ELDAT

MAIN CATALOG

08|2024

Easywave

Easywave
neo

secwave

Table of contents

RECEIVERS

Table of contents

SENSORS

INTERFACES

Table of contents

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 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 electro smog 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.

Easywave neo

Modern building management systems require a high level of switching reliability and constant monitoring of the current status of all connected devices.

These requirements are optimally met with the new, **bidirectional** Easywave neo radio system.

The new Easywave neo products are immediately recognizable by the new logo:

Easywave neo – bidirectional radio

With the bidirectional Easywave neo radio, all received or sent radio commands are acknowledged by the receiver. If no acknowledgement is received, the radio command is resent several times.

This ensures a high level of transmission reliability and makes the radio system less susceptible to interference.

If an Easywave neo device indicates a successful transmission, you can be sure that, for example, the light in the basement is really off.

If a transmission fails despite several attempts, the system informs you of the problem and appropriate measures can be taken. Often the distance between the transmitter and receiver is simply too great and a new location for the devices solves the problem.

Easywave neo – compatibility

Easywave neo products are 100% backwards compatible with previous Easywave devices.

This means that existing systems can continue to be used and only be expanded with bidirectional devices if required.

During programming, Easywave neo receivers automatically detect whether the transmitter to be programmed offers bidirectional functions and provide the corresponding range of functions.

The center of the bidirectional radio system is the Easywave Control Center or the APPMODULE. These are able to receive and send Easywave, Easywave neo and secwave radio telegrams.

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.

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 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:

Programming 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 number.

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.

PULSE SEQUENCE

The pulse sequence is another operating mode for controlling motor receivers with just one button.

When a button is pressed, drive or stop commands are triggered in a defined sequence:

UP → STOP → DOWN → STOP → UP → ...

With a transmitter with four buttons (A, B, C, D), for example, four different motor receivers can be controlled.

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 1 second
1–button operation	universal	ON/OFF	ON/OFF	ON/OFF	ON/OFF	sequenced switching
	motor	UP/ STOP/ DOWN	UP/ STOP/ DOWN	UP/ STOP/ DOWN	UP/ STOP/ DOWN	pulse sequence
2–button operation	universal	ON	OFF	ON	OFF	
	motor	UP	DOWN	UP	DOWN	stop with the opposite direc–tion 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 variable

TRANSMITTERS

RECEIVERS

SENSORS

INTERFACES

TRANSMITTERS

RT42 | RT43   Hand transmitter
PULSE

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.

RT43E5004-01-21K

RT42E5004-01-21K

Technical specifications

Coding	Easywave
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)
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	37/61.5/10.7 mm
Weight	RT42: 30 g (including battery) RT43: 18 g (including battery)
Color	black similar RAL 9005

Scope of delivery
· Hand transmitter incl.battery
· Key protection
· Operating manual

Accessories (optional)

RT42-ACC-01-21U   Key protection RT42/RT43 black similar RAL9005

Models

Product number	Description
RT42E5004-01-21K	Hand transmitter, Easywave, 4x PULSE, metal bracket, black
RT43E5004-01-21K	Hand transmitter, Easywave, 4x PULSE, plastic bracket, black

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RT21   Hand transmitter
PULSE

ELDAT
Easywave

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.

RT21E5002-01-23K

RT21E5001-01-23K

Technical specifications

Coding	Easywave
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)
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	36/55/16 mm
Weight	17 g (including battery)
Color	anthracite similar RAL 7016

Scope of delivery

· Hand transmitter incl. battery
· Operating manual

Models

Product number	Description
RT21E5001-01-23K	Hand transmitter, Easywave, 1x PULSE, anthracite
RT21E5002-01-23K	Hand transmitter, Easywave, 2x PULSE, anthracite

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RT30   Hand transmitter
PULSE | UP/STOP/DOWN

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.

