ZigBee Light Link wireless wall transmitter with inscription space
Order No. : 2430 100

Operating instructions

1 Safety instructions

Electrical devices may only be mounted and connected by electrically skilled persons.

Serious injuries, fire or property damage possible. Please read and follow manual fully.

Danger of electric shock. During installation and cable routing, comply with the regulations and standards which apply for SELV circuits.

Keep button cells out of reach of children! If button cells are swallowed, get medical help immediately.

Risk of explosion! Do not throw batteries into fire.

Risk of explosion! Do not recharge batteries.

These instructions are an integral part of the product, and must remain with the end customer.

Device components

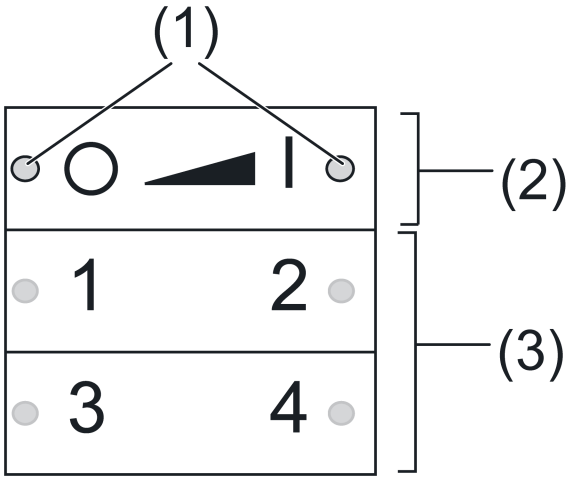

Figure 1

(1) LED
The LED of the respective side of the button lights up green as long as the button is pressed.
When the functions "Individually set luminaires" or "Service functions" are active, the LEDs light up red.
During commissioning, the LEDs indicate the status of the functions, see Chapter 4.

(2) Buttons for switching/dimming

(3) Scene buttons/functional buttons

Intended use

- ZigBee Light Link transmitter for operation of participants conforming with ZigBee Light Link, e.g. lamps, luminaires, light bands, ballast units, adapters
- The transmitter can cooperate with ZigBee Light Link devices or systems of other manufacturers, e.g. Philips Hue.
- Surface-mounted installation in interior areas

i Hereinafter, the participants will be called luminaires.

Product characteristics

- Supports the adjustment of: brightness, colour temperature, light colour and colour saturation
- Corresponds with the ZigBee Light Link specification
- Saving and recalling of up to 4 scenes
- Status indication with LED
- Battery-powered device
- Software update using separate additional device via radio possible

Insert battery

WARNING!
Risk of chemical burns.
Batteries can burst and leak.
Replace batteries only with an identical or equivalent type.

i Keep contacts of batteries and device free of grease.

- Observe polarity: The positive pole of the battery must be at the top.
- Apply battery to the positive contact of the battery holder and lock in place with little pressure.

2 Basic functions

2.1 Switching or dimming luminaires

i All luminaires connected to the transmitter will be collectively switched or dimmed.

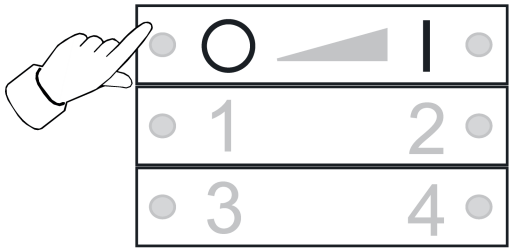

Figure 2

- Switch: Short press on ○ or I button.
- Dim: Long press on ○ the or I button. The dimming process ends when the button is released.

2.2 Recalling scenes

Scenes help you to save individual settings of one or more persons and to recall them with a single press of a button.

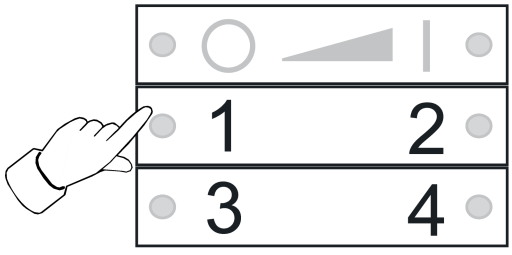

Figure 3

- Press the corresponding scene button 1 briefly until 4.

