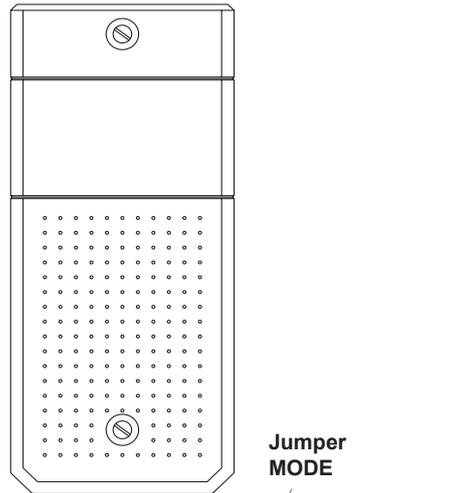


Model

Technical Data

Funktion



Frequency:	868.30 MHz
Radiated power:	max. 22.9 mW
Modulation:	FSK
Coding:	Easywave
Power supply:	
RTS43E5002A02	12-24 V AC/DC
RTS43E5002A01	230 V AC
	(Connection cable: NYM-J min. 1.5 mm ²)
Power consumption:	
Quiescent current	
12-24 V DC	6 mA
230 V AC	10 mA
Transmission current	
12 V DC	50 mA
24 V DC	27 mA
12 V AC	66 mA
24 V AC	39 mA
230 V AC	12 mA
Protection rating:	IP 65
Operating temperature:	-20 °C to +60 °C
Range:	typically 300 m with good free field conditions
Dimensions:	162x70x38 mm
Weight:	200 g

The RTS43 wall-mounted transmitter can extend the switching functions of existing switches or buttons using a wireless interface.

The transmitter checks whether the power has been coupled to a switch or button, and transmits the corresponding Easywave code A or B to an Easywave wireless receiver, which then activates a connected device. The LED indicates an outgoing wireless signal.

Selecting the SWITCH or BUTTON mode is done using the Jumper MODE (see section "Select Mode").

The default factory setting for the RTS43 is to connect a button (jumper position 1-2).

Start-Up

1. Screw on the housing cover and attach the transmitter to the wall using the included screws and wall plugs.



Avoid wireless interference. Avoid installing in a junction box, metallic housings, in the immediate vicinity of large metallic objects, on the ground or near these objects.

2. Select mode:
Button: Jumper in position 1-2
Switch: Jumper in position 2-3

3. Turn off the power supply to the circuit. Connect the power supply cable and the switch or button in a de-energised state in accordance with the connection examples (see section „Connection examples“).



The terminals are designed for 2x 2.5 mm² cable cross-sections. Use connecting cables such as NYM-J min. 1.5 mm². Disconnect the PE cable. Insert all of the connecting cables into the device through the water-resistant PG cable glands. After installation, check the tightness of the device.

4. Screw down the housing cover and switch the power supply back on.

5. Programme the RTS43 transmission codes into the receivers of the devices to be controlled. By pressing the switch or button, the transmission code is assigned to the receiver. Please also read the operating manuals for the receiver.

Scope of Delivery

Wall-mounted transmitter RTS43, mounting kit, operating manual

Intended Use

The wall-mounted transmitter RTS43 may only be used to operate Easywave wireless receivers. The manufacturer shall not be liable for any damage caused by improper or non-intended use!

Safety Advice

Before using the device, carefully read through this operating manual!

Caution! Electrical installation must only be carried out by a qualified electrician and only when there is no voltage present!

When the remote learning function is activated, the transmitter is live. Do not touch any live electrical parts.

When connecting the mains voltage supply with 230 V AC, an isolating protective device capable of disconnecting all poles must be present in the electrical circuit (e.g. automatic circuit breaker 16 A).

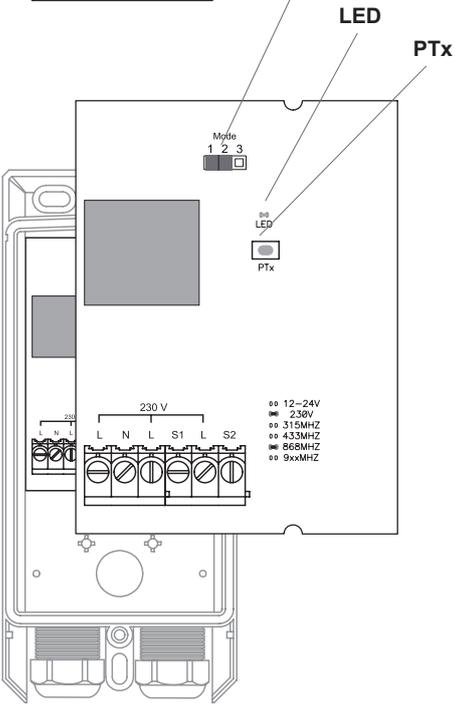
The device is only intended to be securely mounted on a wall.

Note also the operating manual(s) for the receivers!

