



REL5A-BLUETOOTH

Type 7651

100-240V~ 50/60Hz,  $\mu$

300W  $\cos \varphi = 0,5$  / 1000W Max. 4.3A

$t_a = -25^{\circ}\text{C} \dots +50^{\circ}\text{C}$

805



Reset

RELAY  
Load 300/  
1000W

100-240VAC

N N L L OUT



professional line

Relais  
REL5A BLUETOOTH

## Content

1.	About this document	25
2.	General safety precautions	25
3.	System description	26
4.	Electrical connection	30
5.	Installation	31
6.	Function	36
7.	Cleaning and maintenance	38
8.	Disposal	38
9.	Conformity	39
10.	Manufacturer's warranty	39
11.	Technical specifications	43
12.	Troubleshooting	44

## 1. About this document

- Under copyright. Reproduction either in whole or in part only with our consent.
- Subject to change in the interest of technical progress.



**Hazard warning!**



**Warning of hazards from electricity!**

## 2. General safety precautions



**Failure to observe these operating instructions presents hazards!**

These instructions contain important information on the safe use of this product. Particular attention is drawn to potential hazards. Failure to observe this information may lead to death or serious injuries.

- Read instructions carefully.
- Follow safety advice.
- Keep instructions within easy reach.
- Working with electrical current may produce hazardous situations. Touching live parts can result in electrical shock, burns or death.
- Work on mains voltage must only be performed by qualified, skilled personnel.

- National wiring regulations and electrical operating conditions must be observed (e.g. DE: VDE 0100, AT: ÖVE-ÖNORM E8001-1, CH: SEV 1000).
- Only use genuine replacement parts.

### 3. System description

#### Proper use

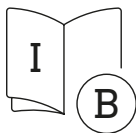
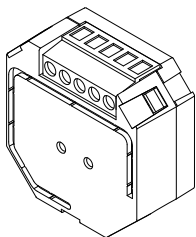
- Bluetooth relay that enables the switching of connected loads.
- Suitable for installation in a concealed box with a minimum depth of 60 mm.

#### Operating principle

- Bluetooth relay that enables the switching of connected loads that cannot be integrated into the Bluetooth independently, such as non-dimmable lights.
- Bluetooth relay follow the signals of other devices in the same group

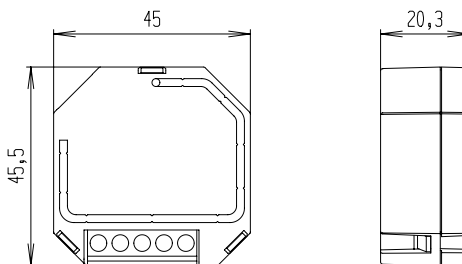
## Package contents

### 3.1

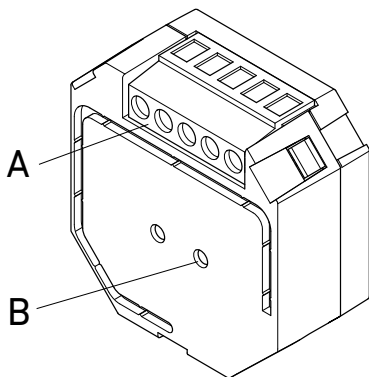


- 1 relay module
- 1 safety data sheet (A)
- 1 Quick start guide (B)

3.2



## 3.3

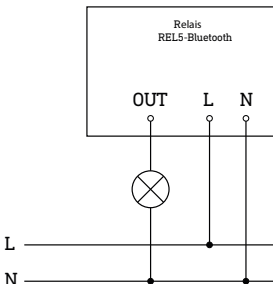


- A** Terminals
- B** Reset button

## 4. Electrical connection

### Circuit diagram

4.1



The mains supply lead is a multiple-core cable:

**L** = Phase (usually black, brown or grey)

**N** = neutral conductor (usually blue)

**OUT** = Phase output



## 5. Installation



### **Hazard from electrical power.**

Touching live parts can result in electrical shock, burns or death.

- Switch OFF power and interrupt power supply.
- Using a voltage tester, check to make sure that the power supply is disconnected.
- Make sure power supply remains interrupted.