The luminaires that belong to that scene will switch to the saved values.

2.3 Saving scenes

If the scene shall be recalled from several transmitters, it must be saved at each transmitter separately.

- Luminaires that shall not be part of the scene must be disconnected prior to saving.
- Set the luminaires to the desired values, see chapter 3.

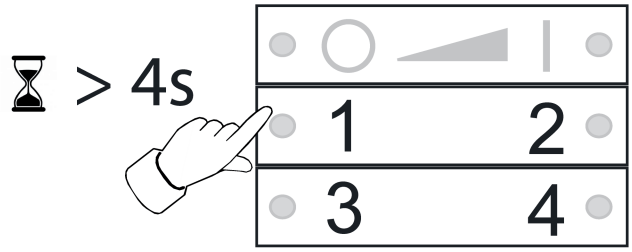

Figure 4

- Press the corresponding scene button 1 to 4 for longer than 4 seconds.
  The LED on the respective side of the button lights up green for 3 seconds. The scene has been saved on the selected button.

3 Setting luminaires individually

3.1 Selecting a luminaire

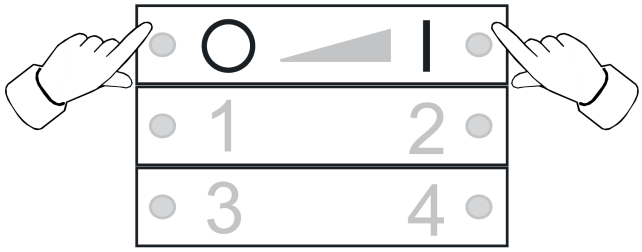

Figure 5

- Simultaneously press the O and I buttons shortly.
  LED lights up red.
  All luminaires that are connected to the transmitter are selected. The luminaires acknowledge this by e.g. short flashing.

If only a single luminaire shall be set, press the O and I buttons simultaneously until the respective luminaire is selected. When the last luminaire connected to the transmitter has been selected, all luminaires connected to the transmitter will be selected upon the next press.

- Switch on the luminaire by shortly pressing the I button.
- Set the luminaire. The available settings depend on the luminaire used.

Luminaire selection	O and I
Switching and brightness	O or I
Light colour	1
Colour saturation	2

Colour temperature	3 or 4

- Wait for approx. 6 seconds until the transmitter switches back the basic functions.
- As an option, save the settings as a scene, see chapter 2.3.

3.2 Switching or dimming luminaires individually

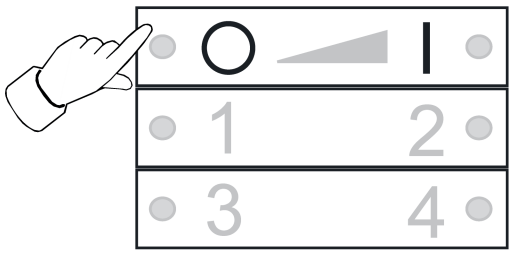

Figure 6

- Select a luminaire, see chapter 3.1.
- Switch: Short press on ○◢ or ◢I button.
- Dim: Long press on ○◢ the or ◢I button. The dimming process ends when the button is released.

3.3 Setting the light colour

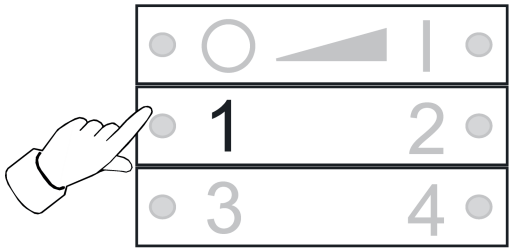

Figure 7

- Select a luminaire, see chapter 3.1.
- Setting a predefined colour: Press the 1 button until the desired light colour is set.
- Setting an individual light colour: Press the 1 button until the desired light colour is set.
  Depending on the current light colour, the colour changes towards the next predefined colour.