RT30E5001-01-22K

RT30E5004-01-02K

Technical specifications

Coding	Easywave
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)
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	38/60/14 mm (without wall holder)
Weight	25 g (including battery)
Color	glossy white similar RAL 9003 glossy black similar RAL 9005

Models
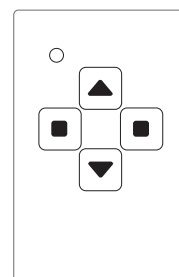
RT30E5001-01-xxK
1x UP/STOP/DOWN
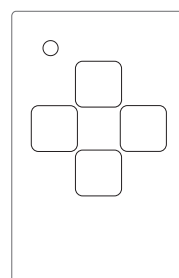
RT30E5004-01-xxK
4x PULSE

Scope of delivery

· Hand transmitter incl. battery
· Wall holder
· Adhesive pad
· Operating manual

Accessories (optional)

RT30-ACC-03-02P	Wall holder, glossy white
RT30-ACC-03-22P	Wall holder, glossy black

RT30-ACC-03-02P   RT30-ACC-03-22P

Models

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

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RT32   Hand transmitter
UP/STOP/DOWN

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	Easywave
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)
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	38/109/14 mm (without wall holder)
Weight	37 g (including battery)
Color	glossy white similar RAL 9003 glossy black similar RAL 9005

Models
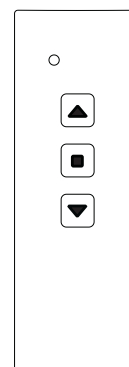
RT32E5001-01-xxK
1x UP/STOP/DOWN
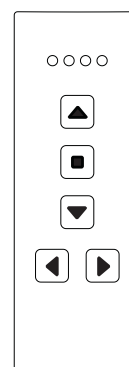
RT32E5004-01-xxK
4x UP/STOP/DOWN

Scope of delivery

· Hand transmitter incl. battery
· Wall holder
· Adhesive pad
· 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 number	Description
RT32E5001-01-02K	Hand transmitter, Easywave, 1x UP/STOP/DOWN, glossy white
RT32E5001-01-22K	Hand transmitter, Easywave, 1x UP/STOP/DOWN, glossy black
RT32E5004-01-02K	Hand transmitter, Easywave, 4x UP/STOP/DOWN, group function, glossy white
RT32E5004-01-22K	Hand transmitter, Easywave, 4x UP/STOP/DOWN, group function, glossy black

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RT34   Hand transmitter
PULSE | ON/OFF | UP/STOP/DOWN

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	Easywave
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)
Operating temperature	−20 °C to +60 °C
Dimensions (W/L/H)	38/109/14 mm (without wall holder)
Weight	37 g (including battery)
Color	glossy white similar RAL 9003 glossy black similar RAL 9005

Models

RT34E5004-01-xxK
2x UP/STOP/DOWN
2x ON/OFF
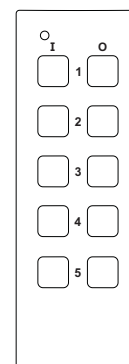
RT34E5005-01-xxK
5x ON/OFF
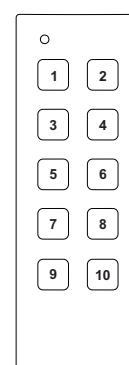
RT34E5010-01-xxK
10x PULSE

Scope of delivery

· Hand transmitter incl. battery
· Wall holder
· Adhesive pad
· Operating manual

Accessories (optional)

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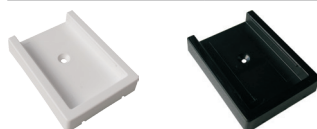
RT32-ACC-01-02P   RT32-ACC-01-22P

Models

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

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RT22   Hand transmitter
ON/OFF | UP/STOP/DOWN

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	Easywave
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
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	60/150/22 mm
Weight	100 g (including batteries)
Color	anthracite similar RAL 7016

Scope of delivery

· Hand transmitter incl. batteries
· Operating manual

Models

Product number	Description
RT22E5022-01-23K	Hand transmitter, Easywave, 20x ON/OFF + 4x UP/STOP/DOWN, anthracite

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RT26   Wristband transmitter
PULSE

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	Easywave
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)
Protection degree	IP65
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	38/46/14 mm
Weight	16 g (including battery, without wrist strap)
Color	anthracite similar RAL 7016

Scope of delivery

· Wristband transmitter
  incl. battery
· Wrist strap
  (nickel-free clasp)
· Operating manual

Accessories (optional)

RT26-ACC-02-23P	Wrist strap (nickel-free clasp)
ACC-TOO-01-23P	Housing key
ACC-SEA-01-00P10	O-ring seal, 10 pieces

