

# PRODUCTS

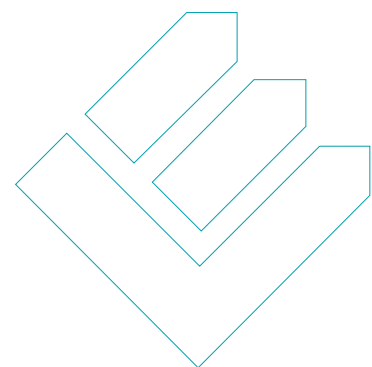
January 2018

**Easy***wave*

*secwave*

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security





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## LIGHT AND MOTOR CONTROL, UNIVERSAL APPLICATIONS

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## SENSORS

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## ASSISTED LIVING

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## HEATING CONTROL

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## INTERFACES

## General Information

### The Easywave radio system

ELDAT first developed the Easywave radio system in 2001, together with partners from the electrical industry. Since then, Easywave has been continuously adapted to meet market requirements.

In developing Easywave, the objective was and remains to this day to create a cost-effective system bearing the "Made in Germany" label, which is easy to use, saves time and optimizes costs.

### Easywave radio: Key technical data

Easywave is a frequency-modulated system which operates at a frequency of 868.3 MHz. While most transmitters have a transmission power below 1 mW, the maximum power in this frequency band is 25 mW.

The transmission duration is regulated and is subject to a maximum duty cycle of 1 %, in other words, a maximum of 36 seconds can be transmitted per hour.

Given the regulations in place across Europe, this radio band is ideal for a wide variety of applications.

There is also no risk of electrosmog as less than 1 mW of transmission power is required for only a few milliseconds. Even wires that are constantly live generate higher loads than an active Easywave transmitter. In this way, Easywave radio can even be used in a medical environment.

### Range

The range of a transmission path depends on many factors. For this reason, caution must be taken when making claims about range. A relatively reliable indicator of range is the range in free-field conditions. Easywave products aim to achieve a range of at least 150 m in optimal free-field conditions.

Factors which may influence the range include the mounting site, the mounting surface, objects in the transmission path, the power of the transmitter and the sensitivity of the receiver.

As an example, the following estimates indicate to what extent objects in the transmission path can cause attenuation:

Material	Attenuation
Air/free field	0 %
Wood/plaster	5-20 %
Brick/concrete	10-40 %
Reinforced concrete	50-90 %
Metal walls/metal grating	90-100 %

Should the range be insufficient in certain cases, it can be increased with the help of repeaters.

## General Information

### Applications

Our customers use Easywave for a wide range of applications. Installing radio systems is a convenient and clean solution for technical building services, and has evidently been met with growing enthusiasm on the market.

The main demand is for systems that can be used for a variety of applications and that are capable of far more than just controlling lighting and roller shutters.

Our reliable Easywave radio system answers this call for flexibility and product diversity. Simple lighting or blind controls can be retrofitted with hand transmitters or radio wall switches that are easy to mount or attach on the wall.

Existing switch systems can be enhanced with radio wall switches as these can be integrated into the appropriate cover frame.

Other electronic devices, such as fans or air conditioning units, can be switched on or off

using hand transmitters combined with the appropriate receivers or door/window contacts and other sensors.

Radio technology is also ideal when it comes to technology in meetings and seminars, whether it is used to dim the lights or to move projector screens.

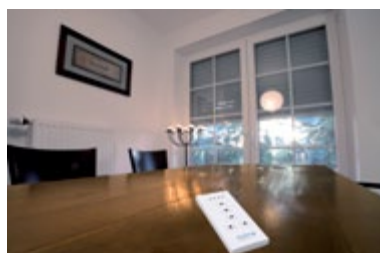
Moreover, today's demographic change requires that technology be upgraded and modernized in order to improve our personal comfort and thereby enable people to lead autonomous lives. Here, radio technology plays an ever greater role which we live up to with our product range.

In short, Easywave radio technology is not only contemporary but it is also extremely flexible and can be relied on from room to room.

Below are examples of two major areas of application:

#### Applications all around the building

for lighting, roller shutters, awnings, windows, doors, gates, heating, air-conditioning, ventilation, access, etc.



#### Applications in the area of assisted living (AAL)

for wheelchairs, environment control, nursing beds, call systems, assistive technology, signaling and monitoring devices, etc.



## General Information

### General guidance on how Easywave technology works

The system can generally be programmed very easily using a single button on the **receiver**.

This programming button triggers 3 functions:

#### Learn mode

A transmitter or a transmitter button is programmed into a receiver's memory. A receiver reacts only to preprogrammed transmitters.

#### Delete mode

Individual programmed transmitters or transmitter buttons are erased from the receiver's memory. The receiver subsequently no longer reacts to this transmitter.

#### Reset

A reset will erase all transmitters from a receiver's memory and will restore the receiver to the factory default settings. The receiver subsequently no longer reacts to any transmitters.

Each **transmitter** has a unique serial number. The buttons of a transmitter have the key codes A, B, C or D.

In this way, each transmitter has a **serial number** and each serial number has up to four **key codes**. A transmitter with more than four buttons has several serial numbers.

Depending on its intended use, each **receiver** has one or several operating modes:

#### 1-button operation

A defined sequence of different functions is triggered by using one transmitter button. For example, ON/OFF, PULSE, DEADMAN.

A transmitter with four buttons (A, B, C, D) could control four different devices.

#### 2-button operation

For this operating mode, a pair of buttons is always necessary. The A and B buttons as well as the C and D buttons are pairs of buttons.

For example, the A button can be used to switch ON and the B button to switch OFF, or the A button can be used to move UP and the B button to move DOWN. The C and D pair of buttons operates in the same way.

#### 3-button operation

3-button operation is generally used for motor applications. Here, the A button has the UP function, the B button has the DOWN function and the C and D buttons (if available) have the STOP function.

## General Information

### PULSE

Regardless of the duration for which the transmitter button is pressed, the receiver or the control is activated for 1 second (= one pulse).

### DEADMAN

The receiver or the control remains activated as long as the transmitter button is pressed. However, it is important to note that the maximum transmission duration is 36 seconds. Depending on the product, however, it may also be shorter.

### TIMER

Regardless of the duration for which the transmitter button is pressed, the receiver or the control is activated for a period of time determined by the product.

Moreover, there are also receivers with specific operating modes for specific applications.

These operating modes and the buttons assigned to them are described in the operating manual of the relevant receiver.

The functions assigned to the key codes for each corresponding operating mode can be found in the following table:

Operating mode		Key code / Function				Explanation
		A	B	C	D	
PULSE		PULSE	PULSE	PULSE	PULSE	switching duration depending on the product
1-button operation	universal	ON/OFF	ON/OFF	ON/OFF	ON/OFF	sequenced switching
	motor	no products				
2-button operation	universal	ON	OFF	ON	OFF	
	motor	UP	DOWN	UP	DOWN	stop with the opposite direction button
3-button operation	universal	no products				
	motor	UP	DOWN	STOP	STOP	
DEADMAN		ON	ON	ON	ON	as long as button is pressed
TIMER		ON	ON	ON	ON	switching duration depending on the product



## Compatibility Chart

	HAND TRANSMITTERS															BUILT-IN TRANSMITTERS					WALL TRANSM.				
RECEIVERS	RT21E5001-01	RT21E5002-01	RT22E5022-01	RT26E5001-12	RT27E5001-11	RT28E5001-11	RT30E5001-01	RT30E5004-01	RT32E5001-01	RT32E5004-01	RT34E5004-01	RT34E5005-01	RT34E5010-01	RT39E5023-01	RT42E5004-01	RT43E5004-01	RTS03E5004-01	RTS03E5004-02	RTS17E5001-01	RTS39E5002B01	RTS41E5001-01	RTS05E5001-01	RTS05E5001-02	RTS05E5001A03	RTS07E5004-01
RCJ01E5001-01	x	x	x	x	x	x	-	x	-	-	x	x	x	(x)	x	x	x	-	x	x	-	x	x	-	(x)
RCJ01E5001-02	x	x	x	x	x	x	-	x	-	-	x	x	x	(x)	x	x	x	-	x	x	x	x	x	-	(x)
RCJ01E5001-03	x	x	x	x	x	x	-	x	-	-	x	x	x	(x)	x	x	x	-	x	x	x	x	x	-	(x)
RCJ01E5002-01	-	-	x	-	-	-	x	x	x	x	x	-	-	x	x	x	-	x	-	-	-	-	-	-	x
RCJ01E5002-04	-	x	-	-	-	-	x	x	-	-	-	x	-	(x)	x	x	(x)	-	-	(x)	-	-	-	-	(x)
RCJ02E5002-01	-	-	x	-	-	-	x	x	x	x	x	-	-	x	x	x	-	x	-	-	-	-	-	-	x
RCJ06E5001-01	x	x	x	x	x	x	-	x	-	-	x	x	x	(x)	x	x	x	-	x	x	x	x	x	-	(x)
RCJ14E5001-01	x	x	x	x	x	x	-	x	-	-	x	x	x	(x)	x	x	x	-	x	x	-	-	x	-	-
RCJ15E5001-01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RCJ16E5001-01	-	x	x	-	-	-	-	x	-	-	x	x	-	(x)	x	x	x	-	-	x	-	-	-	-	(x)
RCL03E5002-01	x	x	x	x	x	x	-	x	-	-	x	x	x	(x)	x	x	x	-	x	x	x	x	-	-	-
RCL04E5002-01	x	x	x	x	x	x	-	x	-	-	x	x	x	(x)	x	x	x	-	x	x	x	x	-	-	-
RCL07E5002-01	x	x	x	x	x	x	-	x	-	-	x	x	x	-	x	x	x	-	x	x	x	x	x	-	-
RCL07E5002-11	x	-	-	x	x	x	-	-	-	-	-	-	x	-	-	-	x	-	x	x	-	x	x	x	-
RCP02E5001-01	x	x	-	x	x	x	-	x	-	-	-	-	x	-	x	x	x	-	x	x	x	x	-	-	-
RCP04E5001-11	x	x	-	x	x	x	-	x	-	-	-	-	x	-	x	x	x	-	x	x	x	x	-	x	-
RCP05E5001-01	x	x	x	x	x	x	-	x	-	-	x	x	x	(x)	x	x	x	-	x	x	-	x	x	-	(x)
RCP15E5001-01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RCP09E5001-11	x	x	-	x	x	x	-	x	-	-	-	-	x	-	x	x	x	-	x	x	x	x	x	x	-
RCP14E5001-01	x	x	x	x	x	x	-	x	-	-	x	x	x	x	x	x	x	-	x	x	-	-	-	-	-
RCR02E5002A01	x	x	x	x	x	x	-	x	-	-	x	x	x	(x)	x	x	x	-	-	x	-	x	x	-	(x)
RCR02E5004A01	x	x	x	x	x	x	-	x	-	-	x	x	x	(x)	x	x	x	-	-	x	-	x	x	-	(x)
RCR03E5002A01	-	x	x	-	-	-	x	x	x	x	x	x	-	x	x	x	(x)	x	-	(x)	-	-	-	-	x
RCR03E5004A01	-	x	x	-	-	-	x	x	x	x	x	x	-	x	x	x	(x)	x	-	(x)	-	-	-	-	x
RCS04E5002-01	x	x	x	x	x	x	-	x	-	-	x	x	x	(x)	x	x	x	-	x	x	-	-	x	-	-
RCU09E5002-01	-	x	-	-	-	-	x	x	-	-	-	-	-	(x)	x	x	x	-	-	x	-	-	-	-	-
RCU10E5001-01	x	x	x	x	x	x	-	x	-	-	x	x	x	(x)	x	x	x	-	x	x	-	x	x	-	(x)
RS26E5001-22	x	x	-	x	x	x	-	x	-	-	-	-	-	-	x	x	x	-	x	x	-	x	-	x	-

(x) = with restrictions

x = recommended use

Depending on the application, other combinations are also possible. We would be happy to advise you!

## Compatibility Chart

	WALL TRANSMITTERS																												
RECEIVERS																													
	RTS08E5001-01	RTS08E5001A02	RTS08E5001A03	RTS08E5002-01	RTS08E5004-01	RTS13E5001-01	RTS13E5003-01	RTS14E5002-01	RTS14E5003-01	RTS14E5006-01	RTS22E5001-01	RTS22E5001-02	RTS22E5002-01	RTS22E5002A04	RTS23E5001-01	RTS23E5002-01	RTS23E5004-01	RTS25E5001-01	RTS25E5001-02	RTS32E5001-01	RTS32E5002-01	RTS33E5001-01	RTS33E5002-01	RTS33E5004-01	RTS34E5001-01	RTS34E5002-01	RTS35E5001-01	RTS35E5002-01	RTS35E5004-01
RCJ01E5001-01	x	-	-	x	x	-	x	-	x	x	-	x	x	-	-	-	x	x	x	-	x	-	-	x	-	x	-	-	x
RCJ01E5001-02	x	-	-	x	x	-	x	-	x	x	-	x	x	-	-	-	x	x	x	-	x	-	-	x	-	x	-	-	x
RCJ01E5001-03	x	-	-	x	x	-	x	-	x	x	-	x	x	-	-	-	x	x	x	-	x	-	-	x	-	x	-	-	x
RCJ01E5002-01	-	-	-	-	x	x	-	x	-	-	-	-	-	-	x	-	-	-	-	-	-	x	-	-	-	-	x	-	-
RCJ01E5002-04	-	-	-	x	x	-	-	-	(x)	-	x	-	-	-	-	x	-	-	-	x	-	-	x	-	x	-	-	x	-
RCJ02E5002-01	-	-	-	-	x	x	-	x	-	-	-	-	-	-	x	-	-	-	-	-	-	x	-	-	-	-	x	-	-
RCJ06E5001-01	x	-	-	x	x	-	x	-	x	x	-	x	x	-	-	-	x	x	x	-	x	-	-	x	-	x	-	-	x
RCJ14E5001-01	-	-	-	x	x	x	x	x	x	x	x	-	x	-	-	x	x	-	-	x	x	-	x	x	x	x	-	x	x
RCJ15E5001-01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RCJ16E5001-01	-	-	-	x	x	-	-	-	x	-	-	-	x	-	-	-	x	-	-	-	x	-	-	x	-	x	-	-	x
RCL03E5002-01	-	-	-	x	x	-	x	-	x	x	x	x	x	-	-	x	x	x	-	x	x	-	x	x	x	x	-	x	x
RCL04E5002-01	-	-	-	x	x	-	x	-	x	x	x	x	x	-	-	x	x	x	-	x	x	-	x	x	x	x	-	x	x
RCL07E5002-01	x	-	-	x	x	-	x	-	x	x	-	x	x	-	-	-	x	x	x	-	x	-	-	x	-	x	-	-	x
RCL07E5002-11	-	x	x	-	-	-	x	-	-	x	-	x	x	x	-	-	-	x	x	-	x	-	-	-	-	x	-	-	-
RCP02E5001-01	-	-	-	x	x	-	x	-	-	x	-	-	x	-	-	-	x	x	-	-	x	-	-	x	-	x	-	-	x
RCP04E5001-11	-	-	x	x	x	-	x	-	-	x	-	-	x	x	-	-	x	x	-	-	x	-	-	x	-	x	-	-	x
RCP05E5001-01	x	-	-	x	x	-	x	-	x	x	-	x	x	-	-	-	x	x	x	-	x	-	-	x	-	x	-	-	x
RCP15E5001-01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RCP09E5001-11	-	x	x	x	x	-	x	-	-	x	-	-	x	x	-	-	x	x	-	-	x	-	-	x	-	x	-	-	x
RCP14E5001-01	-	-	-	x	x	x	x	x	x	x	x	-	x	-	-	x	x	-	-	x	x	-	x	x	x	x	-	x	x
RCR02E5002A01	x	-	-	x	x	-	x	-	x	x	-	x	x	-	-	-	x	x	x	-	x	-	-	x	-	x	-	-	x
RCR02E5004A01	x	-	-	x	x	-	x	-	x	x	-	x	x	-	-	-	x	x	x	-	x	-	-	x	-	x	-	-	x
RCR03E5002A01	-	-	-	x	x	-	-	x	(x)	-	x	-	-	-	x	x	-	-	-	x	-	x	x	-	x	-	x	x	-
RCR03E5004A01	-	-	-	x	x	-	-	x	(x)	-	x	-	-	-	x	x	-	-	-	x	-	x	x	-	x	-	x	x	-
RCS04E5002-01	-	-	-	x	x	x	x	x	x	x	x	-	x	-	-	x	x	-	-	x	x	-	x	x	x	x	-	x	x
RCU09E5002-01	-	-	-	-	-	-	-	-	-	-	x	-	-	-	-	x	-	-	-	x	-	-	x	-	x	-	-	x	-
RCU10E5001-01	x	-	-	x	x	-	x	-	x	x	-	x	x	-	-	-	x	x	x	-	x	-	-	x	-	x	-	-	x
RS26E5001-22	-	-	x	x	x	-	x	-	-	x	-	-	x	x	-	-	x	x	-	-	x	-	-	x	-	x	-	-	x

(x) = with restrictions

x = recommended use

Depending on the application, other combinations are also possible. We would be happy to advise you!

## Compatibility Chart

		SENSORS																		
RECEIVERS		RTS40E5001-01	RTS40E5001-02	RTS43E5002A01	RTS43E5002A02	RTS16E5001-01	RTS16E5001A01	RTS16E5001-02	RTS16E5001A02	RTS16E5001B01	RTS16E5001B02	RTS26E5001-02	RTS26E5001A03	RTS26E5001B02	RTS26E5001B03	SH01E5002-01	SL01E5001-01	ST01E5001-01	ST02E5001-01	
	RCJ01E5001-01	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	-	-	x	
	RCJ01E5001-02	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	-	-		
	RCJ01E5001-03	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	-	-	x	
	RCJ01E5002-01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	x	
	RCJ01E5002-04	-	-	x	x	-	-	-	-	-	-	-	-	-	-	-	-	-	x	
	RCJ02E5002-01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	x	-	x	
	RCJ06E5001-01	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	-	-	x
	RCJ14E5001-01	-	-	x	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	RCJ15E5001-01	-	-	-	-	x	x	-	-	-	-	x	-	-	-	-	-	x	-	
	RCJ16E5001-01	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	-	-	-
	RCL03E5002-01	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	-	-	x
	RCL04E5002-01	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	-	-	x
	RCL07E5002-01	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	-	-	-
	RCL07E5002-11	-	-	x	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	RCP02E5001-01	x	x	x	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	RCP04E5001-11	x	x	x	x	-	-	-	-	x	x	-	-	x	x	x	-	-	-	
	RCP05E5001-01	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	-	-	x
	RCP15E5001-01	-	-	-	-	x	x	-	-	-	-	-	x	-	-	-	-	-	x	
RCP09E5001-11	x	x	x	x	-	-	-	-	x	x	-	-	x	x	x	-	-	-		
RCP14E5001-01	-	-	x	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
RCR02E5002A01	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	-	-	x	
RCR02E5004A01	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	-	-	x	
RCR03E5002A01	-	-	(x)	(x)	(x)	(x)	-	-	(x)	-	(x)	-	(x)	-	-	-	-	-	x	
RCR03E5004A01	-	-	(x)	(x)	(x)	(x)	-	-	(x)	-	(x)	-	(x)	-	-	-	-	-	x	
RCS04E5002-01	x	x	x	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
RCU09E5002-01	-	-	x	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	x	
RCU10E5001-01	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	-	-	x	
RS26E5001-22	x	x	x	x	-	-	-	-	x	-	-	-	x	x	-	-	-	-		

(x) = with restrictions

x = recommended use

Depending on the application, other combinations are also possible. We would be happy to advise you!

## LIGHT AND MOTOR CONTROL, UNIVERSAL APPLICATIONS

### TRANSMITTERS

## RT42 / RT43 Hand transmitter

The RT42 and RT43 are radio transmitters designed for universal use. They can be used together with any Easywave receiver and in any of the operating modes available.

The RT43 is the standard version with a plastic bracket, whereas the RT42, the premium version, is equipped with a chrome-plated metal bracket.

The transmitter can be used to control roller shutters for example or, more generally, to switch electrical devices on or off.

An easily visible LED lights up when the battery needs to be changed.



RT42E5004-01-21K

RT43E5004-01-21K

### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	4
Range	typically 150 m in good free-field conditions
Power supply	1x 3V battery, CR2032
Operating indicator	LED
Operation	transmission lasts as long as the button is pressed (maximum 36 seconds)
Function	depends on the receiver (see models)
Operating temperature	-20 °C to +60 °C
Dimensions	37 x 61.5 x 10.7 mm
Weight	RT42: 30 g (including battery) RT43: 18 g (including battery)
Color	black similar to RAL 9005

### Scope of delivery

- Hand transmitter including battery
- Operating manual

### Models

Product numbers	Description	Function
RT42E5004-01-21K	Hand transmitter 4-channel, black, metal bracket	2x ON/OFF 1x UP/STOP/DOWN 4x PULSE
RT43E5004-01-21K	Hand transmitter 4-channel, black, plastic bracket	2x ON/OFF 1x UP/STOP/DOWN 4x PULSE

## RT21 Hand transmitter

The RT21 hand transmitter is available in a 1-channel or 2-channel version.

Above all, it is used to control electrical gate mechanisms or as a paging device.

An easily visible LED lights up when the battery needs to be changed.



RT21E5001-01-23K

RT21E5002-01-23K

### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	1 or 2
Range	typically 150 m in good free-field conditions
Power supply	1x 3V battery, CR2032
Operating indicator	LED
Operation	transmission lasts as long as the button is pressed (maximum 36 seconds)
Function	depends on the receiver (see models)
Operating temperature	-20 °C to +60 °C
Dimensions	36 x 55 x 16 mm
Weight	17 g (including battery)
Color	anthracite gray similar to RAL 7016

### Scope of delivery

- Hand transmitter including battery
- Operating manual

### Models

Product numbers	Description	Function
RT21E5001-01-23K	Hand transmitter 1-channel, anthracite gray, red button	1x PULSE
RT21E5002-01-23K	Hand transmitter 2-channel, anthracite gray, gray button	1x ON/OFF

## RT30 Hand transmitter

The RT30 hand transmitter is designed for universal use. It can be used together with any Easywave receiver and in any of the operating modes available.

It may be used to control roller shutters for example or, more generally, to switch electrical devices on or off.

An easily visible LED lights up when the battery needs to be changed.



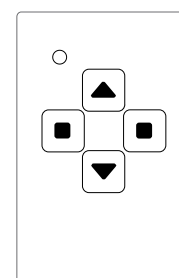
RT30E5004-01-02K

RT30E5001-01-22K

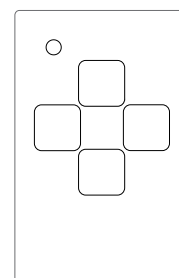
### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	1 or 4
Range	typically 150 m in good free-field conditions
Power supply	1x 3V battery, CR2032
Operating indicator	LED
Operation	transmission lasts as long as the button is pressed (maximum 36 seconds)
Function	depends on the receiver (see models)
Operating temperature	-20 °C to +60 °C
Dimensions	38 x 60 x 14 mm (without wall holder)
Weight	25 g (including battery)
Color	glossy white similar to RAL 9003 glossy black similar to RAL 9005

### Models



RT30E5001-01-xxK  
1x UP/STOP/DOWN



RT30E5004-01-xxK  
4x PULSE

### Scope of delivery

- Hand transmitter including battery
- Wall holder
- Mounting material
- Operating manual

### Accessories (optional)

RT30-ACC-01-02P	Key ring, transparent
RT30-ACC-03-02P	Wall holder, glossy white
RT30-ACC-03-22P	Wall holder, glossy black



RT30-ACC-01-02P



RT30-ACC-03-02P



RT30-ACC-03-22P

### Models

Product numbers	Description	Function
RT30E5001-01-02K	Hand transmitter 1-channel, glossy white	1x UP/STOP/DOWN
RT30E5001-01-22K	Hand transmitter 1-channel, glossy black	1x UP/STOP/DOWN
RT30E5004-01-02K	Hand transmitter 4-channel, glossy white	4x PULSE
RT30E5004-01-22K	Hand transmitter 4-channel, glossy black	4x PULSE



## RT32 Hand transmitter

The RT32 hand transmitter has been specially designed to control roller shutters, blinds and awnings. The UP/STOP/DOWN operating mode can be used in combination with the appropriate Easywave receiver.