3.4 Setting the colour saturation

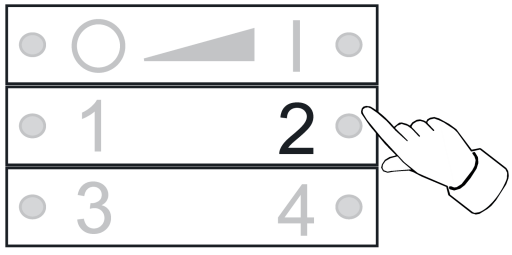

Figure 8

- Select a luminaire, see chapter 3.1.
- Setting the maximum colour saturation: shortly press 2.
- Setting individual colour saturations: Press the 2 button until the desired colour saturation is set.

3.5 Setting colour temperature

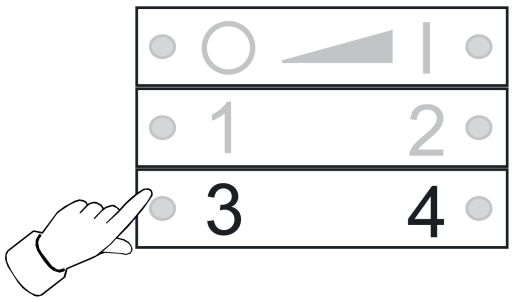

Figure 9

- Select a luminaire, see chapter 3.1.
- Setting warm white: shortly press the 3 button.
  The colour temperature is set to approx. 2700 K, which is typical for light bulbs.
- Setting cold white: shortly press the 4 button.
  The colour temperature is set to approx. 4500 K, which is typical for fluorescent lamps.
- Setting individual colour temperatures: hold the 3 or 4 button until the desired colour temperature is set.
  The colour temperature increases or decreases to the respective final value that the luminaire supports.

4 Commissioning

4.1 Basic commissioning procedure

Precondition 1:
During commissioning, the respective devices must have a distance of 10 to 50 cm to each other.

Precondition 2:
Each device can only be part of one network.

The luminaire shall be operated using a Philips Hue Bridge and transmitters.

- Commission the luminaire with a bridge.
- Add the transmitter to the network of the bridge.

i If the transmitter already had belonged to a network, reset the transmitter, see chapter 4.7.

i The procedure depends on the app used and may deviate from the procedure described herein. Up-to-date information can be found on our website.

- Start the Philips Hue app
- Select ⚙ "Settings"
- Select "Lamp settings".
- Press "**+**"
- Press "Search"
- Press the 3 and ◢ I buttons on the new transmitter simultaneously until the LEDs flash green.

i After approx. 10 seconds the transmitter searches for an open network.
LEDs light up green for 3 seconds. The transmitter has joined the network of the bridge.

LEDs flash red quickly for 3 seconds. The transmitter has not joined the network.

i The Phillips Hue Bridge app does not display transmitters of other manufacturers.

- Connect the luminaire to a transmitter, see chapter 4.2.

The luminaire shall exclusively be operated using a transmitter without connection to a Philips Hue Bridge

The luminaire has default settings.

- Connect the luminaire to a transmitter, see chapter 4.2.

or the luminaire belongs to another network.

- Reset luminaire, see chapter 4.5.
- Connect the luminaire to a transmitter, see chapter 4.2.

i For additional luminaires, repeat the corresponding actions.

The luminaire shall be operated with several transmitters without a connection to a Philips Hue Bridge

Precondition:
The lamp is already connected to a transmitter, see chapter 4.2.

- Add a new transmitter to the network, see chapter 4.3.
- Connect the luminaire to the new transmitter, see chapter 4.2.

4.2 Connecting a luminaire to a transmitter

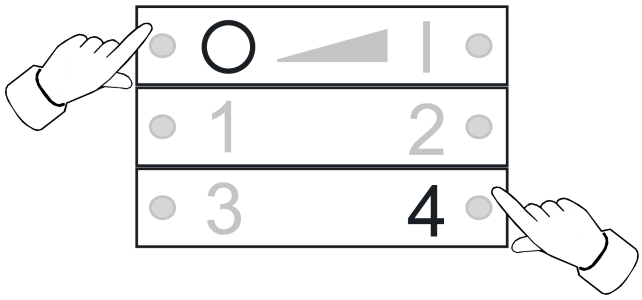

Figure 10

- Press the [O/] and [4] buttons simultaneously until the LEDs flash green.