RT26-ACC-02-23P   ACC-TOO-01-23P   ACC-SEA-01-00P10

Models

Product number	Description
RT26E5001-12-23K	Wristband transmitter, Easywave, 1x PULSE, button red, IP65, anthracite

RT27   Necklace transmitter
PULSE

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	Easywave
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)
Protection degree	IP65
Operating temperature	–20 °C to +60 °C
Dimensions	Ø 41x13 mm
Weight	16 g (including battery, without necklace)
Color	anthracite similar RAL 7016

Scope of delivery

· Necklace transmitter incl. battery
· Necklace (predetermined breaking point)
· Operating manual

Accessories (optional)

RT27–ACC–05–23P	Necklace
ACC–TOO–01–23P	Housing key
ACC–SEA–01–00P10	O–ring seal, 10 pieces

RT27–ACC–05–23P   ACC–TOO–01–23P   ACC–SEA–01–00P10
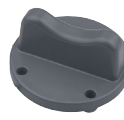
Models

Product number	Description
RT27E5001–11–23K	Necklace transmitter, Easywave, 1x PULSE, button red, IP65, anthracite

RT28   Push button transmitter
PULSE

ELDAT
Easywave

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	Easywave
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)
Protection degree	IP65
Operating temperature	–20 °C to +60 °C
Dimensions	Ø 38x13 mm
Weight	16 g (including battery)
Color	anthracite similar RAL 7016

Scope of delivery
· Push button transmitter including battery
· Operating manual

Accessories (optional)

RT28-ACC-01-23P	Bell button housing
RT28-ACC-02-23P	Transmitter holder, anthracite
ACC-TOO-01-23P	Housing key
ACC-SEA-01-00P10	O-ring seal, 10 pieces

RT28-ACC-01-23P   RT28-ACC-02-23P   ACC-TOO-01-23P   ACC-SEA-01-00P10

Models

Product number	Description
RT28E5001-11-23K	Push button transmitter, Easywave, 1x PULSE, button gray, IP65, anthracite
RT28E5001-11-41K	Push button transmitter, Easywave, 1x PULSE, button red, IP65, anthracite

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RTS13 Wall switch
UP/STOP/DOWN

The RTS13 wall switch is designed to be surfacemounted inside dry buildings.

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

The RTS13 can be used to control roller shutters or awnings.

RTS13E5001-01-02K

Technical specifications

Coding	Easywave
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)
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	80/80/10 mm
Weight	47 g (including battery)
Color	white similar RAL 9003

Scope of delivery
· Wall switch incl. battery
· Adhesive pad
· Operating manual

Models

Product number	Description
RTS13E5001-01-02K	Radio wall switch, Easywave, 1x UP/STOP/DOWN, white

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

WALL TRANSMITTERS Format 55

ELDAT
Easywave

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

The wall transmitters can be purchased either modularly or as a complete wall transmitter, including rocker(s) and cover frame.

Complete wall transmitters include a rocker and the ELDAT cover frame (RTS22-ACC-05).

The modular wall transmitters can be assembled as follows:

mounting plate   transmitter module

cover frame   rocker(s)
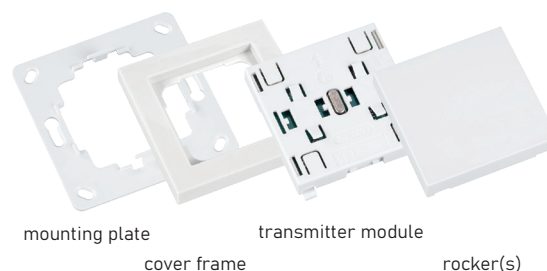
Radio wall switch	Associated rockers			Cover frame
RTS22E5002A11-02K for single rocker	**RTS22-ACC-02-xxP** 1x ON/OFF white, anthracite, alu	**RTS22-ACC-03-xxP** 1x UP/DOWN white, anthracite, alu		**RTS22-ACC-05**
RTS23E5004A11-02K for double rockers	**RTS23-ACC-01-xxP2** 2x ON/OFF white, anthracite, alu	**RTS23-ACC-02-xxP2** 2x UP/DOWN white, anthracite, alu	**RTS23-ACC-03-xxP2** 1x UP/STOP/DOWN white, anthracite, alu	**RTS22-ACC-05**

In addition to the ELDAT cover frame, cover frames from other manufacturers from the following compatibility list can also be used:

Manufacturer *)	Products (brand articles) *)
BERKER	S.1, B.3, 7
Busch Jaeger	Balance SI
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
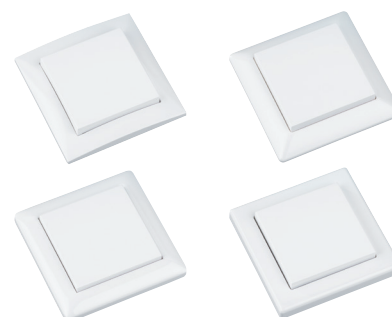
*) The names, terms and symbols may be protected brands and trademarks of the respective companies/rights holders.