By using the group function, it is possible to control all connected radio receivers at the press of a single button.



RT32E5004-01-02K

RT32E5001-01-22K

### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	1 or 4
Range	typically 150 m in good free-field conditions
Power supply	1x 3V battery, CR2032
Operating indicator	LED(s)
Operation	transmission lasts as long as the button is pressed (maximum 36 seconds)
Function	depends on the receiver (see models)
Operating temperature	-20 °C to +60 °C
Dimensions	38 x 109 x 14 mm (without wall holder)
Weight	37 g (including battery)
Color	glossy white similar to RAL 9003 glossy black similar to RAL 9005

### Scope of delivery

- Hand transmitter including battery
- Wall holder
- Mounting material
- Operating manual

### Accessories (optional)

RT32-ACC-01-02P	Wall holder, glossy white
RT32-ACC-01-22P	Wall holder, glossy black

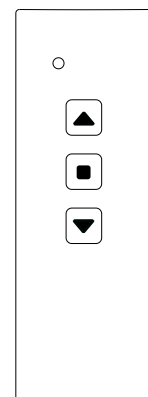


RT32-ACC-01-02P

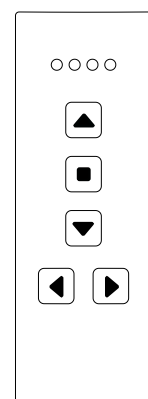


RT32-ACC-01-22P

### Models



RT32E5001-01-xxK  
1x UP/STOP/DOWN



RT32E5004-01-xxK  
4x UP/STOP/DOWN

### Models

Product numbers	Description	Function
RT32E5001-01-02K	Hand transmitter 1-channel, glossy white	1x UP/STOP/DOWN
RT32E5001-01-22K	Hand transmitter 1-channel, glossy black	1x UP/STOP/DOWN
RT32E5004-01-02K	Hand transmitter 4-channel, glossy white	4x UP/STOP/DOWN
RT32E5004-01-22K	Hand transmitter 4-channel, glossy black	4x UP/STOP/DOWN

## RT34 Hand transmitter

The RT34 hand transmitter is a highly versatile transmitter with up to ten channels.

Depending on the model, it can be used for a variety of different applications:

**4-channel version:** Controlling two roller shutters in the UP/STOP/DOWN operating mode and switching two electrical devices on or off with a 2-button operation.

**5-channel version:** Switching up to five electrical devices on or off with a 2-button operation.

**10-channel version:** Switching up to ten electrical devices on or off with a 1-button operation.



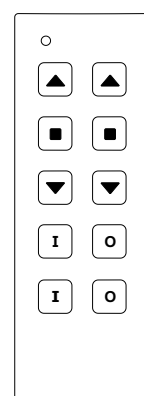
RT34E5005-01-02K

RT34E5004-01-22K

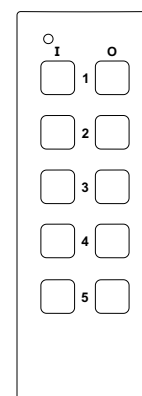
### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	4, 5 or 10
Range	typically 150 m in good free-field conditions
Power supply	1x 3V battery, CR2032
Operating indicator	LED
Operation	transmission lasts as long as the button is pressed (maximum 36 seconds)
Function	depends on the receiver (see models)
Operating temperature	-20 °C to +60 °C
Dimensions	38 x 109 x 14 mm (without wall holder)
Weight	37 g (including battery)
Color	glossy white similar to RAL 9003 glossy black similar to RAL 9005

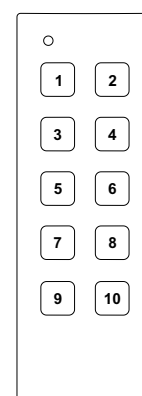
### Models



RT34E5004-01-xxK  
2x UP/STOP/DOWN  
2x ON/OFF



RT34E5005-01-xxK  
5x ON/OFF



RT34E5010-01-xxK  
10x PULSE

### Scope of delivery

- Hand transmitter including battery
- Wall holder
- Mounting material
- Operating manual

### Accessories (optional)

- |                 |                           |
|-----------------|---------------------------|
| RT32-ACC-01-02P | Wall holder, glossy white |
| RT32-ACC-01-22P | Wall holder, glossy black |



RT32-ACC-01-02P



RT32-ACC-01-22P

### Models

Product numbers	Description	Function
RT34E5004-01-02K	Hand transmitter 4-channel, glossy white	2x UP/STOP/DOWN+ON/OFF
RT34E5004-01-22K	Hand transmitter 4-channel, glossy black	2x UP/STOP/DOWN+ON/OFF
RT34E5005-01-02K	Hand transmitter 5-channel, glossy white	5x ON/OFF
RT34E5005-01-22K	Hand transmitter 5-channel, glossy black	5x ON/OFF
RT34E5010-01-02K	Hand transmitter 10-channel, glossy white	10x PULSE
RT34E5010-01-22K	Hand transmitter 10-channel, glossy black	10x PULSE

## RT22 Hand transmitter

The RT22 hand transmitter can control 24 Easywave receivers.

The RT22 has four levels (I to IV), each with six individually coded radio channels:

- 5 channels have the ON/OFF function
- 1 channel has the UP/STOP/DOWN function.

The multi-channel transmitter is best used when multiple Easywave receivers need to be controlled from a single hand transmitter.

Its solid housing and large buttons, which are easy to operate, make the RT22 suitable for industrial applications.



RT22E5022-01-23K

### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	24
Range	typically 150 m in good free-field conditions
Power supply	2x 3V batteries, CR2032
Operating indicator	LEDs
Operation	See operating manual
Function	depends on the receiver (see models)
Operating temperature	-20 °C to +60 °C
Dimensions	60 x 150 x 22 mm (without wall holder)
Weight	100 g (including batteries)
Color	anthracite gray similar to RAL 7016

### Scope of delivery

- Hand transmitter including batteries
- Operating manual

### Accessories (optional)

RT22-ACC-01-23P	Wall holder, anthracite gray
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RT22-ACC-01-23P

### Models

Product numbers	Description	Function
RT22E5022-01-23K	Hand transmitter 24-channel, anthracite gray	20x ON/OFF 4x UP/STOP/DOWN

## RT39 Display hand transmitter with timer

The RT39 hand transmitter serves to control Easywave radio receivers according to a timer and to operate roller shutters or awnings automatically.

The hand transmitter has 30 radio channels through which it sends the Easywave code. In this way, up to 30 Easywave radio receivers can be controlled individually or simultaneously. When controlling the receivers simultaneously, the radio channels may be divided into up to 9 groups.

It is also possible to program a total of 99 switching times. The programming remains stored even if the power supply is interrupted.



RT39E5023-01-01K

### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	30
Range	typically 150 m in good free-field conditions
Power supply	1x 3V battery, CR2430
Operating indicator	display
Operation	see operating manual
Function	depends on the receiver (see models)
Operating temperature	0 °C to +50 °C
Dimensions	52 x 120 x 13 mm
Weight	74 g (including CR2430 battery)
Color	white similar to RAL 9003

### Scope of delivery

- Display hand transmitter including battery
- Operating manual

### Models

Product numbers	Description	Function
RT39E5023-01-01K	Display hand transmitter 30-channel with timer, white	30x UP/STOP/DOWN or 30x ON/OFF

## RTS05 Radio sensor wall switch

The RTS05 sensor switch is a capacity proximity switch that must be surface-mounted inside dry buildings.

A radio signal is transmitted when the surface of the sensor is approached or touched briefly.

Given its 1-button operation, the sensor switch is usually used to control lighting.

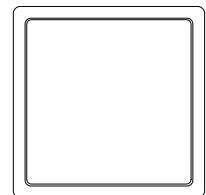


RTS05E5001-01-02K

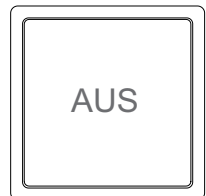
### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	1
Range	typically 150 m in good free-field conditions
Power supply	2x 3V batteries, CR2032
Operating indicator	LED (not visible when mounted)
Operation	signal transmitted as soon as the button is touched (maximum 1 second)
Function	depends on the receiver (see models)
Operating temperature	-20 °C to +50 °C
Dimensions	80 x 80 x 10 mm
Weight	40 g (including batteries)
Color	white similar to RAL 9003

### Models



RTS05E5001-01-02K  
1x PULSE



RTS05E5001-02-02K  
1x OFF

### Scope of delivery

- Sensor wall switch
- 2 batteries
- Mounting kit
- Operating manual

### Models

Product numbers	Description	Function
RTS05E5001-01-02K	Radio sensor wall switch 1-channel, white	1x PULSE
RTS05E5001-02-02K	Radio sensor wall switch 1-channel, white	1x OFF

## RTS08 Radio wall switch

The RTS08 wall switch is designed to be surface-mounted inside dry buildings.

The switch can be fitted to standard switch boxes or attached or screwed directly to a wall.

The RTS08 is generally used as a light switch to turn one or two lights ON or OFF with a 2-button operation.



RTS08E5002-01-02K

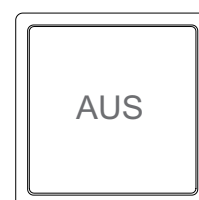
### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	1, 2 or 4
Range	typically 150 m in good free-field conditions
Power supply	1x 3V battery, CR2032
Operation	transmission lasts as long as the button is pressed (maximum 36 seconds)
Function	depends on the receiver (see models)
Operating temperature	-20 °C to +60 °C
Dimensions	80 x 80 x 10 mm
Weight	47 g (including battery)
Color	white similar to RAL 9003

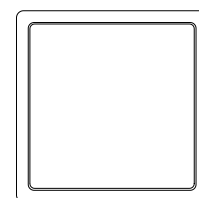
### Scope of delivery

- Wall switch including battery
- Mounting kit
- Operating manual

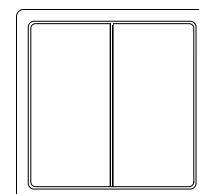
### Models



RTS08E5001-01-02K  
1x OFF



RTS08E5002-01-02K  
1x ON/OFF or  
2x PULSE



RTS08E5004-01-02K  
2x ON/OFF or  
4x PULSE

### Models

Product numbers	Description	Function
RTS08E5001-01-02K	Radio wall switch 1-channel, white	1x OFF
RTS08E5002-01-02K	Radio wall switch 2-channel, white	1x ON/OFF or 2x PULSE
RTS08E5004-01-02K	Radio wall switch 4-channel, white	2x ON/OFF or 4x PULSE

## RTS13 Radio wall switch

The RTS13 wall switch is designed to be surface-mounted inside dry buildings.

The switch can be fitted to standard switch boxes or attached/screwed directly to a wall.

Depending on the model and the connected Easy-wave receiver, the RTS13 can be used to switch electrical devices on or off with a 1-button operation or to control roller shutters or awnings.

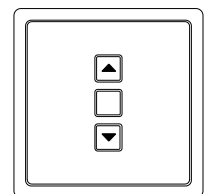


RTS13E5001-01-02K

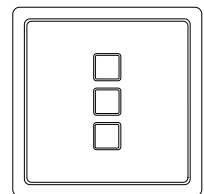
### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	1 or 3
Range	typically 150 m in good free-field conditions
Power supply	1x 3V battery, CR2032
Operation	transmission lasts as long as the button is pressed (maximum 36 seconds)
Function	depends on the receiver (see models)
Operating temperature	-20 °C to +60 °C
Dimensions	80 x 80 x 10 mm
Weight	47 g (including battery)
Color	white similar to RAL 9003

### Models



RTS13E5001-01-02K  
1x UP/STOP/DOWN



RTS13E5003-01-02K  
3x PULSE

### Scope of delivery

- Wall switch
- Battery
- Mounting kit
- Operating manual

### Models

Product numbers	Description	Function
RTS13E5001-01-02K	Radio wall switch 1-channel, white	1x UP/STOP/DOWN
RTS13E5003-01-02K	Radio wall switch 3-channel, white	3x PULSE



## RTS14 Radio wall switch

The RTS14 wall switch is designed to be surface-mounted inside dry buildings.

The switch can be fitted to standard switch boxes or attached/screwed directly to a wall.

Depending on the model and the connected Easy-wave receiver, the RTS14 can be used to switch electrical devices on or off with a 1- or 2-button operation as well as to control roller shutters/awnings.

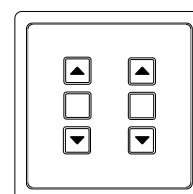


RTS14E5003-01-02K

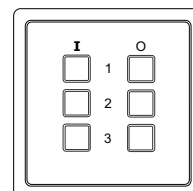
### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	2, 3 or 6
Range	typically 150 m in good free-field conditions
Power supply	1x 3V battery, CR2032
Operation	transmission lasts as long as the button is pressed (maximum 36 seconds)
Function	depends on the receiver (see models)
Operating temperature	-20 °C to +60 °C
Dimensions	80 x 80 x 10 mm
Weight	47 g (including battery)
Color	white similar to RAL 9003

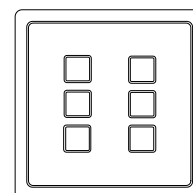
### Models



RTS14E5002-01-02K  
2x UP/STOP/DOWN



RTS14E5003-01-02K  
3x ON/OFF



RTS14E-5006-01-02K  
6x PULSE

### Scope of delivery

- Wall switch
- Battery
- Mounting kit
- Operating manual

### Models

Product numbers	Description	Function
RTS14E5002-01-02K	Radio wall switch 2-channel, white	2x UP/STOP/DOWN
RTS14E5003-01-02K	Radio wall switch 3-channel, white	3x ON/OFF
RTS14E5006-01-02K	Radio wall switch 6-channel, white	6x PULSE

## RTS07 Radio time switch

The RTS07 radio time switch is battery-powered and designed to be mounted indoors. It controls the time and brightness settings of Easywave receivers.

The time switch has four individually coded radio channels through which it can control four devices, such as electrical roller shutters, awnings or lighting. The brightness control function for roller shutters only works in connection with the SL01 radio light sensor.

It is possible to transmit the different telegrams together and thus to control all four devices at the same time (group function).



RTS07E5004-01-02K

### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	4
Range	typically 150 m in good free-field conditions
Power supply	1x 3V battery, CR2032
Operating indicator	display
Operation	see operating manual
Function	depends on the receiver (see models)
Operating temperature	0 °C to +50 °C
Dimensions	80 x 80 x 16 mm
Weight	50 g (including battery)
Color	white similar to RAL 9003

### Scope of delivery

- Radio time switch
- Battery
- Mounting kit
- Operating manual

### Accessories (optional)

SL01E5001-01-01K	Light sensor, white
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SL01E5001-01-01K

### Models

Product numbers	Description	Function
RTS07E5004-01-02K	Radio time switch 4-channel, white	4x UP/STOP/DOWN or 4x ON/OFF

## SL01 Radio light sensor

The SL01 light sensor cyclically measures the current brightness level and transmits this via radio.

The light sensor may only be used in connection with the RTS07 time switch or the RCJ02 flush-mounted receiver.

If the sensor battery is running low, this is indicated on the display of the RTS07 radio time switch or the RCJ02 flush-mounted receiver.



SL01E5001-01-01K

### Technical specifications

Coding	factory coding with EasywaveSensor telegram *)
Frequency	868.30 MHz
Channels	1
Range	typically 150 m in good free-field conditions
Power supply	1x 3V battery, CR2032
Sun protection control	approx. 2,000 lx to 80,000 lx
Twilight control	approx. 2 lx to 250 lx
Operating temperature	0 °C to +70 °C
Dimensions	Ø 40 x 12 mm
Weight	13 g (including battery)
Color	white similar to RAL 9003

\*) can only be programmed into RTS07 and RCJ02

### Scope of delivery

- Light sensor
- Battery
- Adhesive pad
- Operating manual

### Accessories (optional)

ACC-TOO-01-23P	Round housing key
ACC-SEA-01-00Px	O-ring seal
ACC-FIX-06-00P10	Adhesive pad



ACC-TOO-01-23P



ACC-SEA-01-00Px



ACC-FIX-06-00P10

### Models

Product numbers	Description
SL01E5001-01-01K	Radio light sensor 1-channel, white

## WALL TRANSMITTERS Format 55

The term Format 55 indicates that the products are compatible with cover frames which have a cut-out dimension of 55 x 55 mm, as listed below.

Manufacturer *)	Products (branded articles) *)
BERKER	S.1 B.3 B.7
GIRA	Standard55 E2 Event Esprit ClassiX
JUNG	A500 AS 500 A Creation Aplus
MERTEN	1-M Atelier-M M-Smart M-Pure M-Pure Decor M-Plan M-Creativ
ELSO	JOY RIVA with combination frame 55 SCALA with combination frame 55 FASHION with combination frame 55



\*) The names, terms and symbols may be protected brand names and trademarks belonging to their respective companies/legal owners.

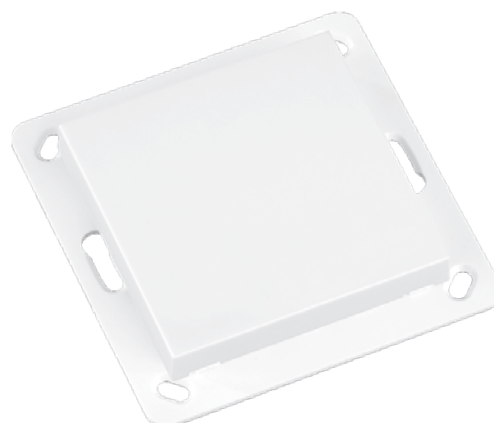
## RTS22 Radio wall switch Format 55

The RTS22 wall switch from the Format 55 range is a battery-powered Easywave transmitter.

The radio switch can be integrated into cover frames with a cut-out dimension of 55 x 55 mm produced by various manufacturers (see compatibility list).

The transmitter is simply clipped into the cover frame and is immediately operational. It can then be mounted on the wall using either adhesive pads or screws.

The RTS22 is generally used as a light switch to turn lights ON or OFF with a 2-button operation as well as to control roller shutters.



RTS22E5002-01-02K

### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	1 or 2
Range	typically 150 m in good free-field conditions
Power supply	1x 3V battery, CR2032
Operation	transmission lasts as long as the button is pressed (maximum 36 seconds)
Function	depends on the receiver (see models)
Operating temperature	-20 °C to +60 °C
Dimensions	button: 55 x 55 x 9 mm mounting plate: 71 x 71 x 1.5 mm
Weight	34 g (including battery)
Color	white similar to RAL 9003 anthracite gray similar to RAL 7016 lacquered aluminum similar to RAL 9006

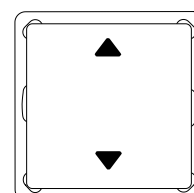
### Scope of delivery

- Transmitter module including battery
- Mounting plate and button
- Mounting kit
- Operating manual

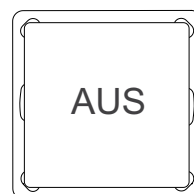
### Models

Product numbers	Description	Function
RTS22E5001-01-02K	Radio wall switch 1-channel, Format 55, white	1x UP/DOWN
RTS22E5001-01-24K	Radio wall switch 1-channel, Format 55, anthracite gray	1x UP/DOWN
RTS22E5001-01-25K	Radio wall switch 1-channel, Format 55, lacquered alu.	1x UP/DOWN
RTS22E5001-02-02K	Radio wall switch 1-channel, Format 55, white	1x OFF
RTS22E5001-02-24K	Radio wall switch 1-channel, Format 55, anthracite gray	1x OFF
RTS22E5001-02-25K	Radio wall switch 1-channel, Format 55, lacquered alu.	1x OFF
RTS22E5002-01-02K	Radio wall switch 2-channel, Format 55, white	1x ON/OFF or 2x PULSE
RTS22E5002-01-24K	Radio wall switch 2-channel, Format 55, anthracite gray	1x ON/OFF or 2x PULSE
RTS22E5002-01-25K	Radio wall switch 2-channel, Format 55, lacquered alu.	1x ON/OFF or 2x PULSE

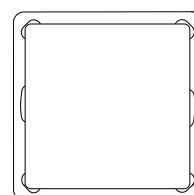
### Models



RTS22E5001-01-xxK  
1x UP/DOWN



RTS22E5001-02-xxK  
1x OFF



RTS22E5002-01-xxK  
1x ON/OFF or  
2x PULSE

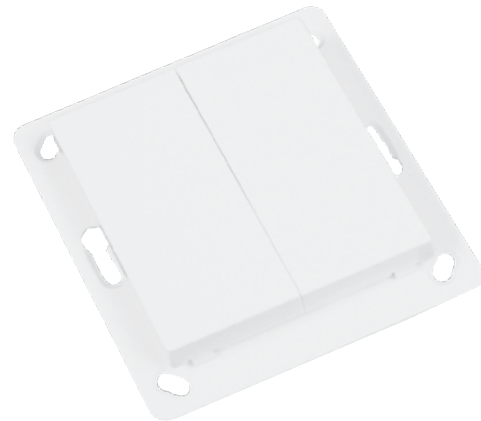
## RTS23 Radio wall switch Format 55

The RTS23 wall switch from the Format 55 range is a battery-powered Easywave transmitter.

The radio switch can be integrated into cover frames with a cut-out dimension of 55 x 55 mm produced by various manufacturers (see compatibility list).

The transmitter is simply clipped into the cover frame and is immediately operational. It can then be mounted on the wall using either adhesive pads or screws.

The RTS23 is generally used as a light switch to turn lights ON or OFF with a 2-button operation as well as to control roller shutters.



RTS23E5004-01-02K

### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	1, 2 or 4
Range	typically 150 m in good free-field conditions
Power supply	1x 3V battery, CR2032
Operation	transmission lasts as long as the button is pressed (maximum 36 seconds)
Function	depends on the receiver (see models)
Operating temperature	-20 °C to +60 °C
Dimensions	buttons: 27 x 55 x 9 mm mounting plate: 71 x 71 x 1.5 mm
Weight	34 g (including battery)
Color	white similar to RAL 9003 anthracite gray similar to RAL 7016 lacquered aluminum similar to RAL 9006

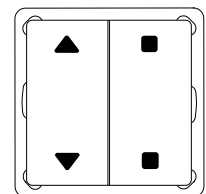
### Scope of delivery

- Transmitter module including battery
- Mounting plate and buttons
- Mounting kit
- Operating manual

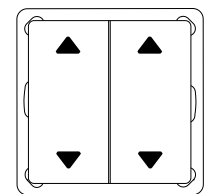
### Models

Product numbers	Description	Function
RTS23E5001-01-02K	Radio wall switch 1-channel, Format 55, white	1x UP/STOP/DOWN
RTS23E5001-01-24K	Radio wall switch 1-channel, Format 55, anthracite gray	1x UP/STOP/DOWN
RTS23E5001-01-25K	Radio wall switch 1-channel, Format 55, lacquered alu.	1x UP/STOP/DOWN
RTS23E5002-01-02K	Radio wall switch 2-channel, Format 55, white	2x UP/DOWN
RTS23E5002-01-24K	Radio wall switch 2-channel, Format 55, anthracite gray	2x UP/DOWN
RTS23E5002-01-25K	Radio wall switch 2-channel, Format 55, lacquered alu.	2x UP/DOWN
RTS23E5004-01-02K	Radio wall switch 4-channel, Format 55, white	2x ON/OFF or 4x PULSE
RTS23E5004-01-24K	Radio wall switch 4-channel, Format 55, anthracite gray	2x ON/OFF or 4x PULSE
RTS23E5004-01-25K	Radio wall switch 4-channel, Format 55, lacquered alu.	2x ON/OFF or 4x PULSE

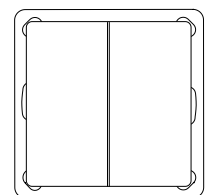
### Models



RTS23E5001-01-xxK  
1x UP/STOP/DOWN



RTS23E5002-01-xxK  
2x UP/DOWN



RTS23E5004-01-xxK  
2x ON/OFF or  
4x PULSE

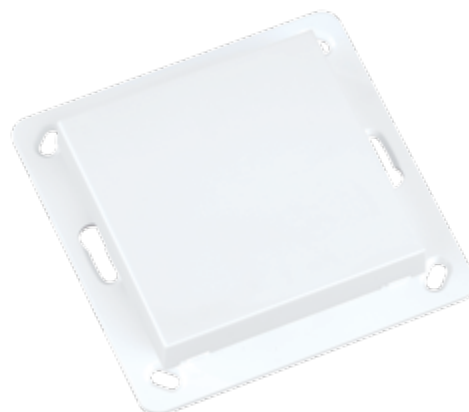
## RTS25 Radio sensor wall switch Format 55

The RTS25 sensor wall switch is a capacity proximity switch that must be surface-mounted inside dry buildings.