  The luminaire flashes briefly. Connection in process.

  LEDs on transmitter light up green. Luminaire turns green or flashes twice. Connection has been set up successfully.

  LEDs on transmitter flash red quickly for 3 seconds. Could not set up connection.

i In case of error, the distance between the devices is too big.
Alternatively, all memory locations in the transmitter are occupied. In this case, delete all connections to luminaires that are no needed, see chapter 4.6.

4.3 Adding the transmitter to an existing network

i If the transmitter already had belonged to a network, reset the transmitter, see chapter 4.7.

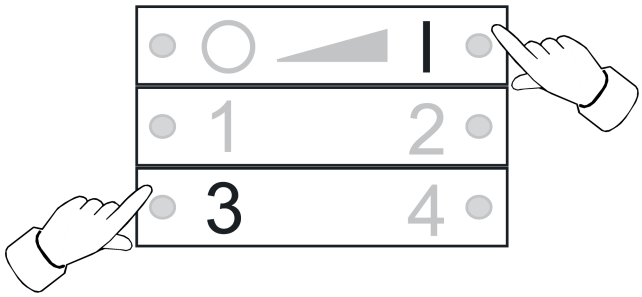

Figure 11

Precondition:
At least one luminaire must be switched on.

- Press the 3 and ◢ I buttons on the new transmitter simultaneously until the LEDs flash green.

  The new transmitter is in programming mode.
- Within 10 seconds. start a connection process on a transmitter from the existing network (see chapter 4.2 or the manual of the respective transmitter).

i After 10 seconds, if no connection process is started, the transmitter will search an open network in order to join it.

LEDs light up green for 3 seconds. Transmitter has been added to a network.

LEDs flash red quickly for 3 seconds. Transmitter has not been added to a network.

4.4 Cloning the transmitter

All connections of a transmitter will be transferred to another transmitter. This function can only be used with our transmitters.

- Add a new transmitter to the network, see chapter 4.3.

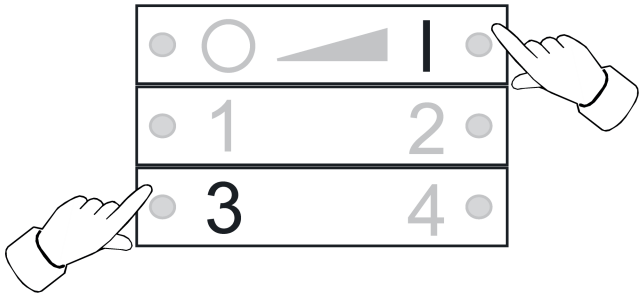

Figure 12

Precondition:
At least one luminaire must be switched on.

- Press the 3 and ◢ I buttons on the new transmitter simultaneously until the LEDs flash green.

  The new transmitter is in programming mode.
- Within 10 seconds, start a connection process on the transmitter to be cloned, see chapter 4.2.

  LEDs light up green for 3 seconds. The new transmitter has accepted the connection.

  LEDs flash red quickly for 3 seconds. The new transmitter has not accepted a connection.

4.5 Resetting a luminaire

All connections of the luminaire will be disconnected and the allocation to a network will be deleted.

i If several luminaires are mounted near to each other, it might be necessary to disconnect those luminaires from the mains that are not supposed to be reset.

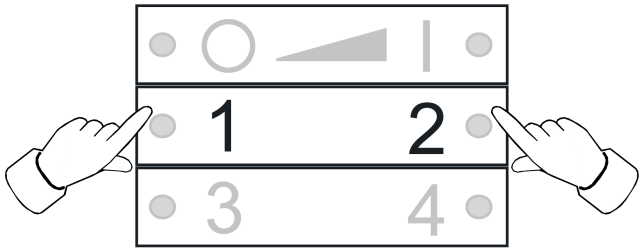

Figure 13

- Keep the 1 and 2 buttons pressed until the LEDs flash green.
  Lamp flashes. Resetting in process.
  LEDs light up green; lamp lights up. Resetting successful.
  LEDs flash red quickly for 3 seconds. Participant could not be reset.