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RTS22 Wall switch modular

Format 55 Single rocker

ELDAT
Easywave

The RTS22 wall switch from the Format 55 range is a battery-powered Easywave transmitter. The function of the wall switch is defined by combining it with different rockers.

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 module is combined with the desired rocker, 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 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.

Please order the rocker separately!

RTS22E5002A11-02K

Technical specifications

Coding	Easywave
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)
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	Rocker: 55/55/9 mm Mounting plate: 71/71/1.5 mm
Weight	34 g (including battery)
Color	white similar RAL 9003 anthracite similar RAL 7016 lacquered aluminium similar RAL 9006

Rockers

Single rocker ON/OFF

white	RTS22-ACC-02-02P
anthracite	RTS22-ACC-02-24P
lacquered alu	RTS22-ACC-02-25P

Single rocker UP/DOWN

white	RTS22-ACC-03-02P
anthracite	RTS22-ACC-03-24P
lacquered alu	RTS22-ACC-03-25P

Scope of delivery

· Transmitter module incl. battery
· Mounting plate
· Adhesive pad
· Operating manual

Accessories (optional)

RTS22-ACC-01-01P	Mounting plate, white
RTS22-ACC-05	Cover frame, white

RTS22-ACC-01-01P   RTS22-ACC-05

Models

Product number	Description
RTS22E5002A11-02K	Wall switch for single rocker, Easywave, Format 55 / Format B6
+ RTS22-ACC-02-02P	Single rocker, 1x ON/OFF, Format 55, for RTS22, white
+ RTS22-ACC-02-24P	Single rocker, 1x ON/OFF, Format 55, for RTS22, anthracite
+ RTS22-ACC-02-25P	Single rocker, 1x ON/OFF, Format 55, for RTS22, lacquered aluminium
+ RTS22-ACC-03-02P	Single rocker, 1x UP/DOWN, Format 55, for RTS22, white
+ RTS22-ACC-03-24P	Single rocker, 1x UP/DOWN, Format 55, for RTS22, anthracite
+ RTS22-ACC-03-25P	Single rocker, 1x UP/DOWN, Format 55, for RTS22, lacquered aluminium

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RTS22 Wall switch ON/OFF
Format 55

ELDAT
Easywave

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

This complete version of the RTS22 wall switch contains all the components required to be put into operation immediately. The transmitter module, a white frame and a white single rocker are included in the scope of delivery.

Additional individual rocker variants are also optionally available in other colors as accessories. If necessary, the wall switch can be used in cover frames of other manufacturers (see compatibility list).

The RTS22 is usually used to switch lighting with 2-button operation.

RTS22E5002A12

Technical specifications

Coding	Easywave
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)
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	
Mounting plate	71/71/1.8 mm
Rocker	55/55/9.0 mm
Cover frame	80/80/9.4 mm
Weight	44 g (including battery and cover frame)
Color	white similar RAL 9003

Accessories (optional)

Single rocker ON/OFF

white	RTS22-ACC-02-02P
anthracite	RTS22-ACC-02-24P
lacquered alu	RTS22-ACC-02-25P

Single rocker UP/DOWN

white	RTS22-ACC-03-02P
anthracite	RTS22-ACC-03-24P
lacquered alu	RTS22-ACC-03-25P

Scope of delivery

· Transmitter module incl. battery
· Rocker ON/OFF, white
· Cover frame
· Mounting plate
· Adhesive pad
· Operating manual

Accessories (optional)

RTS22-ACC-01-01P	Mounting plate, white
RTS22-ACC-05	Cover frame, white

RTS22-ACC-01-01P

RTS22-ACC-05

Models

Product number	Description
RTS22E5002A12	Wall switch single rocker complete, Easywave, 1x ON/OFF, Format 55, white

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RTS22 Wall switch AUS
Format 55

This RTS22 wall switch from the Format 55 series is a battery-operated Easywave transmitter with the function OFF.