This wall switch from the Format 55 range is battery powered and can be integrated into cover frames with a cut-out dimension of 55 x 55 mm produced by various manufacturers (see compatibility list).

A radio signal is transmitted when the surface of the sensor is approached or touched briefly.

Given its 1-button operation, the sensor switch is usually used to control lighting.

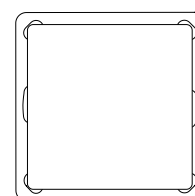


RTS25E5001-01-02K

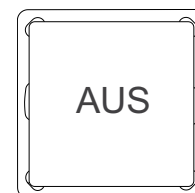
### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	1
Range	typically 150 m in good free-field conditions
Power supply	2x 3V batteries, CR2032
Operating indicator	LED (not visible when mounted)
Operation	signal transmitted as soon as the button is touched (maximum 1 second)
Function	depends on the receiver (see models)
Operating temperature	-20 °C to +50 °C
Dimensions	button: 55 x 55 x 10 mm mounting plate: 71 x 71 x 1.5 mm
Weight	40 g (including batteries)
Color	white similar to RAL 9003 anthracite gray similar to RAL 7016 lacquered aluminum similar to RAL 9006

### Models



RTS25E5001-01-xxK  
1x PULSE



RTS25E5001-02-xxK  
1x OFF

### Scope of delivery

- Sensor wall switch
- 2 batteries
- Mounting plate
- Mounting kit
- Operating manual

### Models

Product numbers	Description	Function
RTS25E5001-01-02K	Radio sensor wall switch 1-channel, white	1x PULSE
RTS25E5001-01-24K	Radio sensor wall switch 1-channel, anthracite gray	1x PULSE
RTS25E5001-01-25K	Radio sensor wall switch 1-channel, lacquered alu.	1x PULSE
RTS25E5001-02-02K	Radio sensor wall switch 1-channel, white	1x OFF
RTS25E5001-02-24K	Radio sensor wall switch 1-channel, anthracite gray	1x OFF
RTS25E5001-02-25K	Radio sensor wall switch 1-channel, lacquered alu.	1x OFF



## WALL TRANSMITTERS

### Format B5 and Format B6

The terms Format B5 and Format B6 indicate that the products are compatible with the switch ranges designed by Busch-Jaeger, as listed below.

#### Format B5

Reflex SI

Reflex SI Linear

Busch-Duro 2000 SI (except 212 model)

Busch-Duro 2000 SI Linear

Can also be integrated in B6 using a spacer ring.

#### Format B6

carat

solo

Busch-axcent

future linear

\*) The names, terms and symbols may be protected brand names and trademarks belonging to their respective companies/legal owners.

## RTS32 Radio wall switch Format B5

The RTS32 wall switch from the Format B5 range is a battery-powered wall transmitter that must be surface-mounted in dry rooms.

The transmitter is compatible with the Busch-Jaeger switch range. It is simply clicked into the cover frame and is immediately operational. It can then be mounted on the wall using either adhesive pads or screws.

The RTS32 is generally used as a light switch to turn lights ON or OFF with a 2-button operation as well as to control roller shutters.



RTS32E5002-01-02K

### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	1 or 2
Range	typically 150 m in good free-field conditions
Power supply	1x 3V battery, CR2032
Operation	transmission lasts as long as the button is pressed (maximum 36 seconds)
Function	depends on the receiver (see models)
Operating temperature	-20 °C to +60 °C
Dimensions	button: 54 x 54 x 7 mm mounting plate: 71 x 71 x 1.8 mm
Compatibility *)	switch ranges: Reflex SI, Reflex SI Linear, Busch-Duro 2000 SI (except 212), Busch-Duro 2000 SI Linear with spacer ring, also compatible with: carat, solo, Busch-axcent, future linear
Weight	24 g (including battery)
Color	studio white similar to RAL 9003 ivory white similar to RAL 1013

### Scope of delivery

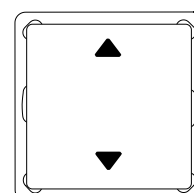
- Transmitter module with button including battery
- Mounting plate
- Mounting kit
- Operating manual

### Models

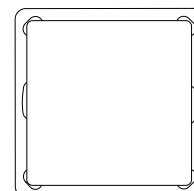
Product numbers	Description	Function
RTS32E5001-01-02K	Radio wall switch 1-channel, Format B5, studio white	1x UP/DOWN
RTS32E5001-01-07K	Radio wall switch 1-channel, Format B5, ivory white	1x UP/DOWN
RTS32E5002-01-02K	Radio wall switch 2-channel, Format B5, studio white	1x ON/OFF or 2x PULSE
RTS32E5002-01-07K	Radio wall switch 2-channel, Format B5, ivory white	1x ON/OFF or 2x PULSE

\*) The names, terms and symbols may be protected brand names and trademarks belonging to their respective companies/legal owners.

### Models



RTS32E5001-01-xxK  
1x UP/DOWN



RTS32E5002-01-xxK  
1x ON/OFF or  
2x PULSE

## RTS33 Radio wall switch Format B5

The RTS33 wall switch from the Format B5 range is a battery-powered wall transmitter that must be surface-mounted in dry rooms.

The transmitter is compatible with the Busch-Jaeger switch range. It is simply clicked into the cover frame and is immediately operational. It can then be mounted on the wall using either adhesive pads or screws.

The RTS33 is generally used as a light switch to turn lights ON or OFF with a 2-button operation as well as to control roller shutters.



RTS33E5004E-01-02K

### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	1, 2 or 4
Range	typically 150 m in good free-field conditions
Power supply	1x 3V battery, CR2032
Operation	transmission lasts as long as the button is pressed (maximum 36 seconds)
Function	depends on the receiver (see models)
Operating temperature	-20 °C to +60 °C
Dimensions	buttons: 27 x 54 x 7 mm mounting plate: 71 x 71 x 1.8 mm
Compatibility *)	switch ranges: Reflex SI, Reflex SI Linear, Busch-Duro 2000 SI (except 212), Busch-Duro 2000 SI Linear with spacer ring, also compatible with: carat, solo, Busch-axcent, future linear
Weight	24 g (including battery)
Color	studio white similar to RAL 9003 ivory white similar to RAL 1013

### Scope of delivery

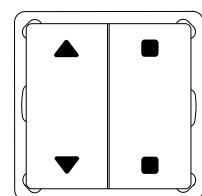
- Transmitter module with button including battery
- Mounting plate
- Mounting kit
- Operating manual

### Models

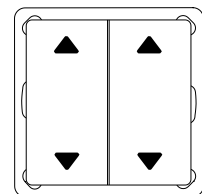
Product numbers	Description	Function
RTS33E5001-01-02K	Radio wall switch 1-channel, Format B5, studio white	1x UP/STOP/DOWN
RTS33E5001-01-07K	Radio wall switch 1-channel, Format B5, ivory white	1x UP/STOP/DOWN
RTS33E5002-01-02K	Radio wall switch 2-channel, Format B5, studio white	2x UP/DOWN
RTS33E5002-01-07K	Radio wall switch 2-channel, Format B5, ivory white	2x UP/DOWN
RTS33E5004-01-02K	Radio wall switch 4-channel, Format B5, studio white	2x ON/OFF or 4x PULSE
RTS33E5004-01-07K	Radio wall switch 4-channel, Format B5, ivory white	2x ON/OFF or 4x PULSE

\*) The names, terms and symbols may be protected brand names and trademarks belonging to their respective companies/legal owners.

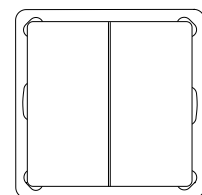
### Models



RTS33E5001-01-xxK  
1x UP/STOP/DOWN



RTS33E5002-01-xxK  
2x UP/DOWN



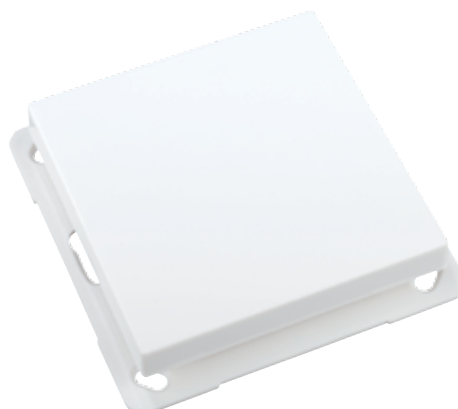
RTS33E5004-01-xxK  
2x ON/OFF or  
4x PULSE

## RTS34 Radio wall switch Format B6

The RTS34 wall switch from the Format B6 range is a battery-powered wall transmitter that must be surface-mounted in dry rooms.

The transmitter is compatible with the Busch-Jaeger switch range. It is simply clicked into the cover frame and is immediately operational. It can then be mounted on the wall either using either adhesive pads or screws.

The RTS34 is generally used as a light switch to turn lights ON or OFF using two buttons (2-button operation) as well as to control roller shutters.

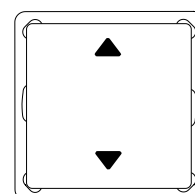


RTS34E5002-01-02K

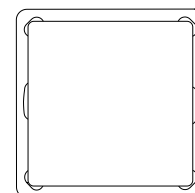
### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	1 or 2
Range	typically 150 m in good free-field conditions
Power supply	1x 3V battery, CR2032
Operation	transmission lasts as long as the button is pressed (maximum 36 seconds)
Function	depends on the receiver (see models)
Operating temperature	-20 °C to +60 °C
Dimensions	button: 63 x 63 x 8 mm mounting plate: 71 x 71 x 1.8 mm
Compatibility *)	switch ranges: carat, solo, Busch-axcent, future linear
Weight	24 g (including battery)
Color	studio white similar to RAL 9003 ivory white similar to RAL 1013

### Models



RTS34E5001-01-xxx  
1x UP/DOWN



RTS34E5002-01-xxx  
1x ON/OFF or  
2x PULSE

### Scope of delivery

- Transmitter module with button including battery
- Mounting plate
- Mounting kit
- Operating manual

### Models

Product numbers	Description	Function
RTS34E5001-01-02K	Radio wall switch 1-channel, Format B6, studio white	1x UP/DOWN
RTS34E5001-01-07K	Radio wall switch 1-channel, Format B6, ivory white	1x UP/DOWN
RTS34E5002-01-02K	Radio wall switch 2-channel, Format B6, studio white	1x ON/OFF or 2x PULSE
RTS34E5002-01-07K	Radio wall switch 2-channel, Format B6, ivory white	1x ON/OFF or 2x PULSE

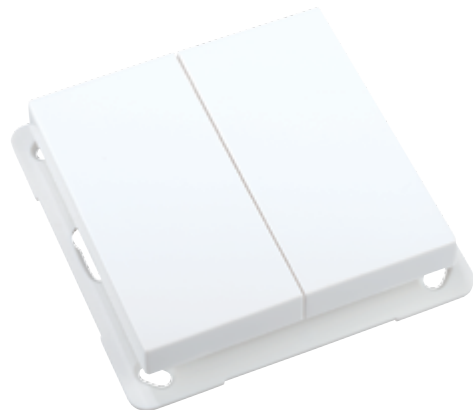
\*) The names, terms and symbols may be protected brand names and trademarks belonging to their respective companies/legal owners.

## RTS35 Radio wall switch Format B6

The RTS35 wall switch from the Format B6 range is a battery-powered wall transmitter that must be surface-mounted in dry rooms.

The transmitter is compatible with the Busch-Jaeger switch range. It is simply clicked into the cover frame and is immediately operational. It can then be mounted on the wall using either adhesive pads or screws.

The RTS35 is generally used as a light switch to turn lights ON or OFF with a 2-button operation as well as to control roller shutters.



RTS35E5004-01-02K

### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	1, 2 or 4
Range	typically 150 m in good free-field conditions
Power supply	1x 3V battery, CR2032
Operation	transmission lasts as long as the button is pressed (maximum 36 seconds)
Function	depends on the receiver (see models)
Operating temperature	-20 °C to +60 °C
Dimensions	buttons: 31 x 63 x 8 mm mounting plate: 71 x 71 x 1.8 mm
Compatibility *)	switch ranges: carat, solo, Busch-axcent, future linear
Weight	24 g (including battery)
Color	studio white similar to RAL 9003 ivory white similar to RAL 1013

### Scope of delivery

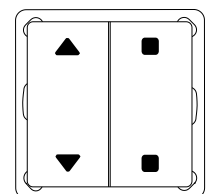
- Transmitter module with button including battery
- Mounting plate
- Mounting kit
- Operating manual

### Models

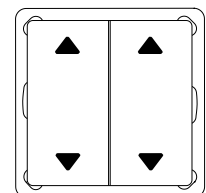
Product numbers	Description	Function
RTS35E5001-01-02K	Radio wall switch 1-channel, Format B6, studio white	1x UP/STOP/DOWN
RTS35E5001-01-07K	Radio wall switch 1-channel, Format B6, ivory white	1x UP/STOP/DOWN
RTS35E5002-01-02K	Radio wall switch 2-channel, Format B6, studio white	2x UP/DOWN
RTS35E5002-01-07K	Radio wall switch 2-channel, Format B6, ivory white	2x UP/DOWN
RTS35E5004-01-02K	Radio wall switch 4-channel, Format B6, studio white	2x ON/OFF or 4x PULSE
RTS35E5004-01-07K	Radio wall switch 4-channel, Format B6, ivory white	2x ON/OFF or 4x PULSE

\*) The names, terms and symbols may be protected brand names and trademarks belonging to their respective companies/legal owners.

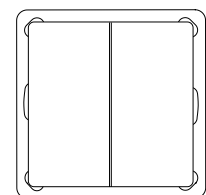
### Models



RTS35E5001-01-xxK  
1x UP/STOP/DOWN



RTS35E5002-01-xxK  
2x UP/DOWN













RTS35E5004-01-xxK  
2x ON/OFF or  
4x PULSE






## ACC Wall transmitter accessories

Description Product number






### RTS 22 Format 55

	Mounting plate, white	RTS22-ACC-01-02P
	ON/OFF button, white	RTS22-ACC-02-02P
	ON/OFF button, anthracite gray	RTS22-ACC-02-24P
	ON/OFF button, lacquered aluminum	RTS22-ACC-02-25P
	UP/DOWN button, white	RTS22-ACC-03-02P
	UP/DOWN button, anthracite gray	RTS22-ACC-03-24P
	UP/DOWN button, lacquered aluminum	RTS22-ACC-03-25P
	OFF button, white	RTS22-ACC-04-02P
	OFF button, anthracite gray	RTS22-ACC-04-24P
	OFF button, lacquered aluminum	RTS22-ACC-04-25P

### RTS32 Format B5

	Mounting plate, white	RTS32-ACC-03-01P
	ON/OFF button, studio white	RTS32-ACC-01-02P
	ON/OFF button, ivory white	RTS32-ACC-01-07P
	UP/DOWN button, studio white	RTS32-ACC-02-02P
	UP/DOWN button, ivory white	RTS32-ACC-02-07P











### RTS34 Format B6

	Mounting plate, white	RTS34-ACC-03-01P
	ON/OFF button, studio white	RTS34-ACC-01-02P
	ON/OFF button, ivory white	RTS34-ACC-01-07P
	UP/DOWN button, studio white	RTS34-ACC-02-02P
	UP/DOWN button, ivory white	RTS34-ACC-02-07P








Description

Product number








### RTS 23 Format 55

	Mounting plate, white	RTS22-ACC-01-02P
	2x ON/OFF button, white	RTS23-ACC-01-02P2
	2x ON/OFF button, anthracite gray	RTS23-ACC-01-24P2
	2x ON/OFF button, lacquered aluminum	RTS23-ACC-01-25P2
	2x UP/DOWN button, white	RTS23-ACC-02-02P2
	2x UP/DOWN button, anthracite gray	RTS23-ACC-02-24P2
	2x UP/DOWN button, lacquered aluminum	RTS23-ACC-02-25P2
	STOP+UP/DOWN button, white	RTS23-ACC-03-02P2
	STOP+UP/DOWN button, anthracite gray	RTS23-ACC-03-24P2
	STOP+UP/DOWN button, lacquered aluminum	RTS23-ACC-03-25P2

### RTS33 Format B5

	Mounting plate, white	RTS32-ACC-03-01P
	2x ON/OFF button, studio white	RTS33-ACC-01-02P
	2x ON/OFF button, ivory white	RTS33-ACC-01-07P
	UP/DOWN button, studio white	RTS33-ACC-02-02P
	UP/DOWN button, ivory white	RTS33-ACC-02-07P
	STOP button, studio white	RTS33-ACC-03-02P
	STOP button, ivory white	RTS33-ACC-03-07P

### RTS35 Format B6

	Mounting plate, white	RTS34-ACC-03-01P
	2x ON/OFF button, studio white	RTS35-ACC-01-02P
	2x ON/OFF button, ivory white	RTS35-ACC-01-07P
	UP/DOWN button, studio white	RTS35-ACC-02-02P
	UP/DOWN button, ivory white	RTS35-ACC-02-07P
	STOP button, studio white	RTS35-ACC-03-02P
	STOP button, ivory white	RTS35-ACC-03-07P

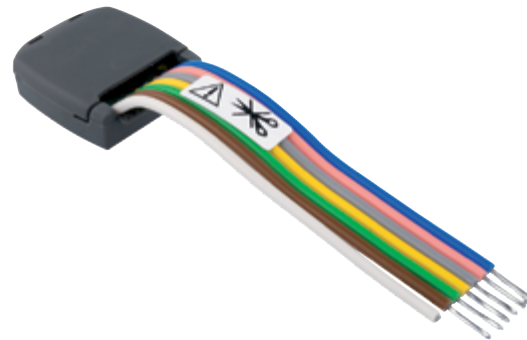
RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

## RTS03 Built-in transmitter button/switch

The RTS03 built-in transmitter is a battery-powered transmitter module that can be connected up to zero potential, standard buttons or switches that are available commercially. Buttons or switches converted in this way are able to control Easywave receivers.

The RTS03 can be connected up to a total of four buttons or two switches.

This built-in transmitter is ideal if existing switch ranges need to be left intact.



RTS03E5004-01-27P

### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	4
Transmission duration	RTS03E5004-01: 10 seconds RTS03E5004-04: 36 seconds
Range	typically 150 m in good free-field conditions
Power supply	1x 3V battery, CR2032
Operation	via connected button/switch
Function	depends on the receiver (see models)
Operating temperature	-20 °C to +60 °C
Dimensions	37 x 30 x 10 mm (without cable)
Weight	12 g (including battery)

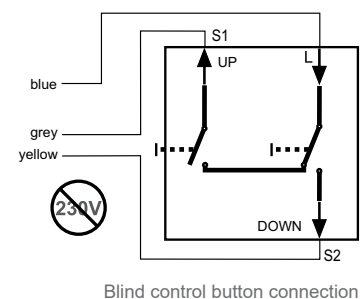
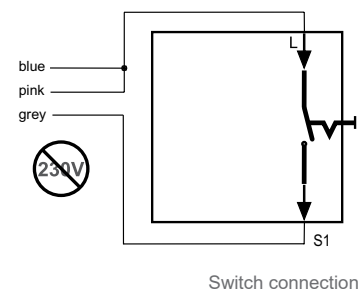
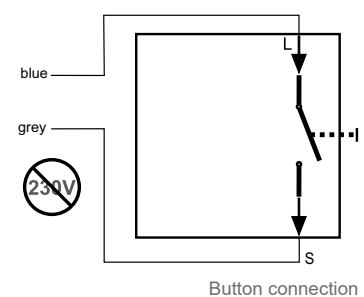
### Scope of delivery

- Built-in transmitter
- Battery
- Operating manual

### Models

Product numbers	Description	Function
RTS03E5004-01-27P	Built-in transmitter 4-channel, 10 s, button/switch	2x ON/OFF (switch) or
RTS03E5004-04-27P	Built-in transmitter 4-channel, 36 s, button/switch	4x ON/OFF (button) or 4x PULSE (button)

### Wiring diagram



## RTS03 Built-in transmitter UP/STOP/DOWN

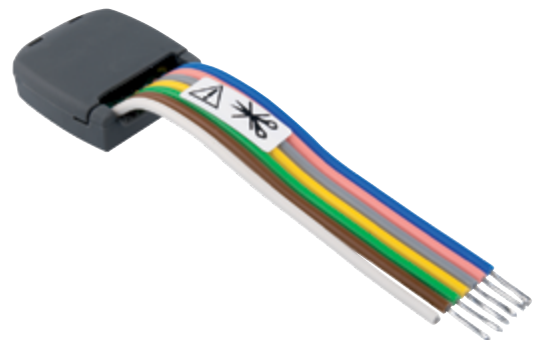
The RTS03 built-in transmitter is a battery-powered transmitter module.

This version of the RTS03 has been specifically developed to control Easywave receivers for roller shutters in the UP/STOP/DOWN operating mode.

The RTS03 can be easily connected to zero potential, standard series buttons or series switches for roller shutters.

Every time a status changes, a radio signal lasting approx. 0.5 seconds is transmitted.

One RTS03 is required for every switching point.

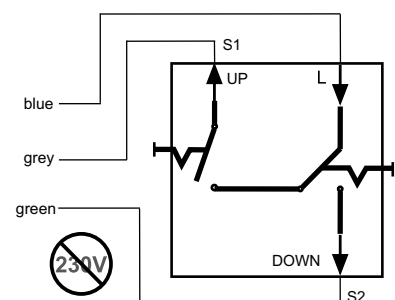


RTS03E5004-02-27P

### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	1
Range	typically 150 m in good free-field conditions
Power supply	1x 3V battery, CR2032
Operation	via connected button/switch
Function	depends on the receiver (see models)
Operating temperature	-20 °C to +60 °C
Dimensions	37 x 30 x 10 mm (without cable)
Weight	12 g (including battery)

### Wiring diagram



### Scope of delivery

- Built-in transmitter
- Battery
- Operating manual

### Models

Product numbers	Description	Function
RTS03E5004-02-27P	Built-in transmitter 1-channel	1x UP/STOP/DOWN



## RTS39 Flush-mounted transmitter

Up to two 230 V buttons or two 230 V switches can be connected to the RTS39 stationary transmitter.

In this way, any standard 230 V button or switch can control an Easywave radio receiver using a radio signal, without need for complicated wiring.