4.6 Deleting connections from the transmitter to the luminaires

i The transmitter can save a maximum of 10 connections to luminaires. If the memory is full, a connection needs to be deleted first in order to be able to save a new connection.

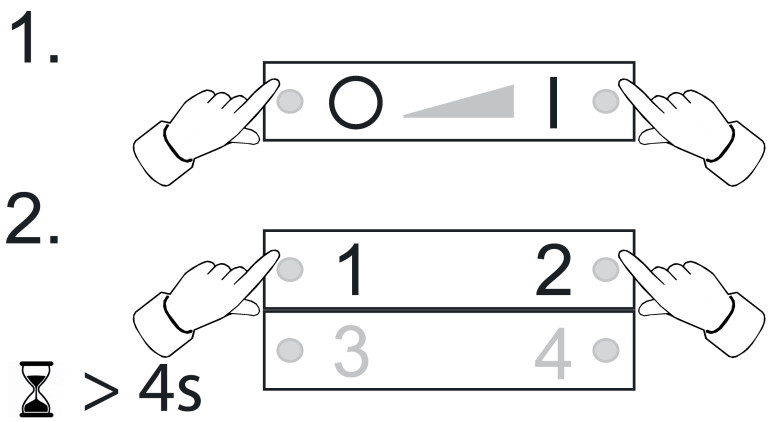

Figure 14

- Press O and I buttons simultaneously and briefly until the connection to be deleted is selected.
  LEDs light up red. All connections to luminaires are selected.
- Press the O and I buttons simultaneously and briefly until the connection to be deleted is selected.
  The corresponding luminaire flashes.

i If the corresponding luminaire is defective or does not exist any more, press the O or I buttons simultaneously until to luminaire flashes after pressing. The transmitter will indicate this by an LED flashing in red.

- Press the 1 and 2 buttons simultaneously for longer than 4 seconds.
  LEDs light up green for 3 seconds. The connection has been deleted from the transmitter.

4.7 Resetting the transmitter to the default setting

i All connections to luminaires will be disconnected and the allocation to a network will be deleted.

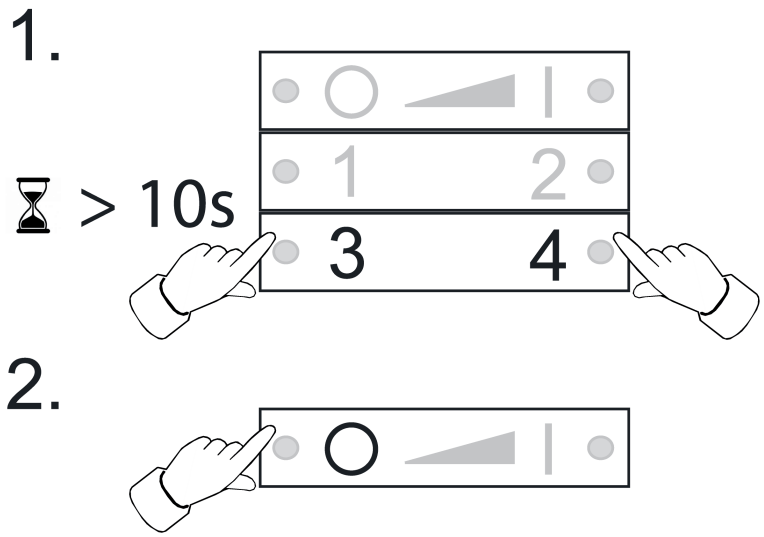

Figure 15

- Keep the 3 and 4 buttons pressed.
  After approx. 10 seconds, the LEDs flash green.
- Release the 3 and 4 buttons and press the ○◢ button within 10 seconds.
  Transmitter will be reset to the default settings. After completion, the LEDs light up green for 3 seconds.