This complete version of the RTS22 wall switch contains all the components required to be put into operation immediately. The transmitter module, a white cover frame and a white single rocker with a "AUS" label are included in the scope of delivery.

Additional individual rocker variants are also optionally available in other colors as accessories. If necessary, the wall switch can be used in cover frames of other manufacturers (see compatibility list).

The RTS22 AUS is usually used to turn off lights centrally with 2-button operation.

RTS22E5001B02

Technical specifications

Coding	Easywave
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)
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	
Mounting plate	71/71/1.8 mm
Rocker	55/55/9.0 mm
Cover frame	80/80/9.4 mm
Weight	44 g (including battery and cover frame)
Color	white similar RAL 9003

Accessories (optional)

Single rocker "AUS"

white	RTS22-ACC-04-02P
anthracite	RTS22-ACC-04-24P
lacquered alu	RTS22-ACC-04-25P

Scope of delivery

- Transmitter module incl. battery
- Rocker "AUS", white
- Cover frame
- Mounting plate
- Adhesive pad
- Operating manual

Accessories (optional)

RTS22-ACC-01-01P	Mounting plate, white
RTS22-ACC-05	Cover frame, white

RTS22-ACC-01-01P   RTS22-ACC-05

Models

Product number	Description
RTS22E5001B02	Wall switch single rocker AUS complete, Easywave, 1x OFF, Format 55, white

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RTS22 Wall switch CALL
Format 55

ELDAT
Easywave

The RTS22 wall switch CALL from the Format 55 series is a battery-operated Easywave transmitter with a red call-button.

This complete version of the RTS22 wall switch contains all the components required to be put into operation immediately. The transmitter module, a white frame and a red single rocker are included in the scope of delivery.

If necessary, the wall switch can be used in cover frames from other manufacturers (see compatibility list).

It can be used for paging in conjunction with the RCP25 socket pager, the RCP24 radio bell or the Easywave Fon Alarm. A connection to care systems, e.g. as a call button for nurse call systems, is also possible.

RTS22E5001A04-40K

Technical specifications

Coding	Easywave
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)
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	
Mounting plate	71/71/1.8 mm
Rocker	55/55/9.0 mm
Cover frame	80/80/9.4 mm
Weight	44 g (including battery and cover frame)
Color	
Rocker	red similar RAL 3020
Cover frame	white similar RAL 9003

Accessories (optional)

Single rocker CALL
red   RTS22-ACC-06

Scope of delivery

· Transmitter module incl. battery
· Rocker CALL, red
· Cover frame
· Mounting plate
· Adhesive pad
· Operating manual

Accessories (optional)

RTS22-ACC-01-01P	Mounting plate, white
RTS22-ACC-05	Cover frame, white

RTS22-ACC-01-01P   RTS22-ACC-05

Models

Product number	Description
RTS22E5001A04-40K	Wall switch single rocker CALL complete, Easywave, 1x PULSE, Format 55, red

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RTS22 Wall switch CALL

Format 55

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

This complete version of the RTS22 wall switch contains all the components required to be put into operation immediately. The transmitter module, a white frame and a white single rocker are included in the scope of delivery.

If necessary, the wall switch can be used in cover frames from other manufacturers (see compatibility list).

It can be used for paging in conjunction with the RCP25 socket pager, the RCP24 radio bell or the Easywave Fon Alarm. A connection to care systems, e.g. as a call button for nurse call systems, is also possible.

RTS22E5001A05

Technical specifications

Coding	Easywave
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)
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	
Mounting plate	71/71/1.8 mm
Rocker	55/55/9.0 mm
Cover frame	80/80/9.4 mm
Weight	44 g (including battery and cover frame)
Color	white similar RAL 9003

Accessories (optional)

Single rocker CALL
white   RTS22-ACC-07

Scope of delivery

· Transmitter module incl. battery
· Rocker CALL, white
· Cover frame
· Mounting plate
· Adhesive pad
· Operating manual

Accessories (optional)

RTS22-ACC-01-01P	Mounting plate, white
RTS22-ACC-05	Cover frame, white

RTS22-ACC-01-01P   RTS22-ACC-05

Models

Product number	Description
RTS22E5001A05	Wall switch single rocker CALL complete, Easywave, 1x PULSE, Format 55, white

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RTS22 Wall switch QUIT
Format 55

The RTS22 wall switch QUIT from the Format 55 series is a battery-operated Easywave transmitter with an acknowledge-button.