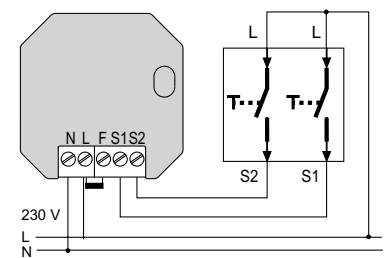


RTS39E5002B01-23K

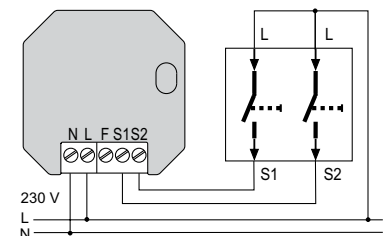
### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	2
Range	typically 150 m in good free-field conditions
Power supply	230 V AC, 50 Hz
Power consumption	maximum 0.43 W
Operation	via connected button/switch
Function	depends on the receiver (see models)
Operating temperature	-20 °C to +60 °C
Dimensions	48 x 48 x 25 mm
Weight	32 g

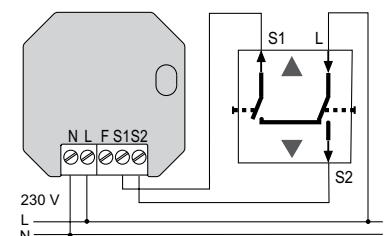
### Wiring diagram



Switch connection  
S1, S2: ON/OFF



Button connection  
S1, S2: ON/OFF



Motor control button connection  
S1: UP, S2: DOWN

### Scope of delivery

- Flush-mounted transmitter
- Operating manual

### Models

Product numbers	Description	Function
RTS39E5002B01-23K	Flush-mounted transmitter 2-channel	2x ON/OFF (switch) 2x ON/OFF (button) 2x PULSE (button)

## RTS43 Surface mounted transmitter

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

Up to 2 buttons or switches can be connected. 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 RTS43 features very high transmission power. It can therefore operate at ranges of up to 300 m in free field.

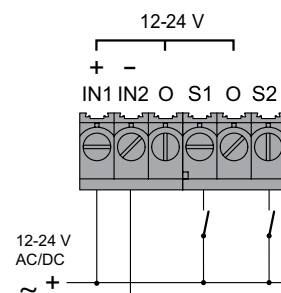
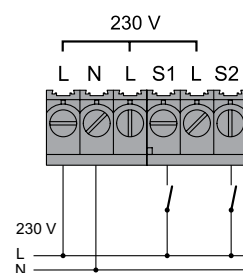


RTS43E5002Axx-01K

### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	2
Range	typically 300 m in good free-field conditions
Power supply	
RTS43E5002A01	230 V AC, 50 Hz
RTS43E5002A02	12-24 V AC/DC
Power consumption	2.5 W
Operation	via connected button/switch
Function	depends on the receiver (see models)
Degree of protection	IP65
Operating temperature	-20 °C to +60 °C
Dimensions	162 x 70 x 38 mm
Weight	200 g
Color	white similar to RAL 9003

### Wiring diagram



### Scope of delivery

- Surface mounted transmitter
- Mounting kit
- Operating manual

### Accessories (optional)

ACC-CON-05-21P	Jumper 13 mm black RM 2,54
----------------	----------------------------



ACC-CON-05-21P

### Models

Product numbers	Description	Function
RTS43E5002A01-01K	Surface mounted transmitter 2-channel 230 V, white	2x ON/OFF (switch) 2x ON/OFF (button)
RTS43E5002A02-01K	Surface mounted transmitter 2-channel, 12-24 V, white	2x PULSE (button)

## LIGHT AND MOTOR CONTROL, UNIVERSAL APPLICATIONS

### RECEIVERS

Explanation of contact loads	
Ohmic load	incandescent lamps, 230 V halogen lamps
Inductive load	halogen lamps with wound transformers (transformer loaded to at least 85 %)
	non- or serial-compensated fluorescent lamps with ferromagnetic ballasts
	parallel-compensated fluorescent lamps with ferromagnetic ballasts
Electronic ballast capacity	electronic ballasts, electronic transformers, etc.

## RCJ01 Flush-mounted receiver 230 V

This RCJ01 flush-mounted receiver is designed to directly switch mains voltage devices on and off when in the ON/OFF (1- or 2-button operation) or TIMER operating modes.

With its compact dimensions, the RCJ01 can fit into all standard flush-mounted boxes. Up to 32 transmitters can be programmed into the receiver's memory, ensuring that complex control tasks can be solved easily without taking up unnecessary space.

The programming itself is very simple and is carried out by pressing a button directly on the device.

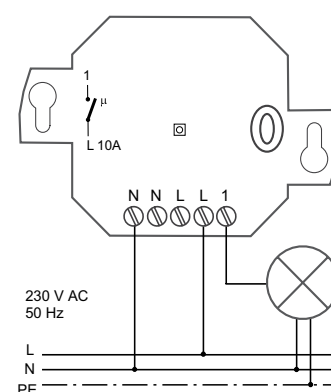


RCJ01E5001-01-23K

### Technical specifications

Coding	Easywave Up to 32 transmitters can be programmed.
Frequency	868.30 MHz
Channels	1
Power supply	230 V AC, 50 Hz
Power consumption	1.2 W standby 1.2 W relay switched (without load)
Operating modes	ON/OFF (2-button operation) ON/OFF (1-button operation) TIMER (7 minutes, retriggerable)
Outputs	1 relay contact (normally open)
Maximum contact load	
- ohmic load	10.0 A / 2,300 VA
- inductive load	2.6 A / 600 VA
- non- or serial-compensated fluorescent lamps	10.0 A / 2,300 VA
- parallel-compensated fluorescent lamps	2.6 A / 600 VA
- electronic ballast capacity	4.0 A / 920 VA
Operating temperature	-20 °C to +60 °C
Dimensions	46 x 46 x 25 mm

### Wiring diagram



### Scope of delivery

- Flush-mounted receiver
- Operating manual

### Models

Product numbers	Description
RCJ01E5001-01-23K	Flush-mounted receiver 1-channel , 230 V

## RCJ01 Flush-mounted receiver 230 V – potential-free contact

This version of the RCJ01 flush-mounted receiver is designed to switch low-voltage or mains voltage devices on and off via a potential-free contact when in the ON/OFF (1- or 2-button operation) or DEADMAN operating modes.

With its compact dimensions, the RCJ01 can fit into all standard flush-mounted boxes.

Up to 32 transmitters can be programmed into the receiver's memory, ensuring that complex control tasks can be solved easily without taking up unnecessary space.

The programming itself is very simple and is carried out by pressing a button directly on the device.

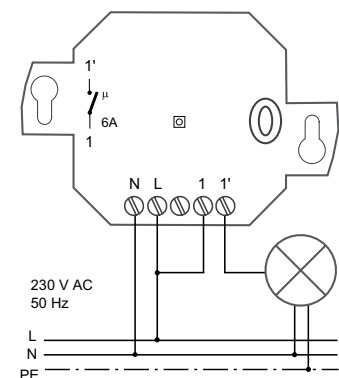
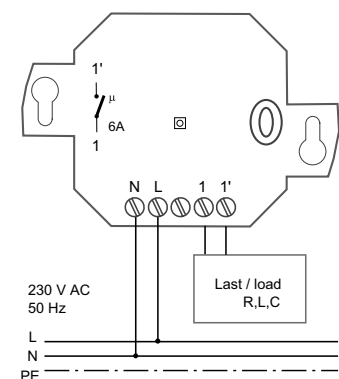


RCJ01E5001-02-23K

### Technical specifications

Coding	Easywave Up to 32 transmitters can be programmed.
Frequency	868.30 MHz
Channels	1
Power supply	230 V AC, 50 Hz
Power consumption	1.2 W standby 1.2 W relay switched (without load)
Operating modes	ON/OFF (2-button operation) ON/OFF (1-button operation) DEADMAN (maximum 36 seconds)
Outputs	1 potential-free relay contact (normally open)
Maximum contact load	
- ohmic load	6.0 A / 1,380 VA
- inductive load	2.6 A / 600 VA
- non- or serial-compensated fluorescent lamps	6.0 A / 1,380 VA
- parallel-compensated fluorescent lamps	2.6 A / 600 VA
- electronic ballast capacity	4.0 A / 920 VA
Operating temperature	-20 °C to +60 °C
Dimensions	46 x 46 x 25 mm

### Wiring diagram



### Scope of delivery

- Flush-mounted receiver
- Operating manual

### Models

Product numbers	Description
RCJ01E5001-02-23K	Flush-mounted receiver 1-channel, 230 V, potential-free contact

## RCJ01 Flush-mounted low-voltage receiver 12-24 V – potential-free contact

This version of the RCJ01 flush-mounted receiver is designed to switch low-voltage devices on and off via a potential-free contact when in the ON/OFF (1- or 2-button operation) or DEADMAN operating modes.

With its compact dimensions, the RCJ01 can fit into all standard flush-mounted boxes.

Up to 32 transmitters can be programmed into the receiver's memory, ensuring that complex control tasks can be solved easily without taking up unnecessary space.

The programming itself is very simple and is carried out by pressing a button directly on the device.

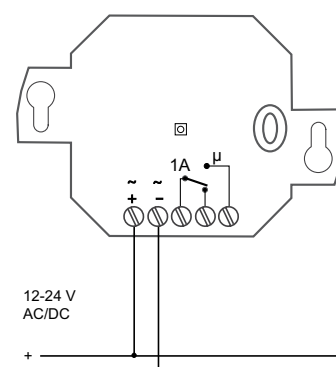


RCJ01E5001-03-23K

### Technical specifications

Coding	Easywave Up to 32 transmitters can be programmed.
Frequency	868.30 MHz
Channels	1
Power supply	12-24 V AC/DC
Power consumption	0.35 W standby at 12 V AC, 1.00 W standby at 24 V AC, 0.23 W standby at 12 V DC, 0.60 W standby at 24 V DC, 0.55 W relay switched at 12 V AC (without load), 1.50 W relay switched at 24 V AC (without load), 0.35 W relay switched at 12 V DC (without load), 1.00 W relay switched at 24 V DC (without load),
Operating modes	ON/OFF (2-button operation) ON/OFF (1-button operation) DEADMAN (maximum 36 seconds)
Outputs	1 potential-free relay contact (changeover contact)
Maximum contact load	
- AC	60 V / 1 A / 30 VA
- DC	125 V / 1 A / 62 VA
Operating temperature	-20 °C to +60 °C
Dimensions	46 x 46 x 25 mm

### Wiring diagram



### Scope of delivery

- Flush-mounted receiver
- Operating manual

### Models

Product numbers	Description
RCJ01E5001-03-23K	Flush-mounted receiver 1-channel, 12-24 V

## RCJ01 Flush-mounted receiver motor/2-button operation

This version of the RCJ01 is designed to control tubular motors directly. The receiver can be controlled by almost any Easywave transmitter in the UP/DOWN or DEADMAN operating modes. In the DEADMAN operating mode, it is possible to adjust the slats of blinds.

In order to avoid overloading the roller shutter motor, this RCJ01 is equipped with an automatic switch-off mechanism.

Up to 32 transmitters can be programmed into the receiver's memory, ensuring that complex control tasks can be solved easily without taking up unnecessary space. The programming is very simple and is carried out by pressing a button directly on the device.

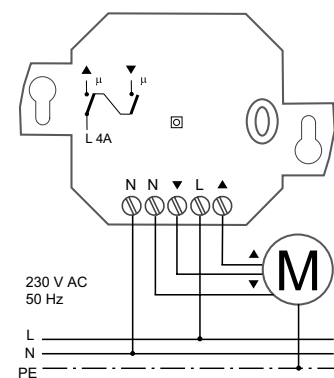


RCJ01E5002-04-23K

### Technical specifications

Coding	Easywave Up to 32 transmitters can be programmed.
Frequency	868.30 MHz
Channels	1
Power supply	230 V AC, 50 Hz
Power consumption	1.2 W standby 1.2 W relay switched (without load)
Operating modes	UP/DOWN (2-button operation, stop with the opposite direction button) DEADMAN / slat adjustment (maximum 36 seconds)
Outputs	2 relay contacts (normally open)
Maximum contact load	
- ohmic load $\cos\varphi = 1.0$	4.0 A / 920 VA
- inductive load $\cos\varphi = 0.8$	3.2 A / 736 VA
Operating temperature	-20 °C to +60 °C
Dimensions	46 x 46 x 25 mm

### Wiring diagram



### Scope of delivery

- Flush-mounted receiver
- Operating manual

### Models

Product numbers	Description
RCJ01E5002-04-23K	Flush-mounted receiver 1-channel, motor/2-button operation

## RCJ01 Flush-mounted receiver motor/3-button operation

This version of the RCJ01 flush-mounted receiver is designed to control tubular motors directly. The receiver can be controlled by almost any 3-channel Easywave transmitter in the UP/STOP/DOWN operating mode. In order to avoid overloading the roller shutter motor, it is equipped with an automatic switch-off mechanism.

With its compact dimensions, the RCJ01 fits into all standard flush-mounted boxes.

Up to 32 transmitters can be programmed into the receiver's memory, ensuring that complex control tasks can be solved easily without taking up unnecessary space. The programming is very simple and is carried out by pressing a button directly on the device.

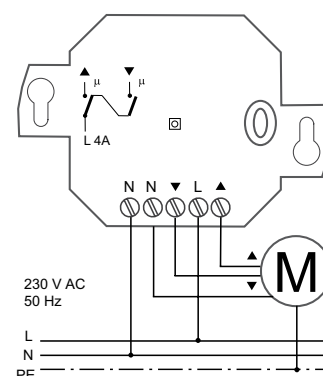


RCJ01E5002-01-23K

### Technical specifications

Coding	Easywave Up to 32 transmitters can be programmed.
Frequency	868.30 MHz
Channels	1
Power supply	230 V AC, 50 Hz
Power consumption	1.2 W standby 1.2 W relay switched (without load)
Operating modes	UP/STOP/DOWN (3-button operation)
Outputs	2 relay contacts (normally open)
Maximum contact load	
- ohmic load $\cos\phi = 1.0$	4.0 A / 920 VA
- inductive load $\cos\phi = 0.8$	3.2 A / 736 VA
Operating temperature	-20 °C to +60 °C
Dimensions	46 x 46 x 25 mm

### Wiring diagram



### Scope of delivery

- Flush-mounted receiver
- Operating manual

### Models

Product numbers	Description
RCJ01E5002-01-23K	Flush-mounted receiver 1-channel, motor/3-button operation



## RCJ02 Flush-mounted receiver with time switch

The RCJ02 flush-mounted receiver is a mains-operated radio receiver equipped with a time switch. It is designed to be mounted in standard switch boxes.

Besides switching devices on and off according to a timer, the RCJ02 is also able to control the brightness of a roller shutter system in connection with the SL01 light sensor. Up to 50 switching times can be programmed into the receiver's memory for a switching period of 24 weeks (daily function) or seven days (weekly function).

Up to 36 additional transmitters can be programmed into the receiver's memory, allowing for larger user groups to be managed.

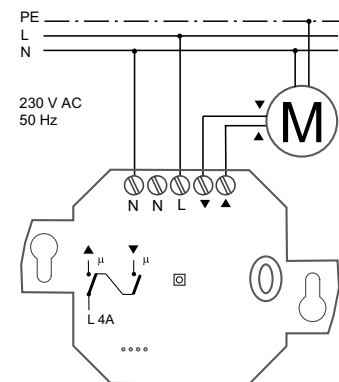


RCJ02E5002-01-02K

### Technical specifications

Coding	Easywave Up to 36 transmitters can be programmed.
Frequency	868.30 MHz
Channels	1
Power supply	230 V AC, 50 Hz
Power consumption	1.5 W standby 1.7 W relay switched (without load)
Operating modes	UP/STOP/DOWN
Outputs	2 relay contacts (normally open)
Maximum contact load	
- ohmic load $\cos\phi = 1.0$	4.0 A / 920 VA
- inductive load $\cos\phi = 0.8$	3.2 A / 736 VA
Operating temperature	0 °C to +50 °C
Dimensions	80 x 80 x 45 mm
Color	white similar to RAL 9003

### Wiring diagram



### Scope of delivery

- Flush-mounted receiver with time switch
- Mounting kit
- Operating manual

### Accessories (optional)

SL01E5001-01-01K	Light sensor, white
------------------	---------------------



SL01E5001-01-01K

### Models

Product numbers	Description
RCJ02E5002-01-02K	Flush-mounted receiver 1-channel, with time switch, white

## RCJ06 Flush-mounted receiver 230 V – potential-free changeover contact

The RCJ06 flush-mounted receiver is designed to alternately switch low-voltage or mains voltage devices on and off when in the ON/OFF (1- or 2-button operation) or DEADMAN operating modes.

With its compact dimensions, the RCJ06 fits into all standard flush-mounted boxes.

Up to 32 transmitters can be programmed into the receiver's memory. The programming is very simple and is carried out by pressing a button directly on the device.

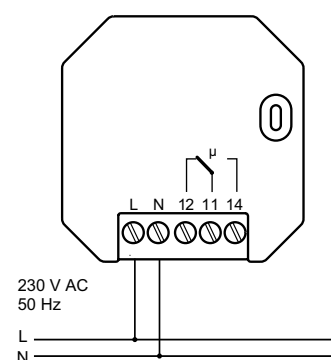


RCJ06E5001-01-23K

### Technical specifications

Coding	Easywave Up to 32 transmitters can be programmed.
Frequency	868.30 MHz
Channels	1
Power supply	230 V AC, 50 Hz
Power consumption	0.25 W standby 0.80 W relay switched (without load)
Operating modes	ON/OFF (2-button operation) ON/OFF (1-button operation) DEADMAN (maximum 36 seconds)
Outputs	1 potential-free relay contact (normally open)
Maximum contact load	
- ohmic load	10.0 A / 2,300 VA
- inductive load	3.0 A / 690 VA
- non- or serial-compensated fluorescent lamps	6.0 A / 1,380 VA
- parallel-compensated fluorescent lamps	3.0 A / 690 VA
- electronic ballast capacity	6.0 A / 1,380 VA
Operating temperature	-20 °C to +60 °C
Dimensions	48 x 48 x 25 mm

### Wiring diagram



### Scope of delivery

- Flush-mounted receiver
- Operating manual

### Models

Product numbers	Description
RCJ06E5001-01-23K	Flush-mounted receiver 1-channel, 230 V, potential-free changeover contact

## RCJ16 Flush-mounted receiver STATUS 230V – potential-free contact

The RCJ16 flush-mounted receiver is designed to switch low-voltage or mains voltage devices on and off. A total of 32 transmission codes can be programmed into the receiver's memory. All programmed transmission codes are combined according to an AND/OR logic:

### AND combination

If **all** of the programmed transmitters send a B telegram (**OFF**), the relay switches off.

### OR combination

If **one** of the programmed transmitters sends an A telegram (**ON**), the relay switches on.

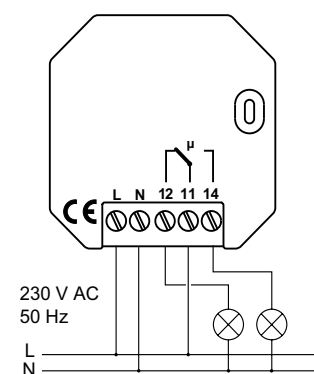


RCJ16E5001-01-23K

### Technical specifications

Coding	Easywave Up to 32 transmitters can be programmed.
Frequency	868.30 MHz
Channels	1
Power supply	230 V AC, 50 Hz
Power consumption	0.25 W standby 0.80 W relay switched (without load)
Operating modes	AND/OR
Outputs	1 potential-free relay contact (changeover contact)
Maximum contact load	
- ohmic load	10.0 A / 2,300 VA
- inductive load	3.0 A / 690 VA
- non- or serial-compensated florescent lamps	6.0 A / 1,380 VA
- parallel-compensated flores- cent lamps	3.0 A / 690 VA
- electronic ballast capacity	6.0 A / 1,380 VA
Operating temperature	-20 °C to +60 °C
Dimensions	48 x 48 x 25 mm

### Wiring diagram



### Scope of delivery

- Flush-mounted receiver
- Operating manual

### Models

Product numbers	Description
RCJ16E5001-01-23K	Flush-mounted receiver 1-channel, 230 V, potential-free changeover contact, AND/OR

## RCJ14 Flush-mounted dimmer 230 V

The RCJ14 flush-mounted dimmer can be used to control and dim lighting of up to 250 W.

Ohmic, capacitive and inductive loads can be dimmed. This includes both dimmable energy saving lamps (ESL) and dimmable LEDs.

The RCJ14 can be operated with an Easywave radio transmitter or an external button connected to the dimmer.

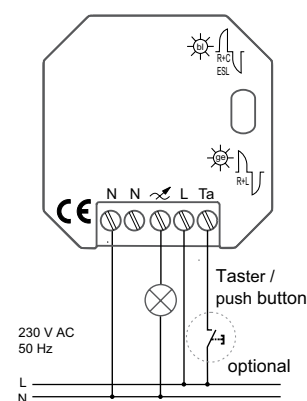


RCJ14E5001-01-23K

### Technical specifications

Coding	Easywave Up to 32 transmitters can be programmed.
Frequency	868.30 MHz
Channels	1
Power supply	230 V AC, 50 Hz
Power consumption	0.7 W standby
Operating modes	dim with memory (2- and 1-button operation) dim without memory (2- and 1-button operation) dim using external switch (1-button operation) control fixed brightness levels (2- and 1-button operation)
Input	external mechanical button
Output	electronic switch
Type of dimmer	leading edge or trailing edge
Maximum contact load	
- ohmic load	250 W
- inductive load	20 - 250 VA
- LED + ESL	7 - 100 VA
- capacitive load	250 VA
Operating temperature	-20 °C to +60 °C
Dimensions	48 x 48 x 25 mm

### Wiring diagram



### Scope of delivery

- Flush-mounted dimmer
- Operating manual

### Models

Product numbers	Description
RCJ14E5001-01-23K	Flush-mounted dimmer 1-channel, 230 V

## RCU09 Built-in receiver motor/2-button operation

The RCU09 built-in receiver serves to open and close roller shutters.

It can be controlled using up to 32 hand transmitters or wall switches (2-button operation) and switches off automatically after a maximum of 90 seconds.

The devices can be installed in suspended ceilings as well as in raised floors.



RCU09E5002-01-03K

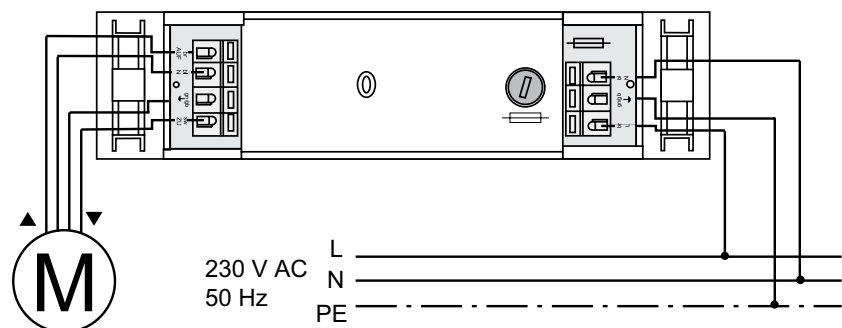
### Technical specifications

Coding	Easywave Up to 32 transmitters can be programmed.
Frequency	868.30 MHz
Channels	1
Power supply	230 V AC, 50 Hz
Power consumption	1.0 W standby 1.0 W relay switched (without load)
Operating modes	UP/DOWN (2-button operation, stop with the opposite direction button) DEADMAN (maximum 36 seconds)
Outputs	2 relay contacts (normally open)
Maximum contact load	
- ohmic load $\cos\phi = 1.0$	2.5 A / 575 VA
- inductive load $\cos\phi = 0.8$	2.0 A / 460 VA
Operating temperature	0 °C to +40 °C
Dimensions	210 x 45 x 32 mm

### Scope of delivery

- Built-in receiver
- Operating manual

### Wiring diagram



### Models

Product numbers	Description
RCU09E5002-01-03K	Built-in receiver 1-channel, motor/2-button operation

## RCU10 Built-in receiver 230V

This RCU10 built-in receiver is designed to switch mains voltage devices on an off when in the ON/OFF or TIMER operating modes.

