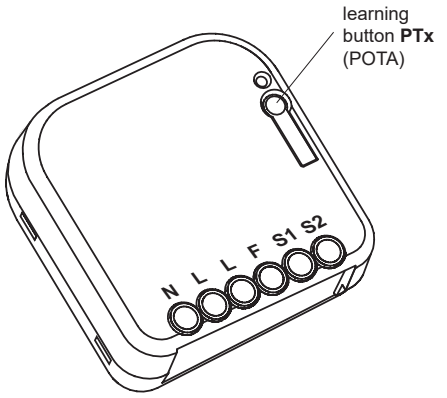
EN Flush-mounted Transmitter RTS39

Model



RTS39E5002D01

Technical Details

Frequency:	868.30 MHz
Radiated power:	0.12 mW
Modulation:	FSK
Coding:	Easywave
Power supply:	230 V AC 50 Hz
Power consumption:	max. 0.25 W 0.08 W stand by
Range:	free-field: approx. 150 m buildings: approx. 30 m
Operating temperature:	-20 °C to +60 °C
Dimensions:	43/42/17.5 mm
Weight:	32.0 g

Scope of Delivery

Flush-mounted transmitter, jumper, operating instructions

Intended Use

The flush-mounted transmitter may only be used to operate Easywave radio 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 the operating instructions

- The electrical installation may only be performed by an authorised and qualified electrician.
- A suitable, easily accessible disconnecting device (e.g. automatic circuit breaker) is required for the electric power supply circuit of the flush-mounted transmitter.
- Never control moving devices or heaters without observation.
- Note also the operating instructions of the radio receiver.
- Have faulty radio controls checked by the manufacturer!
- Do not make any unauthorized alterations or modifications to the transmitter!

Function

With the flush-mounted transmitter RTS39, the functionality of existing switches or buttons can be extended by a radio interface.

If a voltage is detected at the inputs S1 or S2, the transmitter transmits the corresponding Easywave code (A/B) to an Easywave receiver, which then switches another device.

Shutter-Controls may only be used to control 2-button motor operation modes!

Start-Up

1. Disconnect the electrical circuit and mount the transmitter into a standard junction box.

   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!
2. If you want to connect a switch, put the attached jumper between the **L** and **F** terminals. When delivered, the RTS39 is in button-mode (jumper not set).
3. Connect the power supply wires and switches or buttons in a voltage-free state (as shown in the figures 1-3).
   The cable length for connections to the terminals S1 and S2 must not exceed 3 meters.
4. Put the lid on the junction box. Then turn on the power supply. Program the transmission code into the receiver. Please read the operating instructions supplied with the receivers.

The button / switch may now be pressed, in order to transmit the corresponding radio command to a receiver.

SWITCH (jumper set between L+F)

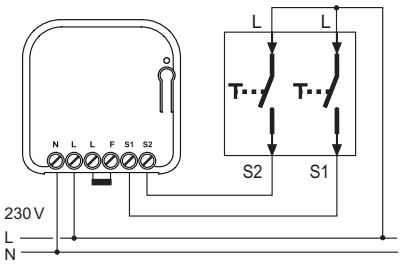


fig. 1

The transmission starts on every change of state of the switch and lasts approx. 0,5 seconds.

switch 1: input S1
close switch: --> code **A1**
open switch: --> code **B1**

switch 2: input S2
close switch: --> code **A2**
open switch: --> code **B2**

PUSH-BUTTON (no jumper between L+F)

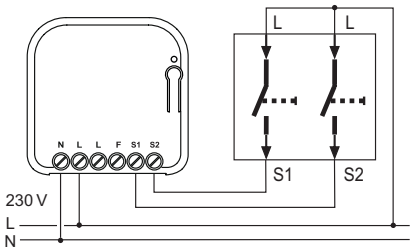


fig. 2

Transmission lasts as long as the button is pressed but max. 36 seconds.

push-button 1: input S1 --> code **A1**
push-button 2: input S2 --> code **B1**

SHUTTER-CONTROL (no jumper between L+F)

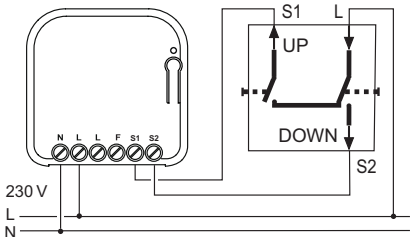


fig. 3

Transmission lasts as long as the button is pressed but max. 36 seconds.

push-button 1: input S1 --> Code **A1**
push-button 2: input S2 --> Code **B1**

Programming transmitter

The RTS39 is programmed into the Easywave receiver by sending the desired transmission code (A1/A2/B1/B2).

To do this, press a connected push-button or switch during the according step of the learning procedure.

For more information about the learning process, read the operating instructions of the respective receiver.

Remote Learning

The RTS39 supports the POTA (Programming Over The Air) remote programming function. This can be used to reprogram an already-installed and no longer accessible receiver, as long as the the RTS39 is programmed into it.

Note that connected switching elements must be open and a push-button must be used necessarily.

By pressing the PTx button, the RTS39 activates the remote learning (POTA-)mode for 5 seconds and the LED PTx flashes slowly.

While being in this mode, POTA-commands are transmitted, as the connected buttons are pressed.

The jumper is used only for selecting the code for the remote learning function, according to the following scheme:

without jumper	**with jumper**
S1 --> code **A1**	S1 --> code **A1**
S2 --> code **B1**	S2 --> code **A2**

A detailed POTA programming manual is available on our website:
https://www.eldat.de/pota_en.pdf
or you can request support from our customer service.

Disposal

Waste electrical products should 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

We will remedy defects on the device based on material or production errors or exchange the device within the statutory warranty period.

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

Conformity

CE

Hereby, ELDAT EaS GmbH declares that the radio equipment type RTS39 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

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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