This complete version of the RTS22 wall switch contains all the components required to be put into operation immediately. The transmitter module, a white frame and a white single rocker with a acknowledge-symbol are included in the scope of delivery.

If necessary, the wall switch can be used in cover frames from other manufacturers (see compatibility list).

It can be used to acknowledge person calls or in care systems to acknowledge nurse calls.

RTS22E5001B01

Technical specifications

Coding	Easywave
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)
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	
Mounting plate	71/71/1.8 mm
Rocker	55/55/9.0 mm
Cover frame	80/80/9.4 mm
Weight	44 g (including battery and cover frame)
Color	white similar RAL 9003

Accessories (optional)

Single rocker QUIT
RTS22-ACC-08

Scope of delivery

- Transmitter module incl. battery
- Rocker QUIT
- Cover frame
- Mounting plate
- Adhesive pad
- Operating manual

Accessories (optional)

RTS22-ACC-01-01P	Mounting plate, white
RTS22-ACC-05	Cover frame, white

RTS22-ACC-01-01P

RTS22-ACC-05

Models

Product number	Description
RTS22E5001B01	Wall switch single rocker QUIT complete, Easywave, 1x PULSE, Format 55, white

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RTS23 Wall switch modular
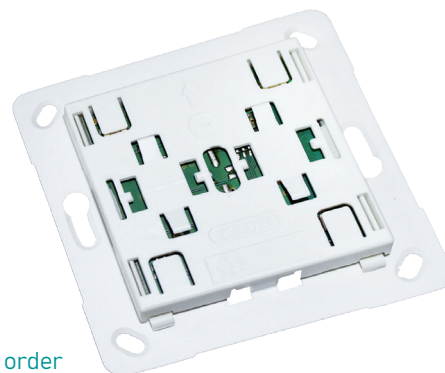## Format 55 double rockers

The RTS23 wall switch from the Format 55 range is a battery-powered Easywave transmitter. The function of the wall switch is defined by combining it with different rockers.

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 module is combined with the desired rocker, 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.

Please order the rockers separately!

RTS23E5004A11-02K

Technical specifications

Coding	Easywave
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)
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	Rockers: 27/55/9 mm Mounting plate: 71/71/1.8 mm
Weight	34 g (including battery)
Color	white similar RAL 9003 anthracite similar RAL 7016 lacquered alu similar RAL 9006

Rockers

RTS23-ACC-01-xxP2
2x ON/OFF

RTS23-ACC-02-xxP2
2x UP/DOWN

RTS23-ACC-03-xxP2
1x UP/STOP/DOWN

Scope of delivery

· Transmitter module incl. battery
· Mounting plate
· Adhesive pad
· Operating manual

Accessories (optional)

RTS22-ACC-01-01P	Mounting plate, white
RTS22-ACC-05	Cover frame, white

RTS22-ACC-01-01P   RTS22-ACC-05

Models

Product number	Description
RTS23E5004A11-02K	Radio wall switch for double rockers, Easywave, Format 55 / Format B6
+ RTS23-ACC-01-02P2	Double rockers, 2x ON/OFF, Format 55, for RTS23, white
+ RTS23-ACC-01-24P2	Double rockers, 2x ON/OFF, Format 55, for RTS23, anthracite
+ RTS23-ACC-01-25P2	Double rockers, 2x ON/OFF, Format 55, for RTS23, lacquered alu
+ RTS23-ACC-02-02P2	Double rockers, 2x UP/DOWN, Format 55, for RTS23, white
+ RTS23-ACC-02-24P2	Double rockers, 2x UP/DOWN, Format 55, for RTS23, anthracite
+ RTS23-ACC-02-25P2	Double rockers, 2x UP/DOWN, Format 55, for RTS23, lacquered alu
+ RTS23-ACC-03-02P2	Double rockers, 1x UP/STOP/DOWN, Format 55, for RTS23, white
+ RTS23-ACC-03-24P2	Double rockers, 1x UP/STOP/DOWN, Format 55, for RTS23, anthracite
+ RTS23-ACC-03-25P2	Double rockers, 1x UP/STOP/DOWN, Format 55, for RTS23, lacquered alu

RTS23 Wall switch 2x ON/OFF
Format 55

The RTS23 wall switch from the Format 55 series is a battery-operated Easywave transmitter.