The RCU10 can be controlled with up to 32 Easy-wave hand transmitters and Easywave wall switches.

The devices can be installed in suspended ceilings, lights as well as in raised floors.



RCU10E5001-01-03K

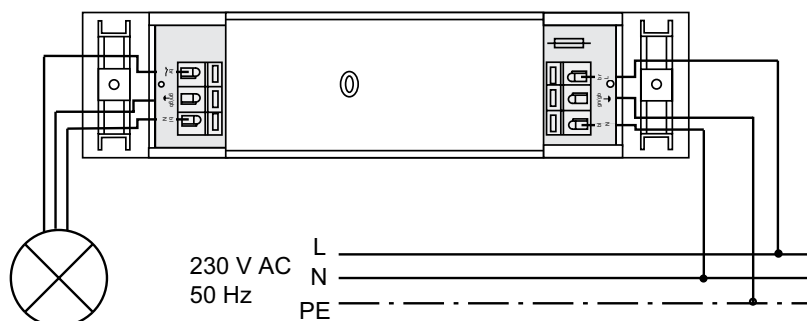
### Technical specifications

Coding	Easywave Up to 32 transmitters can be programmed.
Frequency	868.30 MHz
Channels	1
Power supply	230 V AC, 50 Hz
Power consumption	1.0 W standby 1.0 W relay switched (without load)
Operating modes	ON/OFF (2-button operation) ON/OFF (1-button operation) TIMER (7 minutes, retriggerable)
Outputs	1 relay contact (normally open)
Maximum contact load	
- ohmic load $\cos\phi = 1.0$	16.0 A / 3,680 VA
- inductive load $\cos\phi = 0.8$	6.4 A / 1,472 VA
Operating temperature	0 °C to +40 °C
Dimensions	210 x 45 x 32 mm

### Wiring diagram

#### Scope of delivery

- Built-in receiver
- Operating manual



### Models

Product numbers	Description
RCU10E5001-01-03K	Built-in receiver 1-channel, 230 V

## RCS04 Built-in dimcontroller 1-10 V

The RCS04 has two outputs for dimming electronic ballasts with 1-10 V DC control input.

The rotary switch is used to set the functions and the time selection.

Up to 32 transmitters can be programmed into a dimmer, that is to say 16 transmitters per channel.

Each transmitter button can be assigned a different dimming function.



RCS04E5002-01-01K

### Technical specifications

Coding	Easywave Up to 32 transmitters can be programmed.
Frequency	868.30 MHz
Channels	2
Power supply	230 V AC, 50 Hz
Power consumption	2.0 W standby (relay 1+2) 3.7 W relays 1+2 switched (without load)
Operating modes	dimmer ON/OFF without memory (1-button operation) dimmer ON/OFF with memory (1-button operation) dimmer ON/OFF with memory (2-button operation) ON with memory, OFF, dim (4-button operation)
Inrush current	maximum 80 A / 20 ms
Outputs	<ul style="list-style-type: none"> <li>2 separate relay contacts, normally open, <math>\mu</math> 4 A, 230 V/50 Hz, one relay contact for each output, L'</li> <li>2 outputs 1-10 V DC, each maximum I = 45 mA control current</li> </ul>
Operating temperature	-20 °C to +60 °C
Dimensions	235 x 55 x 35 mm

### Scope of delivery

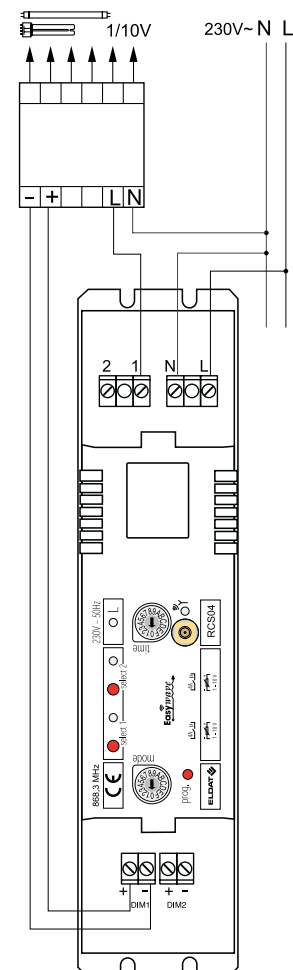
- Built-in dimcontroller
- Operating manual

### Accessories (optional)

ACC-ANT50-01-21P 868.3 MHz external antenna with coaxial plug, cable length 3 m



### Wiring diagram



### Models

#### Product numbers

RCS04E5002-01-01K

#### Description

Built-in dimcontroller 2-channel, 1-10 V

## RCR02 DIN-Rail receiver 2HP 230V 2-channel

The RCR02E 2-channel DIN rail receiver is used for potential-free activation of two mains power devices, and can be paired with one-button and two-button operation transmitters. 32 transmission codes can be paired with each switching output.

The receiver can be operated in ON/OFF, PULSE and DEAD MAN'S SWITCH modes. ON/OFF mode also has two TIMER functions and a LOGIC function.

The device is suitable for mounting to a standard DIN rail (35 x 7.5 mm).

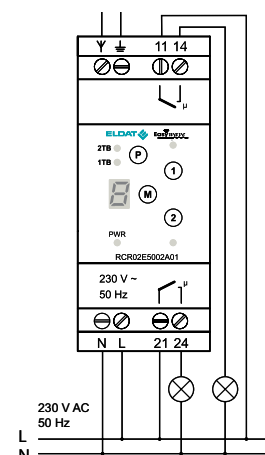


RCR02E5002A01-29K

### Technical specifications

Coding	Easywave, 32 channels can be learned per output
Frequency	868.30 MHz
Channels	2
Power supply	230 V AC, 50 Hz
Power consumption	0.6 W standby
Operating modes	ON/OFF (1-button operation) ON/OFF (2-button operation) PULSE TIMER I (switching time fixed) TIMER II (switching time adjustable) DEAD MAN LOGIC (2-button operation)
Outputs	2 potential-free relay contact (normally open)
Maximum contact load	
- ohmic load	16.0 A / 3,680 VA
- inductive load	3.0 A / 690 VA
- non- or serial-compensated fluorescent lamps	3.0 A / 690 VA
- parallel-compensated fluorescent lamps	3.2 A / 736 VA
- electronic ballast capacity	4.0 A / 920 VA
Operating temperature	-20 °C to +60 °C
Dimensions (W/L/H)	34,5/89,6/62,8 mm

### Wiring diagram



### Scope of delivery

- DIN-rail receiver 2HP
- Operating manual

### Accessories (optional)

- ACC-ANT50-03-21P 868.30 MHz external antenna cable length 5 m



### Models

#### Product numbers

RCR02E5002A01-29K

#### Description

DIN-Rail receiver 2HP 2-channel 230V potential-free contact



## RCR02 DIN-Rail receiver 4HP 230 V 4-channel

The RCR02E 4-channel DIN rail receiver is used for potential-free activation of four mains power devices, and can be paired with one-button and two-button operation transmitters. 32 transmission codes can be paired with each switching output.

The receiver can be operated in ON/OFF, PULSE and DEAD MAN'S SWITCH modes. ON/OFF mode also has two TIMER functions and a LOGIC function.

The device is suitable for mounting to a standard DIN rail (35 x 7.5 mm).



RCR02E5004A01-29K

### Technical specifications

Coding	Easywave, 32 channels can be learned per output
Frequency	868.30 MHz
Channels	4
Power supply	230 V AC, 50 Hz
Power consumption	0.6 W standby
Operating modes	ON/OFF (1-button operation) ON/OFF (2-button operation) PULSE TIMER I (switching time fixed) TIMER II (switching time adjustable) DEAD MAN LOGIC (2-button operation)
Outputs	2 potential-free relay contact (normally open) 2 potential-free relay contact (change over)
Maximum contact load	
- ohmic load	16.0 A / 3,680 VA
- inductive load	3.0 A / 690 VA
- non- or serial-compensated fluorescent lamps	3.0 A / 690 VA
- parallel-compensated fluorescent lamps	3.2 A / 736 VA (NO) 1.5 A / 345 VA (NC)
- electronic ballast capacity	4.0 A / 920 VA
Operating temperature	-20 °C to +60 °C
Dimensions (W/L/H)	70,5/89,6/62,8 mm

### Scope of delivery

- DIN-rail receiver 4HP
- Operating manual

### Accessories (optional)

ACC-ANT50-03-21P 868.30 MHz external antenna  
cable length 5 m



### Models

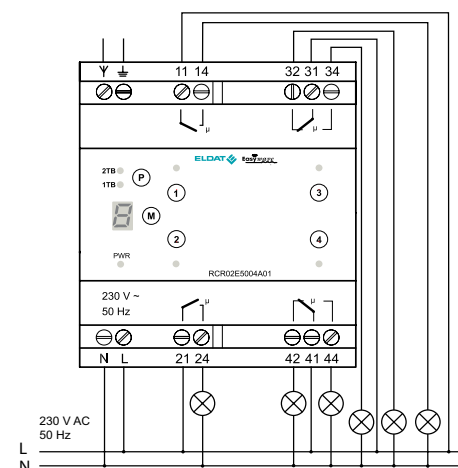
#### Product numbers

RCR02E5004A01-29K

#### Description

DIN-Rail receiver 4HP 4-channel 230V potential-free contact

### Wiring diagram



## RCR03 DIN-Rail receiver 2HP MOTOR 2-channel

The RCR03 2-channel DIN rail receiver is used for control of two tubular motors.

Different modes are used for controlling roller shutters and blinds.

In standard use, the running time is 120 seconds. If applications are dependent on running time, the running time can be adjusted or target positions can be set.

The terrace function allows the closing direction of one or several outputs to be locked, therefore preventing accidental lockout.

The device is suitable for mounting to a standard DIN rail (35 x 7.5 mm).

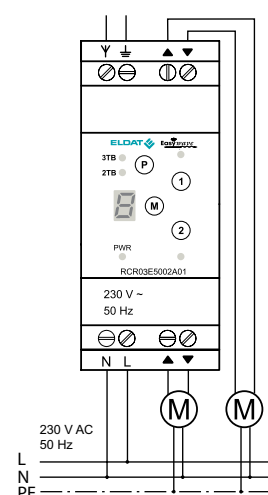


RCR03E5002A01-29K

### Technical specifications

Coding	Easywave, 32 channels can be learned per output
Frequency	868.30 MHz
Channels	2
Power supply	230 V AC, 50 Hz
Power consumption	0.5 W standby
Operating modes	UP/STOP/DOWN (3-button operation. Slat adjustment possible.) UP/DOWN (2-button operation. Stop with opposite direction. Slat adjustment possible.) arrive POSITION DEAD MAN
Outputs	2 outputs with each 2 relay contacts
Maximum contact load	
- ohmic load $\cos\phi = 1.0$	6,0 A / 1.500 VA
- inductive load $\cos\phi = 0.8$	4,8 A / 1.200 VA
Operating temperature	-20 °C to +60 °C
Dimensions (W/L/H)	34,5/89,6/62,8 mm

### Wiring diagram



### Scope of delivery

- DIN-rail receiver 2HP
- Operating manual

### Accessories (optional)

- ACC-ANT50-03-21P 868.30 MHz external antenna cable length 5 m



### Models

#### Product numbers

RCR03E5002A01-29K

#### Description

DIN-Rail receiver 2HP 2-channel MOTOR 230V

## RCR03 DIN-Rail receiver 4HP MOTOR 4-channel

The RCR03 4-channel DIN rail receiver is used for potential-free control of four tubular motors.

Different modes are used for controlling roller shutters and blinds.

In standard use, the running time is 120 seconds. If applications are dependent on running time, the running time can be adjusted or target positions can be set.

The terrace function allows the closing direction of one or several outputs to be locked, therefore preventing accidental lockout.

The device is suitable for mounting to a standard DIN rail (35 x 7.5 mm).



RCR03E5004A01-29K

### Technical specifications

Coding	Easywave, 32 channels can be learned per output
Frequency	868.30 MHz
Channels	4
Power supply	230 V AC, 50 Hz
Power consumption	0.5 W standby
Operating modes	UP/STOP/DOWN (3-button operation. Slat adjustment possible.) UP/DOWN (2-button operation. Stop with opposite direction. Slat adjustment possible.) arrive POSITION DEAD MAN
Outputs	4 potential-free outputs with each 2 relay contacts
Maximum contact load	
- ohmic load $\cos\phi = 1.0$	6,0 A / 1.500 VA
- inductive load $\cos\phi = 0.8$	4,8 A / 1.200 VA
Operating temperature	-20 °C to +60 °C
Dimensions (W/L/H)	70,5/89,6/62,8 mm

### Scope of delivery

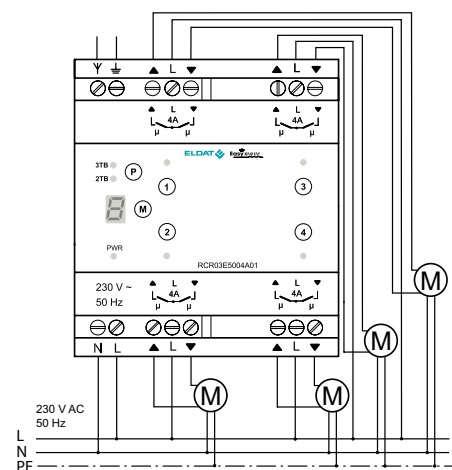
- DIN-rail receiver 4HP
- Operating manual

### Accessories (optional)

ACC-ANT50-03-21P 868.30 MHz external antenna  
cable length 5 m



### Wiring diagram



### Models

Product numbers	Description
RCR03E5004A01-29K	DIN-Rail receiver 4HP 4-channel motor 230V

## RCL03 Low-voltage mini receiver

The RCL03 mini receiver is used above all to upgrade existing systems.

Its two potential-free relay contacts make it possible to upgrade a wide variety of systems with a radio interface. Converting a garage door motor is just as easy as integrating Easywave transmitters in complex home call systems.

The RCL03 is powered by 12-24 V AC/DC and can be programmed with up to 32 transmission codes.



RCL03E5002-01-01K

### Technical specifications

Coding	Easywave Up to 32 transmitters can be programmed.
Frequency	868.30 MHz
Channels	2
Power supply	12-24 V AC/DC
Power consumption	0.4 W standby at 24 V DC 0.8 W standby at 24 V AC
Operating modes	DEADMAN (maximum 36 seconds) UP/DOWN (2-button operation) ON/OFF (2-button operation) PULSE (1 second)
Outputs	2 potential-free relay contacts (changeover contacts)
Maximum contact load	
- AC	24 V / 1 A / 24 VA
- DC	30 V / 1 A / 30 W
Operating temperature	-20 °C to +60 °C
Dimensions	70 x 64 x 35 mm
Color	white similar to RAL 9003

### Scope of delivery

- Mini receiver
- Adhesive pad
- Operating manual

### Accessories (optional)

RCL03-ACC-01-00P	2x cable assembly length 45 cm
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RCL03-ACC-01-00P

### Models

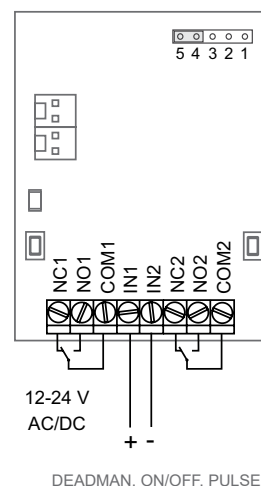
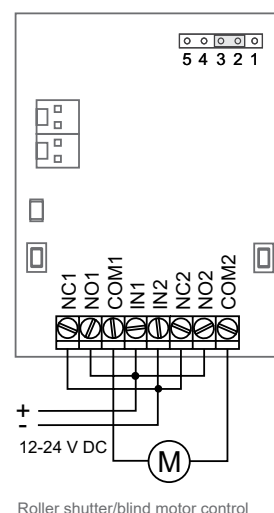
#### Product numbers

RCL03E5002-01-01K

#### Description

Low-voltage mini receiver 2-channel, white

### Wiring diagram



## RCL04 Low-voltage mini receiver

The RCL04 mini receiver is used above all to upgrade existing systems.

Its two potential-free relay contacts make it possible to upgrade a wide variety of systems with a radio interface. Converting a garage door motor is just as easy as integrating Easywave transmitters in complex home call systems.

The RCL04 is powered by 12-24 V AC/DC and can be programmed with up to 32 transmission codes. Technically speaking, the RCL04 is identical to the RCL03 except with regard to its housing, which is protected against dust and water.



RCL04E5002-01-01K

### Technical specifications

Coding	Easywave Up to 32 transmitters can be programmed.
Frequency	868.30 MHz
Channels	2
Power supply	12-24 V AC/DC
Power consumption	0.4 W standby at 24 V DC 0.8 W standby at 24 V AC
Operating modes	DEADMAN (maximum 36 seconds) ON/OFF (2-button operation) ON/OFF (2-button operation) PULSE (1 second)
Outputs	2 potential-free relay contacts (changeover contacts)
Maximum contact load	
- AC	24 V / 1 A / 24 VA
- DC	30 V / 1 A / 30 W
Operating temperature	-20 °C to +60 °C
Dimensions	72 x 114 x 36 mm
Color	white similar to RAL 9003

### Scope of delivery

- Mini receiver
- Adhesive pad
- Operating manual

### Accessories (optional)

RCL03-ACC-01-00P	2x cable assembly length 45 cm
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RCL03-ACC-01-00P

### Models

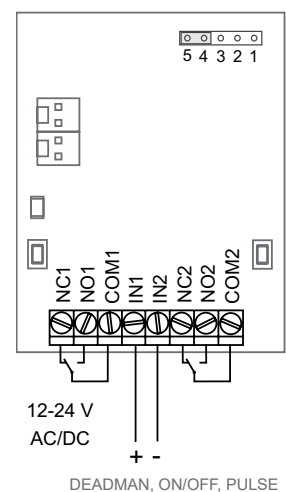
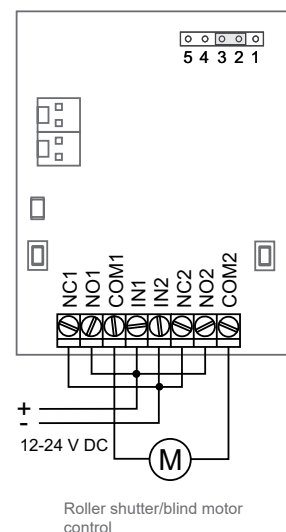
#### Product numbers

RCL04E5002-01-01K

#### Description

Low-voltage mini receiver 2-channel, white

### Wiring diagram



## RCL07 Low-voltage mini receiver

The RCL07 mini receiver is a radio micro-receiver equipped with two potential-free switch contacts and designed for a variety of different applications.

The mini receiver is suitable for converting existing radio systems or for upgrading wired switchgear.

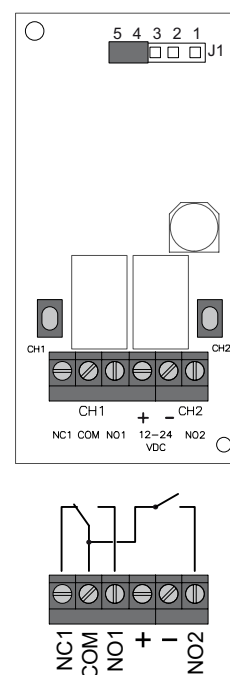


RCL07E5002-01-02K

### Technical specifications

Coding	Easywave Up to 32 transmitters can be programmed.
Frequency	868.30 MHz
Channels	2
Power supply	12-24 V DC
Power consumption	0.3 W standby at 24 V DC
Operating modes	DEADMAN (maximum 36 seconds) PULSE (1 second) ON/OFF (2-button operation)
Outputs	2 potential-free relay contacts (1x changeover contact, 1x normally open contact) combined
Maximum contact load	DC: 30 V / 1 A / 30 W
Protection degree	IP54
Operating temperature	-20 °C to +60 °C
Dimensions	35 x 80 x 20 mm
Color	white similar to RAL 9003

### Wiring diagram



### Scope of delivery

- Mini receiver
- Operating manual

### Models

Product numbers	Description
RCL07E5002-01-02K	Low-voltage mini receiver 2-channel, white, changeover contact/NO contact

## RCP02 Plug-in socket receiver PULSE

The RCP02 plug-in socket receiver receives transmission codes from programmed Easywave radio transmitters and retransmits a 1-second pulse to the connected device via the pulse output.

With the RCP02, it is therefore easy to retrofit or convert garage door motors, for example, by installing a radio interface.

The RCP02 also comes with a power outlet which is not switched and thus remains fully usable.

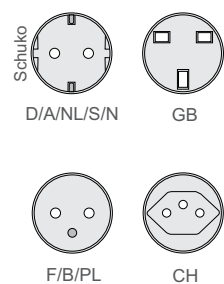


RCP02E5001-01-01K

### Technical specifications

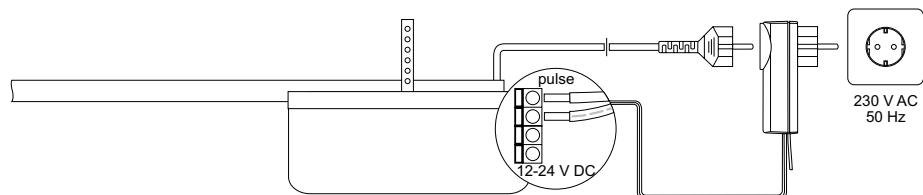
Coding	Easywave Up to 32 transmitters can be programmed.
Frequency	868.30 MHz
Channels	1
Power supply	230 V AC, 50 Hz
Power consumption	1.0 W standby
Operating mode	PULSE (1 second)
Outputs	1 potential-free relay contact country-specific plug system
Maximum contact load	pulse output: 1 A / 24 V DC mains voltage (not switchable): 10 A / 230 V AC
Operating temperature	-10 °C to +35 °C
Dimensions	50 x 120 x 75 mm
Color	white similar to RAL 9003

### Plug system



### Scope of delivery

- Plug-in socket receiver
- Cable (length 155 cm)
- Operating manual



### Wiring diagram

### Models

Product numbers	Description	Plug system
RCP02E5001-01-01K	Plug-in socket receiver 1-channel, pulse, white	D/A/NL/S/N
RCP02E5001-02-01K	Plug-in socket receiver 1-channel, pulse, white	GB
RCP02E5001-04-01K	Plug-in socket receiver 1-channel, pulse, white	F/B/PL
RCP02E5001-05-01K	Plug-in socket receiver 1-channel, pulse, white	CH

## RCP05 Plug-in socket receiver

The RCP05 plug-in socket receiver is simply inserted between the socket and the device that needs to be controlled.

After programming up to 32 Easywave transmitters, the device to be controlled can be switched on and off at will.

**Energy efficient:** The RCP05 consumes only 0.2 W in standby mode.

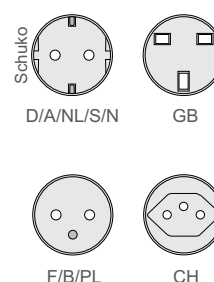


RCP05E5001-01-01K

### Technical specifications

Coding	Easywave Up to 32 transmitters can be programmed.
Frequency	868.30 MHz
Channels	1
Power supply	230 V AC, 50 Hz
Power consumption	0.2 W standby 0.8 W relay switched (without load)
Operating modes	ON/OFF (2-button operation) ON/OFF (1-button operation) TIMER (7 minutes, retriggerable)
Outputs	1 relay contact (normally open)
Maximum contact load	
D/A/NL/S/N und CH	10 A / 230 V AC
GB	13 A / 230 V AC
F/B/PL	16 A / 230 V AC
Operating temperature	-10 °C to +35 °C
Dimensions	50 x 120 x 75 mm
Color	white similar to RAL 9003

### Plug system



### Scope of delivery

- Plug-in socket receiver
- Operating manual

### Models

Product numbers	Description	Plug system
RCP05E5001-01-01K	Plug-in socket receiver 1-channel, white	D/A/NL/S/N
RCP05E5001-02-01K	Plug-in socket receiver 1-channel, white	GB
RCP05E5001-04-01K	Plug-in socket receiver 1-channel, white	F/B/PL
RCP05E5001-05-01K	Plug-in socket receiver 1-channel, white	CH



## RCP14 Plug-in socket dimmer

The RCP14 plug-in socket dimmer can be used to control and dim lighting of up to 250 W.