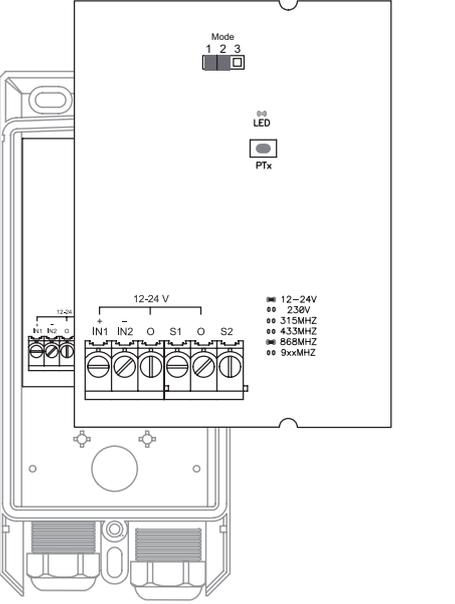
Note the device-specific standards, VDE and TÜV regulations!

Do not make any modifications to the device!

Have faulty devices checked by the manufacturer!



RTS43E5002A01 230 V



RTS43E5002A02 12-24 V

Select Mode

BUTTON Mode

Jumper **MODE** in position 1-2



The transmitter sends for as long as a button is pressed, but for a maximum of 36 seconds.

Button 1: Input S1 Transmission code **A1**

Button 2: Input S2 Transmission code **B1**

SWITCH mode

Jumper **MODE** in position 2-3



When the switch changes state, the transmitter sends a switching pulse lasting approx. 0.5 seconds.

Switch 1: Input S1

Close switch: Transmission Code **A1**

Open switch: Transmission Code **B1**

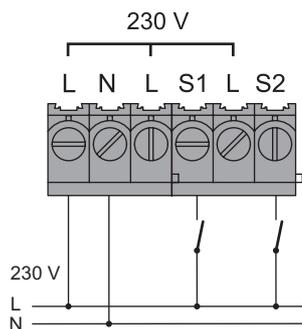
Switch 2: Input S2

Close switch: Transmission Code **A2**

Open switch: Transmission Code **B2**

Connection Examples

RTS43E5002A01 230 V



L: Power supply, 230 V AC

N: Power supply, 230 V AC

S1: Switch input 1

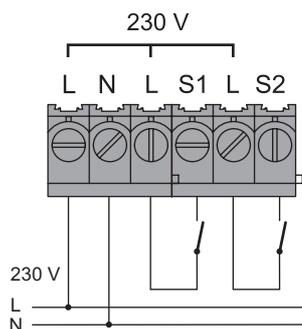
S2: Switch input 2

The three L terminals are internally bridged and can be used to connect S1 and S2.

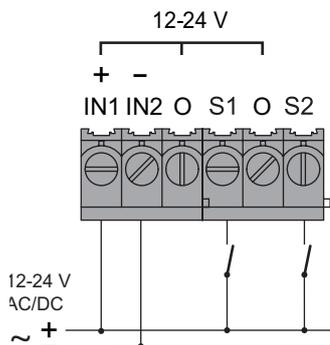


Connecting electrical devices to the L terminals is not permitted! The bridged L terminals are exclusively intended for connecting the S1 and S2 switch inputs!

Each L, with the same reference potential (N) as the power supply, can be used to connect S1 and S2.



RTS43E5002A02 12-24 V



IN1: Power supply

AC: 12-24 V

DC: + 12-24 V

IN2: Power supply

AC: 12-24 V

DC: - 12-24 V

O: Output

S1: Switch input 1

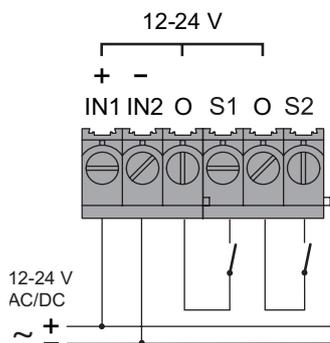
S2: Switch input 2

and S2 must always be connected with the potential applied to IN1!

Other "O" outputs are internally bridged with IN1 and can therefore be used as the source.



Connecting electrical devices to the output terminals (O) is not permitted! The output terminals (O) are exclusively intended for connecting the S1 and S2 switch inputs!



Remote Learning Function

By pressing the teach-in button PTx, compatible receivers, which are programmed with RTS43, can also be set to learning mode or delete mode while installed.



The transmitter is live. Do not touch any live parts (terminal, transformer) when pressing the PTx button.

To start the remote learning, the connected switch elements must be open and a button must be connected.

The jumper serves exclusively to select which transmission code the remote learning function should trigger.

Jumper Position 1-2	Jumper Position 2-3
S1-->Transm. code A1	S1-->Transm. code A1
S2-->Transm. code B1	S2-->Transm. code A2

For more information please refer to the operating manual for the respective receiver.

Disposal

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

Dispose of the waste product at a designated collection point for electronic waste or via your specialist retailer.

Dispose of the packaging material in the recycling containers for cardboard, paper and plastics.



Warranty

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

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

Conformity



ELDAT GmbH hereby declares that the radio equipment type RTS43 is in compliance with the Directive 2014/53/EU.

The full text of the EU declaration of conformity can be obtained at the following internet address: www.eldat.de

Customer Service

If, despite correct handling, faults or malfunctions occur or in case of damage, please contact your retailer or the manufacturer.

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