### **Risk of damage to property!**

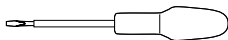
Mixing up connection leads may produce a short circuit.

- Identify connection leads.
- Connect the leads correctly.

### **Preparing for installation**

- Check all components for damage. Do not use the product if it is damaged.
- Familiarise yourself with the fitting situation and the relevant documentation
- Select an appropriate site to install the product.
  - Vibration-free.
  - Not in explosive atmospheres.
  - Not on normally flammable surfaces.

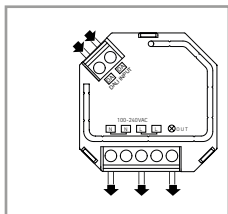
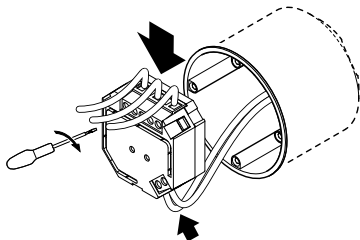
## 5.1



- Put together the tools and material needed:
  - Screwdriver.

## Installation procedure

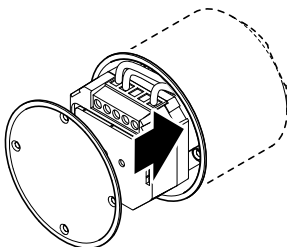
### 5.2



- Make sure the power supply is switched OFF.
- Connect mains power supply lead as shown in the wiring diagram.

→ „4. Electrical connection“

## 5.3



- Fit the relay module into the box.
- Fit a cover onto the box.

## 5.4



- Switch ON power supply
- Make settings via app

→ "6. Function"

## 6. Function

Functions are set via the Steinel Connect app.

### Steinel Connect app

To configure the luminaire via smartphone or tablet, you must download the STEINEL Connect app from your app store.

You will need a Bluetooth-capable smartphone or tablet.

Android



iOS



Functions that can be set via the Steinel Connect app:

- Time setting.
- Reach setting.
- Twilight setting.
- Basic light level function.
- Main light / basic light level adjustable.
- Extended reach adjustment.
- Group interconnection.
- Twilight setting by teach-in.

Note:

To rule out malfunctioning, a minimum distance of 3 m must be allowed from the Wi-Fi router and the access points.

## **Commissioning / power interruption**

The settings and current operating status of the device are saved automatically in the event of power failure or disconnection from the power supply. Settings are reactivated as soon as the mains power supply is restored.

## **Grouping**

The unit can be operated as a separate luminaire or several luminaires can be interconnected in groups via wireless communication.

All luminaires belonging to a group operate in line with the group parameters set in the Steinel Connect app. Reach can be set individually for all lights in the lighting group.

## **Neighbouring-light function**

The neighbouring-light function can be activated and deactivated via the Steinel Connect app.

This function assigns the neighbouring groups to the active lighting group. The active group responds to activation signals from the neighbouring group assigned to it and switches to main light or basic light as defined in the settings.

## 7. Cleaning and maintenance

The tool requires no maintenance.



**Hazard from electrical power.**

Contact between water and live parts can result in electric shock, burns or death.

- Only clean tool in a dry state.

## 8. Disposal

Electrical and electronic equipment, accessories and packaging must be recycled in an environmentally compatible manner.



**Do not dispose of electrical and electronic equipment as domestic waste.**

### **EU countries only:**

Under the current European Directive on Waste Electrical and Electronic Equipment and its implementation in national law, electrical and electronic equipment no longer suitable for use must be collected separately and recycled in an environmentally compatible manner.



## 9. Conformity

STEINEL GmbH hereby declares that the Relay REL5A Bluetooth radio equipment type conforms to Directive 2014/53 EU. The full wording of the EU Declaration of Conformity is available for downloading from the following internet address: [www.steinel.de](http://www.steinel.de)

## 10. Manufacturer's warranty

**Manufacturer's warranty** of STEINEL GmbH, Dieselstrasse 80-84,

DE-33442 Herzebrock-Clarholz, Germany.

All STEINEL products meet the highest quality standards. For this reason, we, the manufacturer, are pleased to provide you, the customer, with a warranty under the following terms and conditions:

The warranty covers the absence of deficiencies which are proven to be the result of a material defect or fault in manufacturing and which are reported to us immediately after detection and within the warranty period. The warranty shall cover all STEINEL Professional products sold and used in Germany.

