. The old lightscape will at first be recalled (keep key depressed). The new lightscape will activated and stored only after about 3 seconds and short tone signal is heard.

Radio Transmission

Radio transmission takes place on a non-exclusive path. Therefore, interference cannot be excluded. This type of radio transmission is not suitable for safety applications such as emergency stops or emergency calls.

The range of a radio-control system depends on transmitter power, receiver characteristics, air humidity, fitting height and building conditions. Fig. I illustrates the penetration of building materials by radio waves:
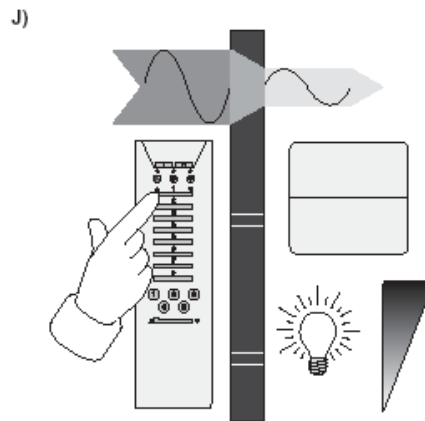
Dry material	Permeability
Timber, gypsum, gypsum-plasterboards	approx. 90 %
Brickwork, particle boards	approx. 70 %
Reinforced concrete	approx. 30 %
Metal, metal grating, aluminium lamination	approx. 10 %
Rain, snow	approx. 0 - 40 %

J)

Radio operation

- The inter-connection of this radio system with other communication networks must comply with national legislation.
- This radio system must not be used for communication beyond property boundaries.

Specifications

Power supply:	from flush-mounting insert
Receive frequency:	433,05 MHz ... 434,79 MHz
Receiver category:	2
Number of radio channels:	30
Temperature range:	approx. 0 °C ... +55 °C

Conformity

Gira Giersiepen GmbH & Co. KG hereby declares that the radio system type Order No. 0543 xx corresponds to the directive 2014/53/EU. You can find the full article number on the device. The complete text of the EU Declaration of Conformity is available under the Internet address: www.gira.de/konformitaet

Warranty

The warranty is provided in accordance with statutory requirements via the retailer.

Please submit or send faulty devices postage paid and with an error description to your sales representative (retailer/installation company). They will forward the devices to the Gira Service Center.

Gira
Giersiepen GmbH & Co. KG
Elektro-Installations-
Systeme

Industriegebiet Mermbach
Dahlienstraße
42477 Radevormwald

Postfach 12 20
42461 Radevormwald
Deutschland

Tel +49(0)21 95 - 602-0
Fax +49(0)21 95 - 602-191

www.gira.de
info@gira.de