It can be operated using Easywave radio transmitters with a 1-button operation or 2-button operation or by using the dimmer switch directly.

Ohmic, capacitive and inductive loads can be dimmed. This also includes dimmable energy saving lamps (ESL) and dimmable LEDs.

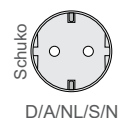


RCP14E5001-01-01K

### Technical specifications

Coding	Easywave Up to 32 transmitters can be programmed.
Frequency	868.30 MHz
Channels	1
Power supply	230 V AC, 50 Hz
Power consumption	0.7 W standby
Operating modes	dim with memory (2- and 1-button operation) dim without memory (2- and 1-button operation) control fixed brightness levels (2- and 1-button operation)
Output	electronic switch
Maximum contact load	
- ohmic load	250 W
- inductive load	20 - 250 VA
- LED + ESL	7 - 100 VA
- capacitive load	250 VA
Operating temperature	-20 °C to +35 °C
Dimensions	50 x 120 x 75 mm
Color	white similar to RAL 9003

### Plug system

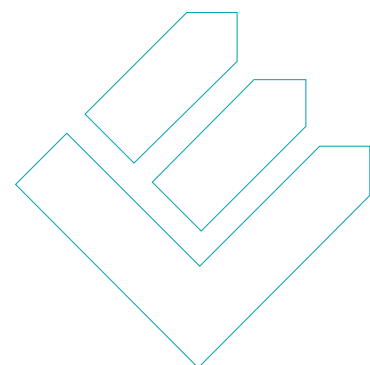


### Scope of delivery

- Plug-in socket dimmer
- Operating manual

### Models

Product numbers	Description	Plug system
RCP14E5001-01-01K	Plug-in socket dimmer 1-channel, white	D/A/NL/S/N



## SENSORS

## RTS16 Radio window contact

The RTS16 window contact can be used to monitor the status of windows, doors or gates. A change in status is transmitted via radio as well as indicated by a two-colored LED.

**ON/OFF:** Opening the contact will transmit an ON signal. Closing the contact will transmit an OFF signal.

**OFF/ON:** Opening the contact will transmit an OFF signal and closing the contact an ON signal.

**Battery monitoring:** The battery status is checked every time a status changes as well as every 24 hours from the last transmission process. If the battery is low, a BATTERY LOW signal is transmitted. The battery status is then checked again every 4 hours and transmitted if necessary.



### Technical specifications

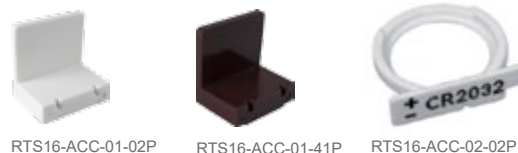
Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	1
Range	typically 150 m in good free-field conditions
Power supply	1x 3V battery, CR2032
Operating indicator	LED (green/red)
Function	ON/OFF OFF/ON
Operating temperature	-20 °C to +60 °C
Dimensions	transmitter module: 65 x 12 x 28 mm corner magnet: 18 x 18 x 13 mm
Weight	22 g (including battery)
Color	white similar to RAL 9003 brown similar to RAL 8015

### Scope of delivery

- Window contact
- Battery
- Corner magnet
- Battery holder
- Mounting kit
- Operating manual

### Accessories (optional)

RTS16-ACC-01-02P	Corner magnet, white
RTS16-ACC-01-41P	Corner magnet, brown
RTS16-ACC-02-02P	Battery holder, white



### Models

Product numbers	Description	Function
RTS16E5001B01-02K	Radio window contact 1-channel, white	ON/OFF
RTS16E5001B01-41K	Radio window contact 1-channel, brown	ON/OFF
RTS16E5001B02-02K	Radio window contact 1-channel, white	OFF/ON
RTS16E5001B02-41K	Radio window contact 1-channel, brown	OFF/ON

## RTS16 Radio window contact with STATUS message

The RTS16 STATUS window contact is used to monitor the status of windows, doors or gates. A change in status is communicated via radio as well as indicated by a two-colored LED.

**ON/OFF:** Opening the contact will transmit an ON signal and closing the contact an OFF signal.

**OFF/ON:** Opening the contact will transmit an OFF signal and closing the contact an ON signal.

**STATUS:** To ensure transmission reliability, changes in status are retransmitted 10 seconds later. The current status of the object is retransmitted 24 hours after the last transmission.

The **battery capacity** is monitored every 24 hours and for each switching process. If it is low, a BATT LOW signal is transmitted and repeated every 4 hours.



### Technical specifications

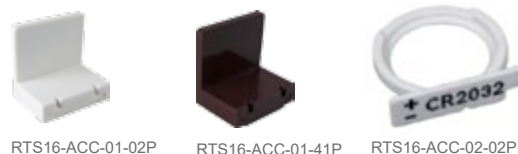
Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	1
Range	typically 150 m in good free-field conditions
Power supply	1x 3V battery, CR2032
Operating indicator	LED (green/red)
Function	ON/OFF OFF/ON STATUS: - telegrams retransmitted after 10 s - current status retransmitted every 24 h
Operating temperature	-20 °C to +60 °C
Dimensions	transmitter module: 65 x 12 x 28 mm corner magnet: 18 x 18 x 13 mm
Weight	22 g (including battery)
Color	white similar to RAL 9003 brown similar to RAL 8015

### Scope of delivery

- Window contact
- Battery
- Corner magnet
- Battery holder
- Mounting kit
- Operating manual

### Accessories (optional)

RTS16-ACC-01-02P	Corner magnet, white
RTS16-ACC-01-41P	Corner magnet, brown
RTS16-ACC-02-02P	Battery holder, white



### Models

Product numbers	Description	Function
RTS16E5001-01-02K	Radio window contact 1-channel, white	ON/OFF, STATUS
RTS16E5001A01-41K	Radio window contact 1-channel, brown	ON/OFF, STATUS
RTS16E5001-02-02K	Radio window contact 1-channel, white	OFF/ON, STATUS
RTS16E5001A02-41K	Radio window contact 1-channel, brown	OFF/ON, STATUS

## RTS26 Radio window handle contact ON/OFF or OFF/ON

The RTS26 is a magnetic contact that signals whether a window is open or not by transmitting a telegram message to an Easywave receiver via radio.

If the window is opened in variant **ON/OFF**, the LED briefly flashes red and the Easywave code A (OPEN/ON) is transmitted. When the window is closed, the LED is briefly flashing green and the Easywave code B (CLOSED/OFF) is transmitted. The variant **OFF/ON** operates in exactly the opposite way.

The battery capacity is checked at least once within 24 hours and during each switching operation. If the capacity is low, an undervoltage telegram is sent and repeated at least once every 4 hours.



### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	1
Range	typically 150 m in good free-field conditions
Power supply	1x 3V battery, CR2032
Operating indicator	LED (green/red)
Function	ON/OFF OFF/ON
Operating temperature	-20 °C to +60 °C
Dimensions	approx. 33 x 166 x 8 mm
Weight	34 g (including battery)
Color	white similar to RAL 9016 brown similar to RAL 8015

### Scope of delivery

- Window handle contact
- Battery
- Magnetic disc
- Battery holder
- Operating manual

### Accessories (optional)

RTS26-ACC-01-01P	Magnetic disc
RTS26-ACC-02-06P	Battery holder, white
RTS26-ACC-02-41P	Battery holder, brown



### Models

Product numbers	Description	Function
RTS26E5001B02-06K	Radio window handle contact 1-channel, white	ON/OFF
RTS26E5001B02-41K	Radio window handle contact 1-channel, brown	ON/OFF
RTS26E5001B03-06K	Radio window handle contact 1-channel, white	OFF/ON
RTS26E5001B03-41K	Radio window handle contact 1-channel, brown	OFF/ON

## RTS26 Radio window handle contact STATUS

The RTS26 STATUS is a magnetic contact that signals whether a window is open or not by transmitting a telegram message to an Easywave receiver via radio.

If the window is opened in variant **ON/OFF**, the LED briefly flashes red and the Easywave code A (OPEN/ON) is transmitted. When the window is closed, the LED is briefly green and the Easywave code B (CLOSED/OFF) is transmitted. The variant **OFF/ON** operates in exactly the opposite way.

For security, all state changes are retransmitted after 10 seconds. After the last transmission, the current state of the objects is retransmitted at least once every 24 hours and the battery capacity is checked. If the capacity is low, an undervoltage telegram is transmitted and repeated at least once every 4 hours.



### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	1
Range	typically 150 m in good free-field conditions
Power supply	1x 3V battery, CR2032
Operating indicator	LED (green/red)
Function	ON/OFF OFF/ON STATUS: - telegrams retransmitted after 10 s - current status retransmitted every 24 h
Operating temperature	-20 °C to +60 °C
Dimensions	approx. 33 x 166 x 8 mm
Weight	34 g (including battery)
Color	white similar to RAL 9016 brown similar to RAL 8015

### Scope of delivery

- Window handle contact
- Battery
- Magnetic disc
- Battery holder
- Operating manual

### Accessories (optional)

RTS26-ACC-01-01P	Magnetic disc
RTS26-ACC-02-06P	Battery holder, white
RTS26-ACC-02-41P	Battery holder, brown



RTS26-ACC-01-01P



RTS26-ACC-02-06P



RTS26-ACC-02-41P

### Models

Product numbers	Description	Function
RTS26E5001-02-06K	Radio window handle contact 1-channel, white	STATUS, ON/OFF
RTS26E5001-02-41K	Radio window handle contact 1-channel, brown	STATUS, ON/OFF
RTS26E5001A03-06K	Radio window handle contact 1-channel, white	STATUS, OFF/ON
RTS26E5001A03-41K	Radio window handle contact 1-channel, brown	STATUS, OFF/ON

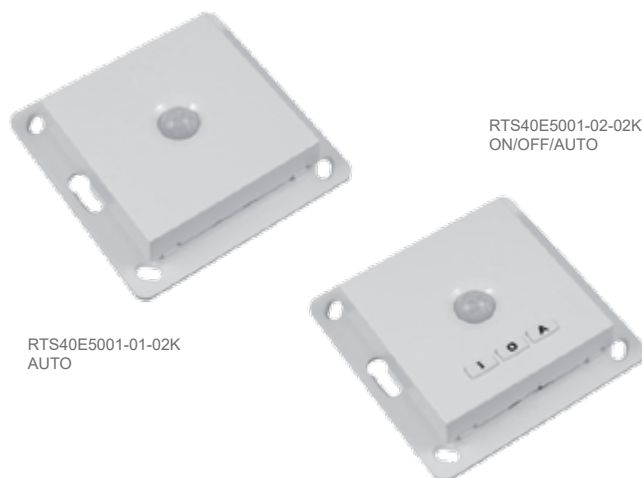
## RTS40 Radio motion detector Format 55

The RTS40 is a battery-operated radio motion detector for inside use. When motion is detected, the detector transmits an ON or OFF signal to an Easywave radio receiver, depending on the settings. Two product versions are available:

**ON/OFF/AUTO:** The motion detector function can be permanently switched ON, OFF or to AUTOMATIC mode.

**AUTO:** The motion detector reacts automatically according to the configured settings.

The sensor can be integrated into cover frames with a cut-out dimension of 55 x 55 mm produced by various manufacturers (see compatibility list on p.29).



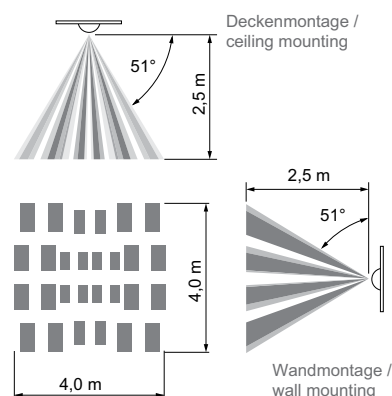
RTS40E5001-01-02K  
AUTO

RTS40E5001-02-02K  
ON/OFF/AUTO

### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	1
Range	typically 150 m in good free-field conditions
Power supply	2x 3V batteries, CR2032
Function	measuring and transmitting motion data switching ON/OFF (2-button operation)
Brightness control	between 10 lx and 500 lx or can be switched off
Run-on time	1 second to 131 minutes; adjustable in stages
Operating temperature	-20 °C to +60 °C
Dimensions	cover: 55 x 55 x 9 mm mounting plate: 71 x 71 x 1.5 mm
Weight	34 g (including batteries)
Color	white similar to RAL 9003

### Detection range



### Scope of delivery

- Transmitter module
- 2 batteries
- Cover
- Mounting plate
- Mounting material
- Operating manual

### Accessories (optional)

RTS22-ACC-01-01P	Mounting plate, white
------------------	-----------------------



RTS22-ACC-01-01P

### Models

Product numbers	Description	Function
RTS40E5001-01-02K	Radio motion detector 1-channel, Format 55, white	AUTO
RTS40E5001-02-02K	Radio motion detector 1-channel, Format 55, white	ON/OFF/AUTO



## SH01 Radio humidity sensor Format 55

The SH01 radio sensor combines a humidity sensor with a push button.

The humidity sensor cyclically measures the relative air humidity and transmits a switching signal to an Easywave radio receiver when defined values are exceeded or reached for a second time. The receiver can then switch connected devices on, such as fans or electrical window openers.

The push button function is a standard Easywave application designed to switch electrical devices ON or OFF.

The sensor can be integrated into cover frames with a cut-out dimension of 55 x 55 mm produced by various manufacturers (see compatibility list on p.29).



SH01E5002-01-02K

### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	2
Range	typically 150 m in good free-field conditions
Power supply	1x 3V battery, CR2032; alternatively: 12-24 V AC/DC wired
Measuring range	1-99 % relative humidity (RH)
Accuracy	± 5 % (at 30-70 % RH)
Switching value	>74 % RH; fast increase of >4 % at >40 % RH
Function	measuring and transmitting air humidity levels, switching ON/OFF (2-button operation)
Operating temperature	-20 °C to +60 °C
Dimensions	button: 55 x 55 x 9 mm mounting plate: 71 x 71 x 1.5 mm
Weight	32 g (including battery)
Color	white similar to RAL 9003

### Scope of delivery

- Humidity sensor
- Battery
- Mounting plate
- Mounting material
- Operating manual

### Accessories (optional)

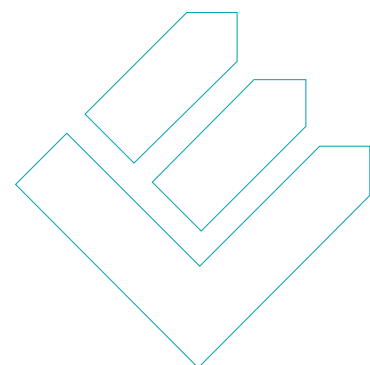
RTS22-ACC-01-01P	Mounting plate, white
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RTS22-ACC-01-01P

### Models

Product numbers	Description	Function
SH01E5002-01-02K	Radio humidity sensor 2-channel, Format 55, 3 V or 12-24 V, white	automatic transmission of switching commands: ON/OFF  manual switching: 1x ON/OFF or 2x PULSE



## ASSISTED LIVING

## RT26 Wristband transmitter

The RT26 wristband transmitter has been specially adapted to the requirements of people in need of care. The large push button makes it easy to operate.

Switching electrical devices on and off with a 1-button operation or activating paging systems are among the standard application areas of this transmitter.

An LED indicates if the battery needs to be changed. If the battery is running low, a separate radio signal is transmitted which can be analyzed by a corresponding Easywave receiver.



RT26E5001-12-23K

### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	1
Range	typically 150 m in good free-field conditions
Power supply	1x 3V battery, CR2032
Operating indicator	LED
Operation	transmission lasts as long as the button is pressed (maximum 36 seconds)
Function	depends on the receiver (see models)
Protection degree	IP65
Operating temperature	-20 °C to +60 °C
Dimensions	38 x 46 x 14 mm
Weight	16 g (including battery, without wristband)
Color	anthracite gray similar to RAL 7016

### Scope of delivery

- Wristband transmitter including battery
- Wrist strap (nickel-free clasp)
- Operating manual

### Accessories (optional)

RT26-ACC-02-23P	Wrist strap (nickel-free clasp)
ACC-TOO-01-23P	Round housing key
ACC-SEA-01-00Px	O-ring seal



RT26-ACC-02-23P



ACC-TOO-01-23P



ACC-SEA-01-00Px

### Models

Product numbers	Description	Function
RT26E5001-12-23K	Wristband transmitter 1-channel, anthracite gray, red button	1x PULSE

## RT27 Necklace transmitter

The RT27 necklace transmitter has been specially adapted to the requirements of people in need of care. The large push button makes it easy to operate.

Switching electrical devices on and off with a 1-button operation or activating paging systems are among the standard application areas of this transmitter.

An LED indicates if the battery needs to be changed. If the battery is running low, a separate radio signal is transmitted which can be analyzed by a corresponding Easywave receiver.



RT27E5001-11-23K

### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	1
Range	typically 150 m in good free-field conditions
Power supply	1x 3V battery, CR2032
Operating indicator	LED
Operation	transmission lasts as long as the button is pressed (maximum 36 seconds)
Function	depends on the receiver (see models)
Protection degree	IP65
Operating temperature	-20 °C to +60 °C
Dimensions	Ø 41 x 13 mm
Weight	16 g (including battery, without necklace)
Color	anthracite gray similar to RAL 7016

### Scope of delivery

- Necklace transmitter including battery
- Necklace (predetermined breaking point)
- Operating manual

### Accessories (optional)

RT27-ACC-05-23P	Necklace (predetermined breaking point)
ACC-TOO-01-23P	Round housing key
ACC-SEA-01-00Px	O-ring seal



RT27-ACC-05-23P



ACC-TOO-01-23P



ACC-SEA-01-00Px

### Models

Product numbers	Description	Function
RT27E5001-11-23K	Necklace transmitter 1-channel, anthracite gray, red button	1x PULSE

## RT28 Push button transmitter

The RT28 push button transmitter is functionally designed with a large control button.

It is most commonly used to switch electrical devices on and off with a 1-button operation or as a bell button in connection with the RCP04 radio bell.

An LED indicates if the battery needs to be changed. If the battery is running low, a separate radio signal is transmitted which can be analyzed by a corresponding Easywave receiver.



RT28E5001-11-41K



RT28E5001-11-23K

### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	1
Range	typically 150 m in good free-field conditions
Power supply	1x 3V battery, CR2032
Operating indicator	LED
Operation	transmission lasts as long as the button is pressed (maximum 36 seconds)
Function	depends on the receiver (see models)
Protection degree	IP65
Operating temperature	-20 °C to +60 °C
Dimensions	Ø 38 x 13 mm
Weight	16 g (including battery)
Color	anthracite gray similar to RAL 7016

### Scope of delivery

- Push button transmitter including battery
- Operating manual

### Accessories (optional)

RT28-ACC-01-23P	Bell button housing, anthracite gray
RT28-ACC-02-23P	Transmitter holder, anthracite gray
ACC-TOO-01-23P	Round housing key
ACC-SEA-01-00Px	O-ring seal



RT28-ACC-01-23P



RT28-ACC-02-23P



ACC-TOO-01-23P



ACC-SEA-01-00Px

### Models

Product numbers	Description	Function
RT28E5001-11-23K	Push button transmitter 1-channel, anthracite gray, gray button	1x PULSE
RT28E5001-11-41K	Push button transmitter 1-channel, anthracite gray, red button	1x PULSE

## RTS05 Radio call sensor wall switch

The RTS05 call button is a capacitive proximity switch (sensor wall switch) for wall mounting inside dry buildings.

A wireless signal is transmitted through proximity or by briefly touching the sensor surface. It can be used in combination with the RCP09 pager, the RCP04 radio bell, and the Easywave phone alarm as a convenient way of calling people.

There is also an option to link it to nursing care systems, e.g. as a call button for nurse call sets.

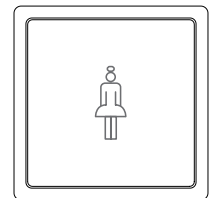


RTS05E5001A03-40K

### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	1
Range	typically 150 m in good free-field conditions
Power supply	2x 3V batteries, CR2032
Operating indicator	LED (not visible when mounted)
Operation	signal transmitted as soon as the button is touched (maximum 1 second)
Function	depends on the receiver (see models)
Operating temperature	-20 °C to +50 °C
Dimensions	80 x 80 x 10 mm
Weight	40 g (including batteries)
Color	Frame: white similar to RAL 9003 Button: red similar to RAL 3020

### Models



RTS05E5001A03-40K  
1x CALL

### Scope of delivery

- Sensor wall switch
- 2 batteries
- Mounting kit
- Operating manual

### Models

Product numbers	Description	Function
RTS05E5001A03-40K	Radio call sensor wall switch, red	CALL

## RTS08 Radio call wall switch

The RTS08 wall switches for the care sector are designed for wall mounting in dry rooms.

The press switch can be mounted onto conventional switch sockets or affixed/screwed directly onto a wall.

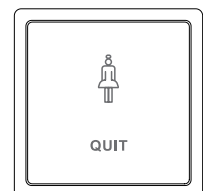
The wall switches are designed for use in the care sector for calling for assistance or for acknowledging a call.



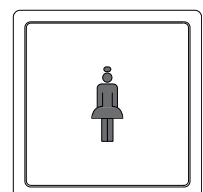
### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	1
Range	typically 150 m in good free-field conditions
Power supply	1x 3V battery, CR2032
Operation	transmission lasts as long as the button is pressed (maximum 36 seconds)
Function	depends on the receiver (see models)
Operating temperature	-20 °C to +60 °C
Dimensions	80 x 80 x 10 mm
Weight	47 g (including battery)
Color	white similar to RAL 9003

### Ausführungen



RTS08E5001A02-02K  
1x QUIT



RTS08E5001A03-02K  
1x CALL

### Scope of delivery

- Wall switch including battery
- Mounting kit
- Operating manual

### Models

Product numbers	Description	Function
RTS08E5001A02-02K	Radio call wall switch 1-channel, white	QUIT
RTS08E5001A03-02K	Radio call wall switch 1-channel, white	CALL



## RTS22 Radio call wall switch Format 55

The RTS22 wall-mounted call switch from the Format 55 series is a battery-operated Easywave transmitter.

The wireless press switch can be integrated into the cover frame with a cut-out size of 55 x 55 mm from various manufacturers (see compatibility list). The transmitter simply clicks into the frame and is ready to go.

The frame can be mounted to the wall using either sticky pads or screws. It can be used in combination with the RCP09 pager, the RCP04 radio bell, and the Easywave phone alarm as a convenient way of calling people.

There is also an option to link it to nursing care systems, e.g. as a call button for nurse call sets

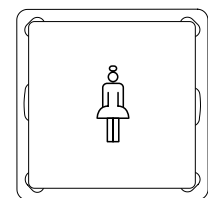


RTS22E5001A04-40K

### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	1
Range	typically 150 m in good free-field conditions
Power supply	1x 3V battery, CR2032
Operation	transmission lasts as long as the button is pressed (maximum 36 seconds)
Function	depends on the receiver (see models)
Operating temperature	-20 °C to +60 °C
Dimensions	button: 55 x 55 x 9 mm mounting plate: 71 x 71 x 1.5 mm
Weight	34 g (including battery)
Color	red similar to RAL 3020

### Models



RTS22E5001A04-40K  
CALL

### Scope of delivery

- Transmitter module including battery
- Mounting plate and button
- Mounting kit
- Operating manual

### Accessories (optional)

RTS22-ACC-01-01P	Mounting plate, white
------------------	-----------------------



RTS22-ACC-01-01P

### Models

Product numbers	Description	Function
RTS22E5001A04-40K	Radio wall switch 1-channel, Format 55, red	CALL

## RTS17 Built-in transmitter

The RTS17 built-in transmitter can be connected to a live power source of between 5 V and 24 V AC or 6 V and 32 V DC.