5 Mounting

Screw mounting

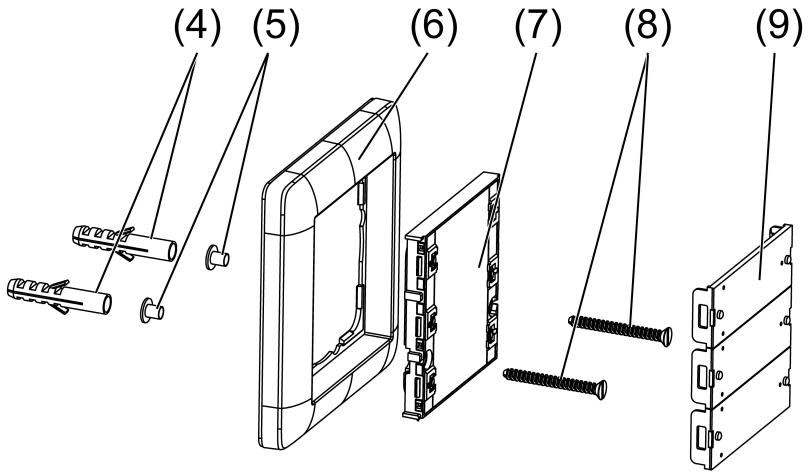

Figure 16: Screw mounting

- Using a screwdriver, carefully remove the button covers (9).
- Insert supplied threaded sleeves (5) through the screw holes from the rear.

- Mount the wall transmitter (7) and frame (6) directly to the wall using the screws (8) and anchors (4).
- Attach the button covers.

Glue mounting

In order to glue the wall transmitter directly to an even surface, e.g. glass, a base plate is available (see accessories).

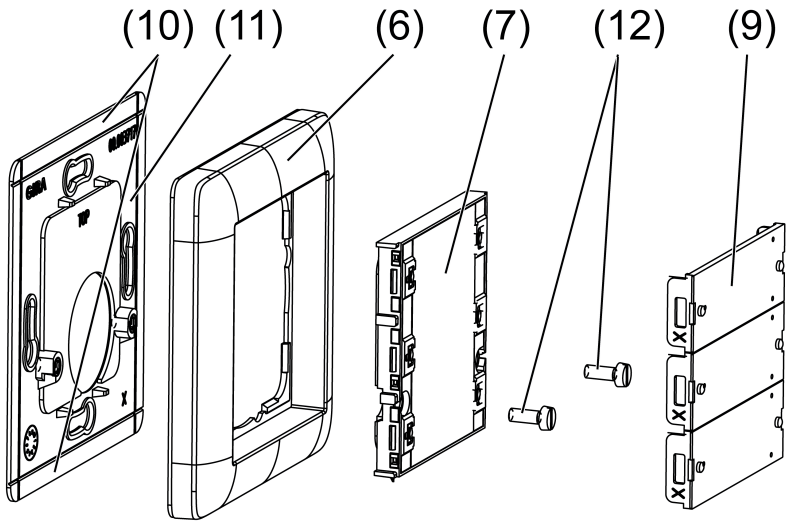

Figure 17: Glue mounting

i For multiple combinations with glue mounting, the edge pieces (10) of neighbouring base plates have to be broken off at the predetermined breaking points.

To ensure good adhesion, the substrate must be flat and free of dust and grease.

- Glue the base plate (11) (see Accessories chapter) directly to the surface.
- Using a screwdriver, carefully remove the button covers (9).
- Fix the wall transmitter (7) and frame (6) with the screws (12).
- Attach the button covers.