### **Our warranty cover for consumers**

The provisions below apply to consumers. A consumer is any natural person who, on entering into the purchase transaction, neither acts in exercising their commercial nor their self-employed activity.

You can opt for warranty cover in the form of repair or replacement which will be provided free of charge (if applicable, in the form of a successor model of the same or higher quality) or in the form of a credit note.

In the case of sensors, floodlights, outdoor and indoor lights, the warranty period for the STEINEL Professional product you have purchased is **5 years** in each case from the date on which the product was purchased.

We shall bear the shipping costs but not the transport risks involved in return shipment.

### **Our warranty cover for entrepreneurs**

The provisions below apply to entrepreneurs. Entrepreneur is a natural or legal person or partnership with legal personality who or which, on entering into the purchase transaction, acts in exercising their or its commercial or self-employed activity.

We have the option of providing warranty cover by rectifying deficiencies free of charge, replacing a product free of charge (if applicable, in the form of a successor model of the same or higher quality) or by issuing a credit note.

In the case of sensors, floodlights, outdoor and indoor lights, the warranty period for the STEINEL Professional product you have purchased is **5 years** in each case from the date on which the product was purchased.

Within the scope of warranty cover, we shall not bear your expenses accruing from subsequent fulfillment nor shall we bear your expenses for removing the defective product and installing a replacement product.

### **Statutory rights accruing from defects, gratuitousness**

The warranty cover described here shall be applicable in addition to the statutory rights of warranty – including special consumer protection provisions – and shall not restrict or replace them. Exercising your statutory rights in the event of defects is gratuitous.

### **Exemptions from the warranty**

All replaceable lamps are expressly excluded from this warranty.

In addition to this, the warranty shall not cover:

- any wear resulting from use or any other natural wear of product parts or any deficiencies in the STEINEL Professional product that are attributable to wear caused by use or other natural wear,
- any improper or non-intended use of the product or any failure to observe the operating instructions,
- any unauthorised additions, alterations or other modifications to the product or any deficiencies attributable to the use of accessory, supplementary or replacement parts which are not genuine STEINEL parts,

- any maintenance or care of products that is not carried out in accordance with the operating instructions,
- any attachment or installation that is not in accordance with STEINEL's installation instructions,
- any damage or loss occurring in transit.

### **Application of German law**

The warranty shall be governed by German law excluding the United Nations Convention concerning the International Sale of Goods (CISG).

### **Making claims**

If you wish to make a warranty claim, please send your product complete and carriage paid with the original receipt of purchase, which must show the date of purchase and product designation, either to your retailer or directly to us at STEINEL (UK) Ltd. – 25 Manasty Road, Axis Park, Orton Southgate, GB- Peterborough Cambs PE2 6UP United Kingdom. For this reason, we recommend that you keep your receipt of purchase in a safe place until the warranty period expires.

**5 YEAR**  
MANUFACTURER'S  
WARRANTY

## 11. Technical specifications

- Dimensions (H x W x D): 45 x 45.5 x 20.3 mm
- Power supply: 100 - 240 V, 50/60 Hz

### Output, relay

- Resistive load: max. 4.3 A
- Capacitive load: max. 1.3 A
- Inductive load: max. 4.3 A
- Type of contact: 1 changeover

### Switching capacity:

- Incandescent / halogen lamp load:  
@230 V, 1000W
- LED-/ECG - load:  
@230 V, 300 W (max. 50 pcs,  $c < 176 \mu\text{F}$ )
- Mounting: installation box, junction box
- IP rating: IP20
- Temperature range:  $-20^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$
- The factory setting: contact open
- Bluetooth frequency: 2.4-2.48 GHz
- Bluetooth transmitter power: 5 dBm/ 3 mW

## 12. Troubleshooting

### **Unit without power.**

- Fuse not switched ON or faulty.
  - Switch ON fuse.
  - Change faulty fuse.
- Break in wiring.
  - Check wiring with voltage tester.
- Short circuit in mains power supply lead.
  - Check connections.
- Any mains switch OFF
  - Switch ON mains switch.

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