As soon as the transmitter is supplied with power, it transmits a telegram with the transmission code A for a maximum of 10 seconds.

Usually this built-in transmitter is used to forward ringing signals from a standard bell system to the RCP04 radio bell.

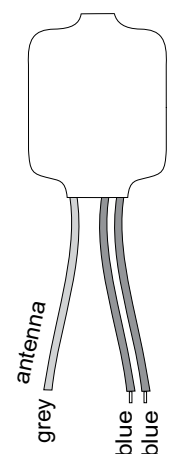


RTS17E5001-01-00P

### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	1
Range	typically 150 m in good free-field conditions
Power supply	5 V - 24 V AC, 6 V - 32 V DC
Power consumption	0.40 W at 24 V AC, 0.38 W at 32 V DC
Operation	via the connected power source
Function	depends on the receiver (see models)
Operating temperature	-20 °C to +60 °C
Dimensions	30 x 16 x 7 mm (without connecting wires)
Weight	5 g

### Wiring diagram



### Scope of delivery

- Built-in transmitter
- Operating manual

### Models

Product numbers	Description	Function
RTS17E5001-01-00P	Built-in transmitter 1-channel	1x PULSE

## RTS41 Surface-mounted transmitter for telephone call forwarding

The RTS41 stationary transmitter is used to forward an analogue telephone call signal to an external Easywave receiver, such as RCP04, RCP09 or RCJ01.

When a call is received, the RTS41 transmits a radio signal to an Easywave receiver and switches the receiver according to the selected operating mode.

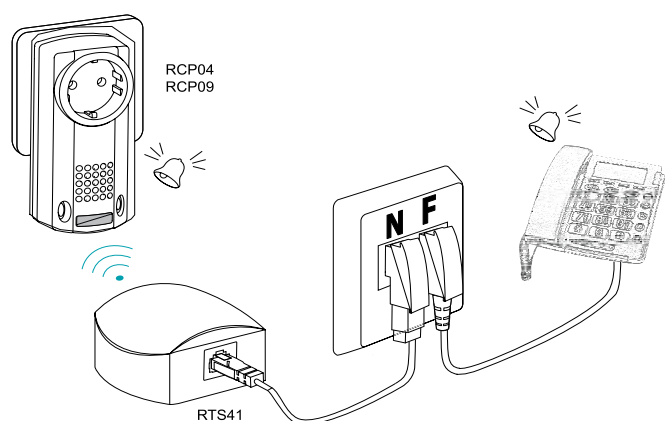


RTS41E5001-01-01K

### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	1
Range	typically 150 m in good free-field conditions
Power supply	via the ringing voltage of a telephone line
Operation	by telephone call
Function	forwarding an analogue telephone call signal
Operating temperature	-20 °C to +60 °C
Dimensions	70 x 64 x 35 mm
Weight	32 g
Color	white similar to RAL 9003

### Wiring diagram



### Scope of delivery

- Surface-mounted transmitter
- RJ11/RJ11 connection cable (length 54 cm)
- TAE-N/RJ11 adapter
- Mounting material
- Operating manual

### Models

Product numbers	Description	Function
RTS41E5001-01-01K	Surface-mounted transmitter for telephone call forwarding 1-channel	telephone call forwarding

## RCL07 Low-voltage call receiver

The RCL07 call receiver has two channels. One channel is used for the operating modes and the switching functions. The second channel is activated when it receives an undervoltage telegram.

An LED lights up when the RCL07 receives a telegram from a call transmitter and the receiver switches according to the selected operating mode.

If the acknowledgment function is activated, receipt of an incoming call can be acknowledged using a programmed acknowledgment transmitter or directly on the RCL07.

In the maintenance function, the call function is blocked for 15 minutes.

The RCL07 is also able to analyze undervoltage telegrams signaling that the batteries in compatible radio transmitters are too low.

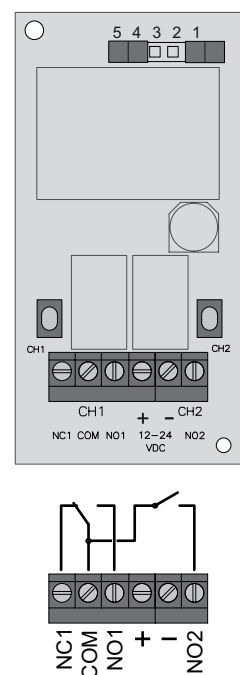


RCL07E5002-11-02K

### Technical specifications

Coding	Easywave Up to 32 call transmitters, 8 acknowledgment transmitters and 8 switch transmitters can be programmed.
Frequency	868.30 MHz
Channels	2
Power supply	12-24 V DC
Power consumption	0.3 W standby at 24 V DC
Operating modes	PULSE (1 second) ON/OFF (2-button operation)
Functions	call function acknowledgment function maintenance function battery undervoltage analysis
Outputs	2 potential-free relay contacts 1x changeover contact: call 1x normally open contact: battery undervoltage
Maximum contact load	DC: 30 V / 1 A / 30 W
Protection degree	IP54
Operating temperature	-20 °C to +60 °C
Dimensions	35 x 80 x 20 mm
Color	white similar to RAL 9003

### Wiring diagram



### Scope of delivery

- Call receiver
- Operating manual

### Models

Product numbers	Description
RCL07E5002-11-02K	Low-voltage call receiver 2-channel, white Battery undervoltage analysis/call indicator

## RCP04 Plug-in socket radio bell

The RCP04 plug-in radio bell socket emits a visual and acoustic signal. When the signal of a programmed Easywave radio transmitter is detected, the set ringtone sounds.

Three tunes combined with an integrated flashing light are available to choose from. The ringtone duration can be set to between seven seconds and one minute.

In total, 32 transmitters can be programmed, each with its own selected combination of ringtone, ringtone duration and flashing light.

**Energy efficient:** The RCP04 consumes only 0.3 W in standby mode.

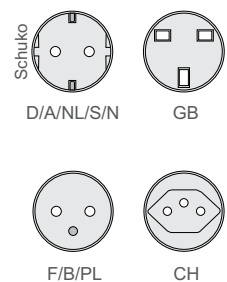


RCP04E5001-11-01K

### Technical specifications

Coding	Easywave Up to 32 transmitters can be programmed.
Frequency	868.30 MHz
Channels	1
Power supply	230 V AC, 50 Hz
Power consumption	0.3 W standby
Volume	at a distance of 30 cm: 75 dB (low), 82 dB (high)
Outputs	power outlet: country-specific plug system
Maximum contact load	mains voltage (not switchable):
D/A/NL/S/N und CH	10 A / 230 V AC
GB	13 A / 230 V AC
F/B/PL	16 A / 230 V AC
Operating temperature	-20 °C to +35 °C
Dimensions	50 x 120 x 75 mm
Color	white similar to RAL 9003

### Plug system



### Scope of delivery

- Plug-in socket radio bell
- Operating manual

### Models

Product numbers	Description	Plug system
RCP04E5001-11-01K	Plug-in socket radio bell 1-channel, white	D/A/NL/S/N
RCP04E5001-12-01K	Plug-in socket radio bell 1-channel, white	GB
RCP04E5001-14-01K	Plug-in socket radio bell 1-channel, white	F/B/PL
RCP04E5001-15-01K	Plug-in socket radio bell 1-channel, white	CH

## RCP09 Plug-in socket pager

The RCP09 plug-in socket pager emits a visual and acoustic signal.

When the signal of an Easywave radio transmitter is detected, the set ringtone sounds. The ringtone continues to repeat cyclically until receipt of the signal is acknowledged by a transmitter or directly on the pager itself.

The RCP09 is also able to analyze undervoltage telegrams signaling that the batteries in compatible radio transmitters are too low.

**Energy efficient:** The RCP09 consumes only 0.3 W in standby mode.

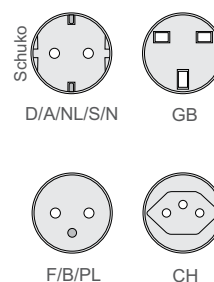


RCP09E5001-11-01K

### Technical specifications

Coding	Easywave 32 call codes and 32 acknowledgment codes can be programmed.
Frequency	868.30 MHz
Channels	1
Power supply	230 V AC, 50 Hz
Power consumption	0.3 W standby
Volume	at a distance of 30 cm: 75 dB (low), 82 dB (high)
Outputs	power outlet: country-specific plug system
Maximum contact load	mains voltage (not switchable):
D/A/NL/S/N und CH	10 A / 230 V AC
GB	13 A / 230 V AC
F/B/PL	16 A / 230 V AC
Operating temperature	-20 °C to +35 °C
Dimensions	50 x 120 x 75 mm
Color	white similar to RAL 9003

### Plug system



### Scope of delivery

- Plug-in socket pager
- Operating manual

### Models

Product numbers	Description	Plug system
RCP09E5001-11-01K	Plug-in socket pager 1-channel, white	D/A/NL/S/N
RCP09E5001-12-01K	Plug-in socket pager 1-channel, white	GB
RCP09E5001-14-01K	Plug-in socket pager 1-channel, white	F/B/PL
RCP09E5001-15-01K	Plug-in socket pager 1-channel, white	CH

## RS26 Easywave "Fon Alarm" set including wristband transmitter

With an Easywave transmitter, you can transmit a signal to the "Easywave Fon Alarm" telephone at the touch of a button. The telephone then dials three pre-programmed telephone numbers one after the other. If the recipient confirms the call by pressing the "0" button, a conversation can be carried out for three minutes using the integrated hands-free equipment. The telephone provides persons in need of care with an ideal means of calling for help in "emergency situations".

Along with the obligatory wristband or necklace transmitters, wall transmitters or fall mats, for example, can also be used. A total of eight transmission codes can be programmed into the telephone.



RS26E5001-22-00K

### Technical specifications

Coding	Easywave 8 transmitters can be programmed.
Frequency	868.30 MHz
Channels	1
Power supply	9 V DC (AC adapter included)
Connection	F/RJ11 analog telephone plug
Dimensions	175 x 205 x 80 mm
Color	silver

### Telephone details

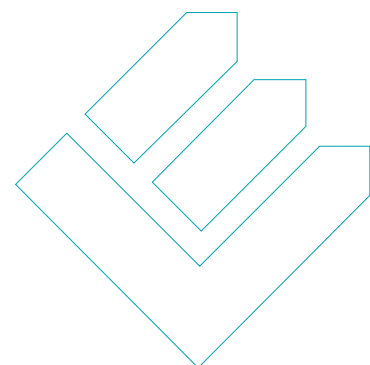
Telephone with large buttons, backlit display and clock
Selectable menu language (German, English, French, Italian)
Visual call indicator ("telephone ringing" LED)
Adjustable handset volume, tone control is possible
Compatible with hearing aids
Adjustable ringtone volume
30 phone book entries are possible
Voice output when button is pressed
Hands-free function
Caller number (CLIP) and call history (64 calls) display

### Scope of delivery

- "Fon Alarm" telephone
- AC adapter, wall holder
- RJ11/RJ11 telephone cable
- F/RJ11 telephone plug
- 4 AA 1.5 V batteries
- RT26 wristband transmitter including battery
- Operating manual

### Models

Product numbers	Description
RS26E5001-22-00K	Easywave "Fon Alarm" telephone set including RT26 wristband





## HEATING CONTROL

## ST01 Radio temperature sensor for heating Format 55

The ST01 temperature sensor is a battery-powered radio thermostat for regulating room temperatures ranging from 14 °C - 25 °C. The sensor can be integrated into cover frames with a cut-out dimension of 55 x 55 mm produced by various manufacturers (see compatibility list on p.29).

The current room temperature is measured cyclically and compared with the adjustable set point. If there are deviations, the appropriate switching command is transmitted to the receiver.

In addition to the daytime operating mode, a nighttime temperature reduction function is available with an adjustable set-point temperature and a frost protection function at 5 °C.

The sensor works either with ON/OFF commands or with an extended control system via pulse-width modulation (PWM).



ST01E5001-01-02K

### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	1
Range	typically 150 m in good free-field conditions
Power supply	2x 3V batteries, CR2032
Control modes	ON/OFF PWM *)
Function	measuring and transmitting temperature data daytime operating mode nighttime temperature reduction frost protection OFF
Control range	+14 °C to +25 °C
Operating temperature	-20 °C to +40 °C
Dimensions	cover: 55 x 55 x 16 mm mounting plate: 71 x 71 x 1.5 mm
Weight	36 g (including batteries)
Color	white similar to RAL 9003

\*) PWM can only be used with RCP15 and RCJ15

### Scope of delivery

- Temperature sensor
- 2 batteries
- Mounting plate
- Mounting kit
- Operating manual

### Accessories (optional)

RTS22-ACC-01-01P	Mounting plate, white
------------------	-----------------------



RTS22-ACC-01-01P

### Models

Product numbers	Description	Function
ST01E5001-01-02K	Radio temperature sensor for heating 1-channel, Format 55, white	ON/OFF, PWM

## ST02 Radio temperature sensor for cooling Format 55

The ST02 is a battery-powered radio thermostat for regulating temperature in conservatories.

If deviations from the desired set-point temperature are detected, the appropriate switching signals are transmitted to the radio receiver via Easywave radio telegram. The receiver then switches connected fans, air conditioning units or shading systems in conservatories for example.

The sensor can be integrated into cover frames with a cut-out dimension of 55 x 55 mm produced by various manufacturers (see compatibility list on p.29).



ST02E5001-01-02K

### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	1
Range	typically 150 m in good free-field conditions
Power supply	2x 3V batteries, CR2032
Function	measuring and transmitting temperature data ON/OFF
Control range	+14 °C to +25 °C
Operating temperature	-20 °C to +40 °C
Dimensions	cover: 55 x 55 x 16 mm mounting plate: 71 x 71 x 1.5 mm
Weight	36 g (including batteries)
Color	white similar to RAL 9003

### Scope of delivery

- Temperature sensor
- 2 batteries
- Mounting plate
- Mounting kit
- Operating manual

### Accessories (optional)

RTS22-ACC-01-01P	Mounting plate, white
------------------	-----------------------



RTS22-ACC-01-01P

### Models

Product numbers	Description	Function
ST02E5001-01-02K	Radio temperature sensor for cooling 1-channel, Format 55, white	ON/OFF

## RCJ15 Flush-mounted receiver for heating control

The RCJ15 flush-mounted receiver for heating control regulates a connected heating unit based on the switching signals received from the Easywave temperature sensor ST01.

In doing so, the RCJ15 determines by itself whether adjustment is needed either via the ON/OFF mode or via pulse-width modulation (PWM).

In addition, up to 16 window contacts \*) can be programmed into the receiver in order to stop the heating automatically when a window is opened.

If the radio connection to the thermostat is interrupted, the RCJ15 goes into emergency mode after 10 hours, thus preventing the room from cooling down.



RCJ15E5001-01-23K

### Technical specifications

Coding	Easywave 1x ST01 and maximum 16x RTS16 or RTS26 *) can be programmed.
Frequency	868.30 MHz
Channels	1
Power supply	230 V AC, 50 Hz
Power consumption	0.2 W standby 0.7 W relay switched (without load)
Operating modes	temperature control PWM ON/OFF
Outputs	1 relay contact (normally open)
Maximum contact load	
- ohmic load $\cos\varphi = 1.0$	10.0 A / 2,300 VA
Operating temperature	-20 °C to +60 °C
Dimensions	48 x 48 x 25 mm

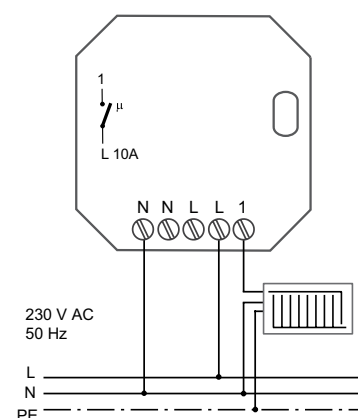
\*) The following window contacts are compatible:

RTS16E5001B02	OFF/ON
RTS16E5001-02	STATUS, OFF/ON
RTS16E5001A02	STATUS, OFF/ON
RTS26E5001B03	OFF/ON
RTS26E5001A03	STATUS, OFF/ON

### Scope of delivery

- Flush-mounted receiver
- Operating manual

### Wiring diagram



### Models

Product numbers	Description
RCJ15E5001-01-23K	Flush-mounted receiver 1-channel, heating control

## RCP15 Plug-in socket receiver for heating control

The RCP15 plug-in socket receiver for heating control regulates a connected heating unit based on the switching signals received from the Easywave temperature sensor ST01.

In doing so, the RCP15 determines by itself whether adjustment is needed either via the ON/OFF mode or via pulse-width modulation (PWM).

In addition, up to 16 window contacts \*) can be programmed into the receiver in order to stop the heating automatically when a window is opened.

If the radio connection to the thermostat is interrupted, the RCP15 goes into emergency mode after 10 hours, thus preventing the room from cooling down.



RCP15E5001-01-01K

### Technical specifications

Coding	Easywave 1x ST01 and maximum 16x RTS16 or RTS26 *) can be programmed.
Frequency	868.30 MHz
Channels	1
Power supply	230 V AC, 50 Hz
Power consumption	0.2 W standby 0.7 W relay switched (without load)
Operating modes	temperature control PWM ON/OFF
Outputs	1 relay contact (normally open)
Maximum contact load	10 A / 230 V AC
Operating temperature	-10 °C to +35 °C
Dimensions	50 x 120 x 75 mm
Color	white similar to RAL 9003

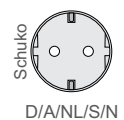
\*) The following window contacts are compatible:

RTS16E5001B02	OFF/ON
RTS16E5001-02	STATUS, OFF/ON
RTS16E5001A02	STATUS, OFF/ON
RTS26E5001B03	OFF/ON
RTS26E5001A03	STATUS, OFF/ON

### Scope of delivery

- Plug-in socket receiver
- Operating manual

### Plug system



### Models

Product numbers	Description	Plug system
RCP15E5001-01-01K	Plug-in socket receiver for heating control 1-channel, white	D/A/NL/S/N

## RCH01 Radio control for heating circuits

The RCH01 is a wireless controller for underfloor heating circuit manifolds.

The controller has five electronic outputs for regulating the temperature of five control zones. A maximum of 18 thermo-electrical actuators and one circulation pump can be connected.

A wireless temperature sensor ST01 can be paired with each output. If the temperature sensor detects deviations from a set temperature, a sensor telegram is transmitted and the relevant RCH01 output is activated.



RCH01E5005-01-29K

### Technical specifications

Coding	Easywave For each output one ST01 in I/O mode can be learned.
Frequency	868.30 MHz
Channels	5
Power supply	230 V AC, 50 Hz
Power consumption	max. 0.5 W
Operating mode	Heating circuit control
Outputs	5 electronic switching outputs 1 relay contacts (pump)
Maximum contact load	
Valve actuators	transistor control (Only ohmic load permitted!) Outputs 1 - 4: max. 4 valve actuators Output 5: max. 2 valve actuators max. 20 W total load per output
Pump	
- ohmic load $\cos\phi = 1.0$	5.0 A / 1,150 VA
- inductive load $\cos\phi = 0.8$	4.0 A / 920 VA
Degree of protection	IP55 (when delivered)
Operating temperature	0 °C to +60 °C
Dimensions	180 x 94 x 57 mm

### Scope of delivery

- Radio control
- Mounting material
- Operating manual

### Accessories (optional)

ACC-ANT50-03-21P 868.30 MHz external antenna  
cable length 5 m



ACC-ANT50-03-21P

### Models

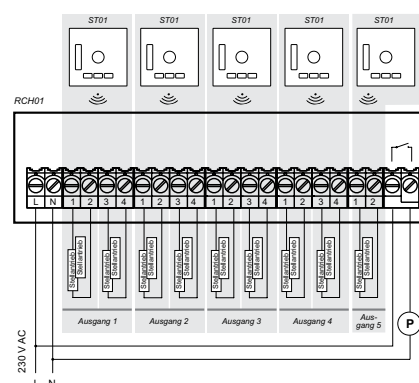
#### Product numbers

RCH01E5005-01-29K

#### Description

Radio control for heating circuits 230V for 5 thermostats and one circulation pump

### Wiring diagram



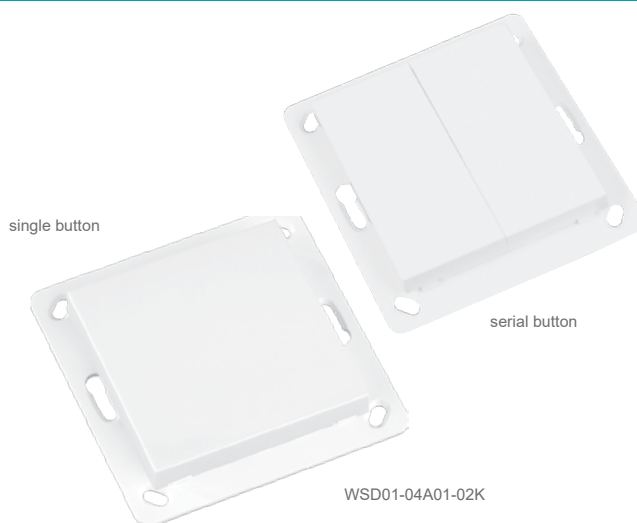
## INTERFACES

## WSD01 DALI wall switch Format 55

The WSD01 DALI wall switch allows up to four DALI functions to be activated via the DALI bus.

A maximum of 4 DALI devices or DALI groups can be addressed here by using one-button modes. The number is reduced to two addresses or groups if two-button modes are used.

The set-up cable and programming adapter are required for configuration. The button is factory-configured for use with two rocker switches. Both rocker switches activate the "DIM 2-button operation" function. The left rocker activates all devices found in the bus (Broadcast) and the right rocker controls the DALI device with address 0.



WSD01-04A01-02K

### Technical specifications

Channels	max. 4
Power supply	DALI bus voltage 11,5 to 20,5 V DC
Operating modes	DIM (1- and 2-button operation) ON/OFF (1- and 2-button operation) DEAD MAN (1-button operation) open SCENE SKIP through scenes fixed dimming value
Power consumption	17 mA
Operating temperature	-20 °C to +60 °C
Dimensions	button: 55 x 55 x 9 mm or buttons: 27 x 55 x 9 mm mounting plate: 71 x 71 x 1.5 mm For cover frames with a cut-out dimension of 55 x 55 mm produced by various manufacturers (see compatibility list on p.29).
Weight	30 g
Color	white similar to RAL 9003

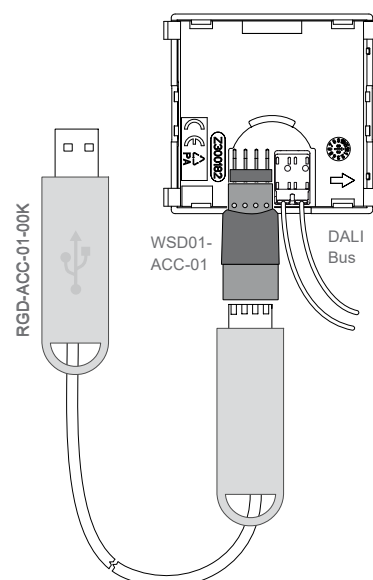
### Scope of delivery

- DALI module
- Mounting plate
- 3 buttons
- Mounting kit
- Operating manual

### Accessories (optional)

RGD-ACC-01-00K	startup cable, lenght 3 m, incl. programming adapter WSD01-ACC-01 and Software-CD
WSD01-ACC-01-EP	programming adapter for RGD-ACC-01-00K
RTS22-ACC-01-01P	Mounting plate, white
RTS22-ACC-02-02P	1x single button ON/OFF, wh
RTS22-ACC-02-24P	1x single button ON/OFF, ac
RTS22-ACC-02-25P	1x single button ON/OFF, alu
RTS23-ACC-01-02P2	2x serial button ON/OFF, wh
RTS23-ACC-01-24P2	2x serial button ON/OFF, ac
RTS23-ACC-01-25P2	2x serial button ON/OFF, alu

### Wiring diagram



WSD01 configurator

### Models

#### Product numbers

WSD01-04A01-02K

#### Description

Wall switch DALI Format 55 4-channel, white



## RGD01 DALI gateway

The RGD01 Easywave DALI gateway enables control of one (2-button operation) to two (1-button operation) DALI devices. All programmed Easywave transmitters trigger the same function. The transmitter buttons are automatically assigned to functions.