Installation in appliance box

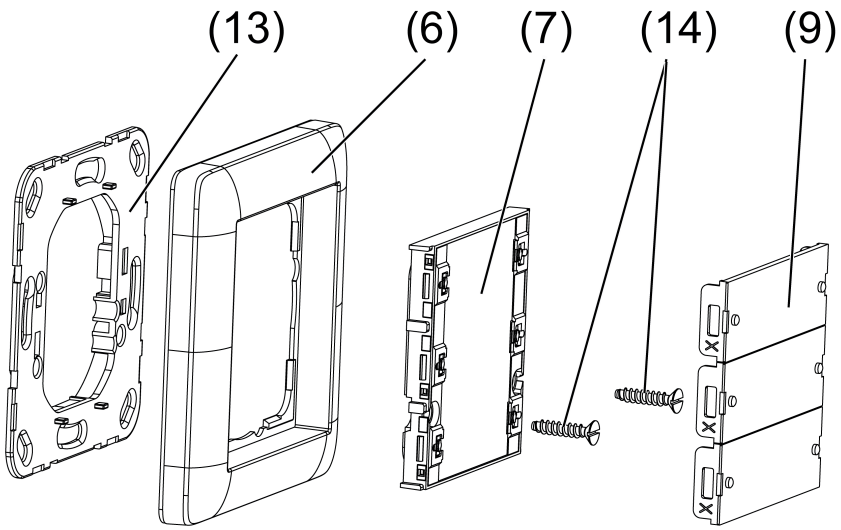

Figure 18: Installation in appliance box

- Use screws to fasten the supporting frame (13) (see Chapter 'Accessories') to the appliance box.
- Using a screwdriver, carefully remove the button covers (9).
- Use screws (14) to mount the wall transmitter (7) and frame (6) to the supporting frame.
- Attach the button covers.

6 Update device software

The device software is updated via radio. This requires a separately available additional device. Refer to the manual of the additional module.

Precondition 1:
The additional device must belong to the network of the transmitter.

Precondition 2:
The transmitter must not be in default.

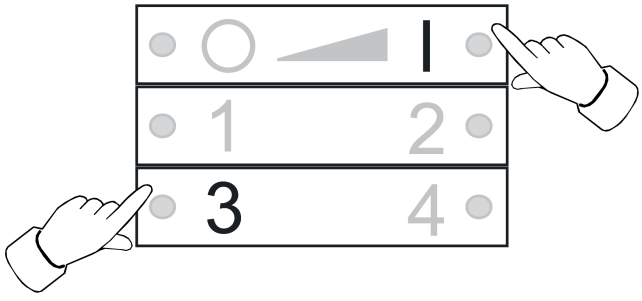

Figure 19

- Press the 3 and I buttons simultaneously until the LEDs flash green.
  After 10 seconds the LEDs flash green quickly: The transmitter searches for an update.
  The LEDs flash red: Update in process.
  The LEDs flash green for 3 seconds: Update successful.
  The LEDs flash red quickly for 10 seconds: Update not successful.

i In order to cancel the update, press any button.

7 Appendix

Remove empty batteries immediately and dispose of in an environmentally friendly manner. Do not throw batteries into household waste. Consult your local authorities about environmentally friendly disposal. According to statutory provisions, the end consumer is obligated to return used batteries.

7.1 Technical data

Rated voltage	DC 3 V
Battery type	1×Lithium CR 2450N
Ambient temperature	-5 ... +45 °C
Relative humidity	max. 80 % (No moisture condensation)
Storage/transport temperature	-25 ... +70 °C
Degree of protection	IP 20
Protection class	III
Number of connections	max. 10
Transmitting range in free field	typ. 100 m
Radio frequency	2.400 ... 2.483 GHz
Transmission capacity	< 10 mW

ZigBee®
Certified product
Light

This ZigBee® Certified product works in ZigBee Light Link networks (version 1.0; December 5th, 2014).

This device works with other ZigBee Light Link products.

Global 2.4 GHz wireless use.

ZigBee® Certified is a registered trademark of the ZigBee Alliance.

Figure 20

7.2 Troubleshooting

Removing a luminaire from a scene

Cause: a luminaire has not been disconnected from the mains when a scene was saved which it is not supposed to belong to.

Reset the luminaire and connect it to the transmitter again, see chapter 4.2.

The LED does not light up when a button is pressed.

Battery in the transmitter is empty.

Change the battery, see Inserting a battery.

7.3 Accessories

Mounting plate set	Order No. 5339 00
Support ring, plastic	Order No. 5338 00

7.4 Conformity

Gira Giersiepen GmbH & Co. KG hereby declares that the radio system type Order No. 2430 100 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

7.5 Warranty

The warranty follows about the specialty store in between the legal framework as provided for by law

Please submit or send faulty devices postage paid together with an error description to your responsible salesperson (specialist trade/installation company/electrical specialist trade). They will forward the devices to the Gira Service Center.

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