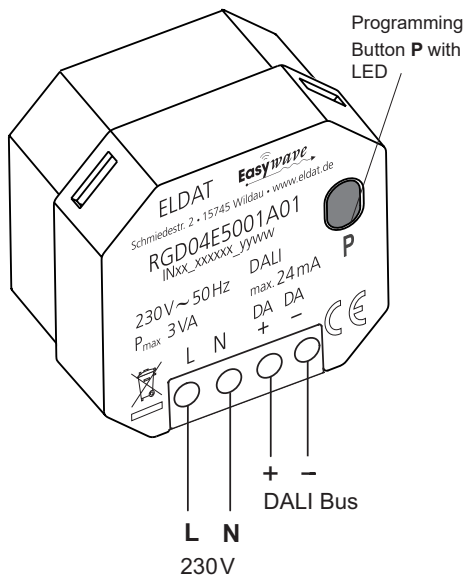


## Models



## RGD04E5001A01

## Technical Details

Frequency:	868.30 MHz
Modulation:	FSK
Coding:	Easywave
Power supply:	230 V ~ 50 Hz
Power consumption:	3 VA max
Current consumption:	35 mA max
Output current DALI:	24 mA max
Output voltage DALI:	18 V DC
Operating temperature:	0 °C to +60 °C
Dimensions (w/l/h):	48/48/25 mm
Weight:	30 g
Connecting cables:	2,5 mm <sup>2</sup> max

## Scope of Delivery


Flush-mounted DALI Gateway RGD04, operating manual

## Intended Use

This device may only be used as DALI power supply and as a gateway between Easywave transmitters and DALI actuators (DALI: Digital Adressable Lighting Interface).

The manufacturer will not be liable for damage caused by improper or inappropriate use.

## Safety Advice

 Before connecting and use this device, please read these instructions carefully!

- The electrical installation and programming must be performed by a licensed and qualified electrician. 
- Observe any applicable laws, standards and regulations as well as manufacturer instructions pertaining to the devices being connected!
- Have any malfunctioning devices inspected by the manufacturer!
- Do not perform unauthorized modifications to the device!
- **Caution! The RGD04 has an integrated DALI power supply. No additional DALI power supplies may be used on the same bus! The current consumption of all DALI devices connected to the bus must not exceed 24 mA in total!**

## Function


The DALI Gateway RGD04 enables DALI devices to be controlled by up to 32 Easywave transmitters.

A maximum of 24 mA can be provided on the bus for DALI devices. No additional power supply may be used on the same bus!

The gateway sends DALI commands as a broadcast in the operating mode "DIM two-button operation". In this operating mode, DALI devices can be dimmed up and down.

With a short press of a button, the electrical consumers are switched on to 100% or switched off to 0%.

A long press of the button dims the electrical consumers UP (button code A or C) or DOWN (button code B or D).

 It is not possible to use the button codes A+B and C+D of the same transmitter simultaneously!

Up to 32 Easywave transmitters with 2-button operation can be programmed, in order to control DALI devices by radio.

The operating mode and addressing cannot be changed.

## Start-up

The device is intended for the installation in standard flush-mounted installation boxes.

1. Switch off the power supply and connect the supply voltage according to the connection diagram.
2. Connect the RGD04 to the DALI bus using the DALI terminals.  
Note that no other DALI power supplies may be connected to the DALI bus!
3. Switch the power supply back on. After that, the gateway is ready for operation. The LED is off. The gateway supplies power to the DALI bus and all connected DALI devices (max. 24 mA).
4. Program the Easywave transmitters to be used with the gateway (see „Program transmitters“).
5. Close the installation box with the corresponding cover.

**Attention!** Make sure there is no interference with the wireless connection. Do not mount the device in a distribution box, in metal casings, in direct proximity to large metal objects, on the floor or close to it.

## Program transmitters

1. Briefly (< 1,6s) press the programming button **P** on the RGD04 one time.  
The LED will flash slowly.
2. Within 30 seconds, push a button of the transmitter to be paired. The LED will light up for 4 seconds and then turn off.  
The transmitter is now programmed.  
Repeat the process for other transmitters to be programmed, if necessary.  
If no buttons are pressed for 30 seconds during the programming process, the gateway will automatically go back to operating mode.

## Delete individual transmission codes

1. Press the programming button **P** on the RGD04 for more than 1,6 seconds.  
The LED will flash quickly.
2. Press a button of the transmitter to be deleted.  
The LED will light up for 4 seconds and then turn off.  
The transmission code is deleted.


## Delete all transmission codes

1. Press the programming button **P** on the RGD04 for more than 1,6 seconds.  
The LED will flash quickly.
2. Press the programming button **P** on the RGD04 again for more than 1,6 seconds.  
The LED will light up for 4 seconds and then turn off.  
All transmission codes are deleted.

## Disposal

**Waste electrical products not be disposed of with household waste!**

Dispose of the waste product via a collection point for electronic scrap or via your specialist dealer.


Put the packaging material into the recycling bins for cardboard, paper and plastics. 

## Warranty

Within the statutory warranty period we undertake to rectify free of charge by repair or replacement any product defects arising from material or production faults.

Any unauthorized tampering with, or modifications to, the product shall render this warranty null and void.

## Conformity

Hereby, ELDAT EaS GmbH declares that the radio equipment type RGD04 is in compliance with Directive 2014/53/EU. 

The full text of the EU declaration of conformity is available at the following internet address: [www.eldat.de](http://www.eldat.de)

## Customer Service

If the device does not work properly despite proper handling or in case of damage, please contact the manufacturer or your retailer.

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