In the delivery state, the operating mode "DIMMING 2-button operation" is pre-configured to broadcast to all DALI devices and can be used without further configuration.

If other operating modes are used or if devices with different gateway addresses are involved, then the configuration must be adapted with the help of the start-up cable, which is available separately, and the software "RGD01\_Configurator" on a Windows PC.



RGD01E5002-01-23K

### Technical specifications

Coding	Easywave Up to 32 transmitters can be programmed.
Frequency	868.30 MHz
Channels	1 (2 in 1-button mode)
Range	typically 150 m in good free-field conditions
Power supply	DALI bus voltage 11.5 to 20.5 V DC
Operating modes	ON/OFF (1-button operation) ON/OFF (2-button operation) DIMMING (1-button operation) DIMMING (2-button operation) DEADMAN (1-button operation) go to scene jump through scenes
Power consumption	21 mA
Operating temperature	-20 °C to +60 °C
Dimensions	46 x 46 x 25 mm



RGD01 configurator

### Scope of delivery

- DALI gateway
- Operating manual

### Accessories (optional)

RGD-ACC-01-00K	Start-up cable, length 3 m and software CD
----------------	--

### Models

Product numbers	Description
RGD01E5002-01-23K	DALI gateway 2-channel

## RGD02 DALI gateway

The RGD02 Easywave DALI gateway enables control of up to 8 different DALI devices from a total of 32 Easywave transmitters. Each DALI device can be assigned its own function.

The programmed transmitters can be individually named and assigned to the previously defined functions / addressing modes. This information is stored directly on the device and is available if changes are made at a later stage.

To configure the RGD02, the start-up cable, which is available separately, a Windows PC / laptop as well as the "RGD02\_Configurator" software are required.



RGD02E5008-01-23K

### Technical specifications

Coding	Easywave Up to 32 transmitters can be programmed.
Frequency	868.30 MHz
Channels	8
Range	typically 150 m in good free-field conditions
Power supply	DALI bus voltage 11.5 to 20.5 V DC
Operating modes	ON/OFF (1-button operation) ON/OFF (2-button operation) DIMMING (1-button operation) DIMMING (2-button operation) DEADMAN (1-button operation) go to scene jump through scenes fixed dimming value
Power consumption	21 mA
Operating temperature	-20 °C to +60 °C
Dimensions	46 x 46 x 25 mm

### Scope of delivery

- DALI gateway
- Operating manual

### Accessories (optional)

RGD-ACC-01-00K	Start-up cable, length 3 m and software CD
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### Models

Product numbers	Description
RGD02E5008-01-23K	DALI gateway 8-channel

## RX03 Flush-mounted repeater

The RX03 flush-mounted repeater receives all radio telegrams from Easywave transmitters and retransmits them after a delay of approx. 0.3 seconds. As a result, the maximum range of a radio transmitter can be almost doubled.

Alternatively, it is possible to program up to 16 telegrams into the repeater. Only telegrams that have been programmed in can then simply be retransmitted.

The flush-mounted repeater fits into standard flush-mounted boxes and can be powered either with 12-24 V DC or 230 V AC.

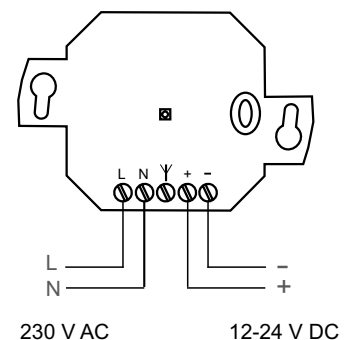


RX03E5001-01-23K

### Technical specifications

Coding	Easywave Up to 16 transmitters can be programmed.
Frequency	868.30 MHz
Range	typically 150 m in good free-field conditions
Power supply	12-24 V DC or 230 V AC
Power consumption	1.0 W at 230 V AC, 0.16 W at 12 V DC, 0.32 W at 24 V DC
Transmission delay	300 ms
Operating temperature	-20 °C to +60 °C
Dimensions	46 x 46 x 25 mm

### Wiring diagram



### Scope of delivery

- Flush-mounted repeater
- Operating manual

### Models

Product numbers	Description
RX03E5001-01-23K	Flush-mounted repeater 1-channel, 12-24 V or 230 V

## RXP03 Plug-in socket repeater

The RXP03 plug-in socket repeater receives all radio telegrams from Easywave transmitters and retransmits them after a delay of approx. 0.3 seconds. As a result, the maximum range of a radio transmitter can be almost doubled.

Alternatively, it is possible to program up to 16 telegrams into the repeater. Only telegrams that have been programmed in can then simply be retransmitted.

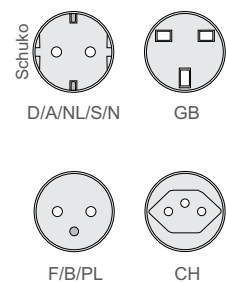


RXP03E5001-01-01K

### Technical specifications

Coding	Easywave Up to 16 transmitters can be programmed.
Frequency	868.30 MHz
Transmission delay	300 ms
Range	typically 150 m in good free-field conditions
Power supply	230 V AC, 50 Hz
Power consumption	0.7 W standby
Outputs	power outlet: country-specific plug system
Maximum contact load	mains voltage (not switchable): 10 A / 230 V AC
Operating temperature	-20 °C to +35 °C
Dimensions	50 x 120 x 75 mm
Color	white similar to RAL 9003

### Plug system



### Scope of delivery

- Plug-in socket repeater
- Operating manual

### Models

Product numbers	Description	Plug system
RXP03E5001-01-01K	Plug-in socket repeater 1-channel, white	D/A/NL/S/N
RXP03E5001-02-01K	Plug-in socket repeater 1-channel, white	GB
RXP03E5001-04-01K	Plug-in socket repeater 1-channel, white	F/B/PL
RXP03E5001-05-01K	Plug-in socket repeater 1-channel, white	CH

## RGK02 KNX gateway

The RGK02 KNX gateway bidirectionally connects the KNX system to the Easywave radio system.

The gateway contains 128 storage spaces for storing Easywave transmission codes. When a transmission code is received, the KNX actuators assigned to the relevant input channel are activated.

Moreover, up to 32 Easywave identification codes can be transmitted via the relevant KNX objects. The transmitted identification codes trigger the associated Easywave actuators.



RGK02E5023-01-23K

### Technical specifications

Coding	Easywave Up to 128 transmitters can be programmed.
Frequency	868.30 MHz
Channels	128 input channels / output channels 32
Range	typically 150 m in good free-field conditions
Power supply	EIB/KNX bus voltage 29 V DC
Operating modes	<b>receive Easywave:</b> toggle, switch, dim, control blinds, transmit value, send signal <b>send Easywave:</b> PULSE( 1-button operation) ON/OFF (2-button operation) UP/STOP/DOWN (3-button operation) DEADMAN 335 group objects can be generated in total.
Power consumption	35 mA
Operating temperature	-20 °C to +60 °C
Dimensions	46 x 46 x 25 mm

### Scope of delivery

- KNX gateway
- Operating manual

### Models

Product numbers	Description
RGK02E5023-01-23K	KNX gateway

## RX09 USB stick

The Easywave RX09 USB stick is a bidirectional radio module (transceiver). With an application-specific operating and monitoring software, switching and control tasks can be carried out using a PC. The software is not included in the scope of delivery and must be set up by the user.

Depending on the application, the USB stick can receive signals from any number of Easywave transmitters. The RX09 is encoded with 64 or 128 transmission codes through which the various Easywave receivers can be controlled. The RX09 is therefore ideal for controlling and monitoring building technology.



RX09E50xx-02-01K

### Technical specifications

System requirements	Windows Vista / XP / 7 / 8 / 10 USB interface (compatible with 1.1 and above)
Coding	factory coding with 64 / 128 Easywave telegrams
Frequency	868.30 MHz
Channels	64 / 128
Range	typically 150 m in good free-field conditions
Power supply	via the USB port
Operation	via application-specific software
Function	depends on the specific application
Operating temperature	0 °C to +40 °C
Dimensions	24 x 75 x 8 mm
Weight	13 g
Color	white similar to RAL 9003

### Scope of delivery

- USB stick
- Operating manual

### Models

Product numbers	Description
RX09E5026-02-01K	USB stick 64-channel, white
RX09E5031-02-01K	USB stick 128-channel, white

## APT02 Control Center set

The Easywave Control Center set (CCset) includes the server (CCserv) and the RX09 USB stick.

With the Easywave CCset and the Easywave Control Center App (CCapp) for

- iOS version 8 and above,
- Android version 4.4 and above,
- Windows Phone 8.1 and 10,
- Windows PC 8.1 and 10,

Easywave products can be comfortably and conveniently controlled and visualized using a smartphone or tablet.

This can be done locally in the server WLAN network or, if the server is linked up to a home network, in the home network itself. If the chargeable remote function is enabled, control and visualization is also possible via a remote network connection.



APT02CCset-01-02K



### Technical specifications APT02 CCserv

Power consumption	5.0 W on average
Interfaces	<ul style="list-style-type: none"> <li>• WLAN 802.11 b/g/n</li> <li>• LAN connection (up to 1000 MBit/s)</li> <li>• 2x USB 2.0 ports</li> </ul>
Power supply	100-240 V AC, 50-60 Hz, maximum 20 W
Dimensions	95 x 65 x 48.5 mm
Color	white similar to RAL 9003

### Technical specifications RX09

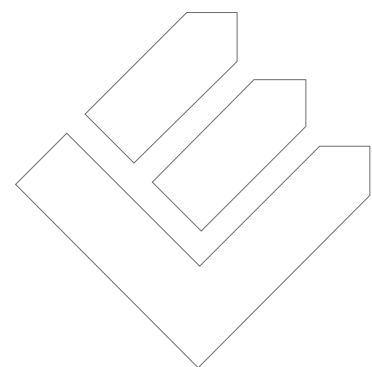
Coding	factory coding with 64 Easywave telegrams
Radio inputs	unlimited
Radio outputs	64
Frequency	868.30 MHz
Range	typically 150 m in good free-field conditions
Power supply	via USB port
Dimensions	24 x 75 x 8 mm
Color	white similar to RAL 9003

### Scope of delivery

- APT02 CCserv
- RX09 USB stick
- Ethernet cable (CAT 5)
- Plug for 230V Schuko socket

### Models

Product numbers	Description
APT02CCset-01-02K	Control Center set includes the APT02 CCserv server and the RX09 Radio USB stick





ELDAT-RADIO SYSTEM

*secwave*

ACCESS CONTROL

## General Information

### The secwave wireless system

With the secwave products, ELDAT has the more stringent security requirements of access control applications covered.

The secwave wireless system uses 128-bit encryption based on the AES standard (Advanced Encryption Standard).

AES 128-bit encryption one of the most frequently used encryption standards, by banks for example.

The encryption and telegram structure mean that secwave products are incompatible with Easywave products.

### Range

The range of a transmission path depends on many factors. For this reason, caution must be taken when making claims about range. A relatively reliable indicator of range is the range in free-field conditions. Secwave products aim to achieve a range of at least 150 m in optimal free-field conditions.

Factors which may influence the range include the mounting site, the mounting surface, objects in the transmission path, the power of the transmitter and the sensitivity of the receiver.

As an example, the following estimates indicate to what extent objects in the transmission path can cause attenuation:

Material	Attenuation
Air/free field	0 %
Wood/plaster	5-20 %
Brick/concrete	10-40 %
Reinforced concrete	50-90 %
Metal walls/metal grating	90-100 %



## RT42 Hand transmitter

The RT42 hand transmitter is a wireless transmitter which transmits the secwave code at the push of a button, and activates the secwave wireless receiver according to the selected mode.

The transmitter has a battery control function which checks the battery capacity. If the battery capacity is low, the LED flashes after the transmitter button is released.



RT42X5004A01-21K

### Technical specifications

Coding	factory coding with secwave telegram, AES 128-bit encryption Not compatible with Easywave products!
Frequency	868.30 MHz
Channels	4
Range	typically 150 m in good free-field conditions
Power supply	1x 3V battery, CR2032
Operating indicator	LED
Operation	transmission lasts as long as the button is pressed (maximum 36 seconds)
Function	depends on the receiver (see models)
Operating temperature	-20 °C to +60 °C
Dimensions	37 x 61.5 x 10.7 mm
Weight	30 g (including battery)
Color	black similar to RAL 9005

### Scope of delivery

- Hand transmitter including battery
- Operating manual

### Models

Product numbers	Description	Function
RT42X5004A01-21K	Hand transmitter secwave 868 MHz 4-channel black with metal bracket	4x PULSE

## RTC06 Wireless keypad

The RTC06 wireless keypad allows remote-controlled access by entering a 4-digit user pin. 3 pins can be created in total. Each pin can activate a separate receiver.

In addition, a temporary PIN can be generated for a user pin to allow temporary access for specific visitors or service providers.

The temporary pin can be used three times. An Easywave wireless receiver can be activated by the light button without entering a user pin.

The RTC06 has a battery control function which checks the batteries' capacity.



RTC06X5004A01-25K

### Technical specifications

Coding	factory coding with secwave telegram, AES 128-bit encryption Not compatible with Easywave products! Light button: Easywave code A, 1-button operation
Frequency	868.30 MHz
Channels	4
Range	typically 150 m in good free-field conditions
Power supply	2x batteries 1,5 V AAA
Operating indicator	LED
Operation	transmitter transmits, after PIN input, as long as the ENTER button is pressed (max. 36 seconds)
Function	depends on the receiver (see models)
Degree of protection	IP54
Operating temperature	-20 °C to +60 °C
Dimensions	80 x 100 x 31 mm
Weight	130 g (including batteries)
Color	white aluminum similar to RAL 9006

### Scope of delivery

- Wireless keypad
- Batteries
- Wall holder
- Mounting kit
- Operating manual

### Models

Product numbers	Description	Function
RTC06X5004A01-25K	Wireless keypad secwave 868 MHz aluminium finish without sliding lid	4x PULSE and 1x Easywave A

## RTC07 Wireless keypad

The RTC07 wireless keypad allows remote-controlled access by entering a 4-digit user pin.

3 pins can be created in total. Each pin can activate a separate receiver.

In addition, a temporary PIN can be generated for a user pin to allow temporary access for specific visitors or service providers. The temporary pin can be used three times.

An Easywave wireless receiver can be activated by the light button without entering a user pin.

The RTC07 has a battery control function which checks the batteries' capacity.



RTC07X5004A01-25K

### Technical specifications

Coding	factory coding with secwave telegram, AES 128-bit encryption Not compatible with Easywave products! Light button: Easywave code A, 1-button operation
Frequency	868.30 MHz
Channels	4
Range	typically 150 m in good free-field conditions
Power supply	2x batteries 1,5 V AAA
Operating indicator	LED
Operation	transmitter transmits, after PIN input, as long as the ENTER button is pressed (max. 36 seconds)
Function	depends on the receiver (see models)
Degree of protection	IP54
Operating temperature	-20 °C to +60 °C
Dimensions	80 x 115 x 33 mm
Weight	170 g (including batteries)
Color	white aluminum similar to RAL 9006

### Scope of delivery

- Wireless keypad
- Batteries
- Wall holder
- Mounting kit
- Operating manual

### Models

Product numbers	Description	Function
RTC07X5004A01-25K	Wireless keypad secwave 868 MHz aluminium finish with sliding lid	4x PULSE and 1x Easywave A

## RTI01 Radio fingerprint sensor

The RTI01 fingerprint sensor allows wireless-based control of secwave receivers using fingerprints.

Two transmission channels are available. A separate secwave receiver can be activated via any channel. In total, prints from 32 fingers can be memorised. Any number of finger prints can be allocated to each transmission channel.

Prints from 2 master fingers must be stored for RTI01 programming. Prints from the user's fingers are stored or deleted with the programmed master fingers, and the RTI01 is paired with the receiver. The master finger prints cannot be used as user fingers.



RTI01X5002A02-25K

### Technical specifications

Coding	factory coding with secwave telegram, AES 128-bit encryption Not compatible with Easywave products!
Frequency	868.30 MHz
Channels	2
Range	typically 150 m in good free-field conditions
Power supply	4x batteries 1,5 V AAA
Operating indicator	LED
Operation	transmitter sends by finger pressure
Function	depends on the receiver (see models)
Degree of protection	IP54
Operating temperature	-20 °C to +60 °C
Dimensions	80 x 115 x 33 mm
Weight	170 g (including batteries)
Color	white aluminum similar to RAL 9006

### Scope of delivery

- Fingerprint sensor
- Batteries
- Wall holder
- Mounting kit
- Operating manual

### Models

Product numbers	Description	Function
RTI01X5002A02-25K	Radio fingerprint sensor secwave 868 MHz 2-channel, aluminium finish	2x PULSE

## RCL08 Mini-receiver

The wireless controller RCL08 has two potential-free relay contacts which can be activated by ELDAT secwave transmitters.

The RCL08 is operated at 12-24 V AC/DC, and up to 100 secwave transmitters per channel can be paired.

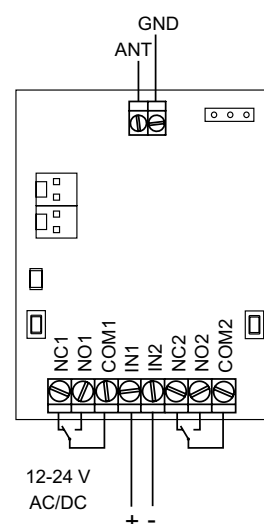


RCL08X5002A01-27K

### Technical specifications

Coding	secwave, AES 128-bit encryption Up to 100 transmitters per channel can be programmed Not compatible with Easywave products!
Frequency	868.30 MHz
Channels	2
Power supply	12-24 V AC/DC
Power consumption	0.4 W standby at 24 V DC 0.8 W standby at 24 V AC
Operating modes	ON/OFF (1-button operation) PULSE (1 second)
Outputs	2 potential-free relay contacts (changeover contacts)
Maximum contact load	
- AC	24 V / 1 A / 24 VA
- DC	30 V / 1 A / 30 W
Operating temperature	-20 °C to +60 °C
Dimensions	70 x 64 x 35 mm
Color	white similar to RAL 9003

### Wiring diagram



### Scope of delivery

- Mini-receiver
- Adhesive pad
- Operating manual

### Accessories (optional)

RCL03-ACC-01-00P	2x cable assembly length 45 cm
ACC-ANT50-03-21P	868.30 MHz external antenna cable length 5 m



RCL03-ACC-01-00P



ACC-ANT50-03-21P

### Models

Product numbers	Description
RCL08X5002A01-01K	Mini-receiver secwave 868 MHz 2-channel, white 12-24 V AC/DC changeover contact

## RCL09 Mini-receiver

The wireless controller RCL09 has two potential-free relay contacts which can be activated by ELDAT secwave transmitters.

The RCL09 is operated at 12-24 V AC/DC, and up to 100 secwave transmitters per channel can be paired.

With regard to technical features, the RCL09 is identical to the RCL08, but the housing is dustproof and waterproof.

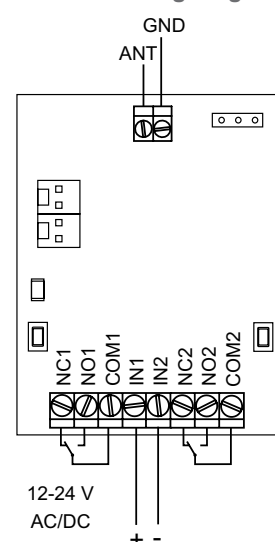


RCL09X5002A01-01K

### Technical specifications

Coding	secwave, AES 128-bit encryption Up to 100 transmitters per channel can be programmed. Not compatible with Easywave products!
Frequency	868.30 MHz
Channels	2
Power supply	12-24 V AC/DC
Power consumption	0.4 W standby at 24 V DC 0.8 W standby at 24 V AC
Operating modes	ON/OFF (1-button operation) PULSE (1 second)
Outputs	2 potential-free relay contacts (changeover contacts)
Maximum contact load	
- AC	24 V / 1 A / 24 VA
- DC	30 V / 1 A / 30 W
Degree of protection	IP65
Operating temperature	-20 °C to +60 °C
Dimensions	72 x 114 x 36 mm
Color	white similar to RAL 9003

### Wiring diagram



### Scope of delivery

- Mini-receiver
- Adhesive pad
- Operating manual

### Accessories (optional)

RCL03-ACC-01-00P	2x cable assembly length 45 cm
ACC-ANT50-03-21P	868.30 MHz external antenna cable length 5 m



RCL03-ACC-01-00P



ACC-ANT50-03-21P

### Models

Product numbers	Description
RCL09X5002A01-01K	Mini-receiver secwave 868 MHz 2-channel, white 12-24 V AC/DC changeover contact, IP65



## RCP16 Plug-in socket receiver PULSE

The RCP16 plug-in socket receiver receives codes from paired secwave transmitters, and activates the pulse output, e.g. a garage door motor, for 1 second.

Up to 200 transmitters can be memorised in total.

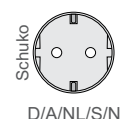


RCP16X5001A02-01K

### Technical specifications

Coding	secwave, AES 128-bit encryption Up to 200 transmitters can be programmed. Not compatible with Easywave products!
Frequency	868.30 MHz
Channels	1
Power supply	230 V AC, 50 Hz
Power consumption	0.2 W standby 0.8 W relay switched (without load)
Operating mode	PULSE (1 second)
Outputs	1 potential-free relay contact (normally open)
Maximum contact load D/A/NL/S/N	pulse output: 1 A / 24 V DC mains voltage (not switchable): 10 A / 230 V AC
Operating temperature	-10 °C to +35 °C
Dimensions	50 x 120 x 75 mm
Color	white similar to RAL 9003

### Plug system

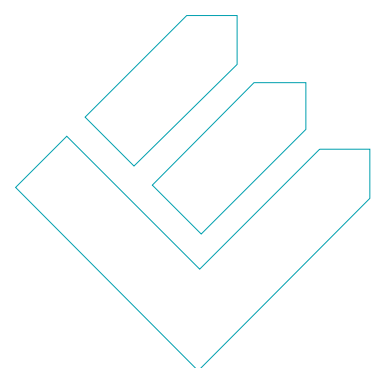


### Scope of delivery

- Plug-in socket receiver
- Operating manual

### Models

Product numbers	Description	Plug system
RCP16X5001A02-01K	Plug-in socket receiver secwave 868 MHz PULSE, white, 230V	D/A/NL/S/N



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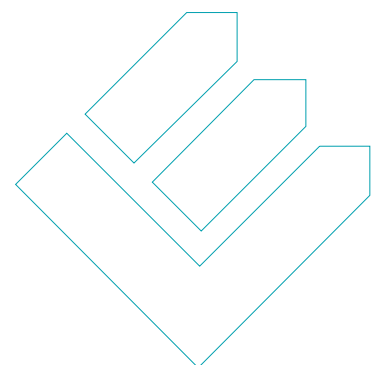
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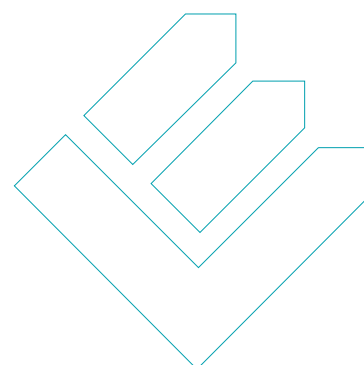
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