This complete version of the RTS23 wall switch contains all the components required to be put into operation immediately. The transmitter module, a white frame and white double rockers are included in the scope of delivery.

Additional individual rocker variants are also optionally available in other colors as accessories. If necessary, the wall switch can be used in cover frames of other manufacturers (see compatibility list).

The RTS23 is usually used to switch lighting with 2-button operation.

RTS23E5004A12

Technical specifications

Coding	Easywave
Frequency	868.30 MHz
Channels	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)
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	
Mounting plate	71/71/1.8 mm
Rockers	27/55/9.0 mm
Cover frame	80/80/9.4 mm
Weight	44 g (including battery and cover frame)
Color	white similar RAL 9003

Accessories (optional)

Double rockers 2x ON/OFF

white	RTS23-ACC-01-02P2
anthracite	RTS23-ACC-01-24P2
lacquered alu	RTS23-ACC-01-25P2

Double rockers 2x UP/DOWN

white	RTS23-ACC-02-02P2
anthracite	RTS23-ACC-02-24P2
lacquered alu	RTS23-ACC-02-25P2
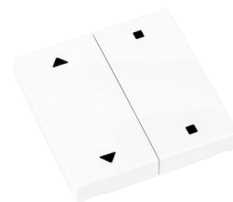
Double rockers UP/STOP/DOWN

white	RTS23-ACC-03-02P2
anthracite	RTS23-ACC-03-24P2
lacquered alu	RTS23-ACC-03-25P2

Scope of delivery

· Transmitter module incl. battery
· Double rockers, 2x ON/OFF, white
· Cover frame
· Mounting plate
· Adhesive pad
· Operating manual

Accessories (optional)

RTS22-ACC-01-01P	Mounting plate, white
RTS22-ACC-05	Cover frame, white

RTS22-ACC-01-01P   RTS22-ACC-05

Models

Product number	Description
RTS23E5004A12	Wall switch double rockers complete, Easywave, 2x ON/OFF, Format 55, white

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RTS25 Sensor wall switch
Format 55

The RTS25 sensor wall 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.

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

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

RTS25E5001-01-02K

Technical specifications

Coding	Easywave
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)
Operating temperature	–20 °C to +50 °C
Dimensions (W/L/H) Transmitter module Mounting plate Cover frame	55 / 55 / 8.2 mm 71 / 71 / 1.8 mm 80 / 80 / 9.4 mm
Weight	42 g (including batteries and cover frame)
Color	white similar RAL 9003

Scope of delivery

· Sensor wall switch
· Cover frame
· 2 batteries
· Mounting plate
· Adhesive pad
· Operating manual

Accessories (optional)

RTS22-ACC-01-01P	Mounting plate, white
RTS22-ACC-05	Cover frame, white

RTS22-ACC-01-01P   RTS22-ACC-05

Models

Product number	Description
RTS25E5001-01-02K	Sensor wall switch complete, Easywave, 1x PULSE, Format 55, white

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RTS25 Sensor wall switch CALL
Format 55

ELDAT
Easywave

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

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

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

It can be used for paging in conjunction with the RCP25 socket pager or the RCP24 radio bell. A connection to care systems, e.g. as a call button for nurse call systems, is also possible.

RTS25E5001-03

Technical specifications

Coding	Easywave
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)
Operating temperature	–20 °C to +50 °C
Dimensions (W/L/H)	
Transmitter module	55 / 55 / 8.2 mm
Mounting plate	71 / 71 / 1.8 mm
Cover frame	80 / 80 / 9.4 mm
Weight	42 g (including batteries and cover frame)
Color	
Button	red similar RAL 3020
Cover frame	white similar RAL 9003

Scope of delivery

· Sensor wall switch, red
· Cover frame
· 2 batteries
· Mounting plate
· Adhesive pad
· Operating manual

Accessories (optional)

RTS22-ACC-01-01P	Mounting plate, white
RTS22-ACC-05	Cover frame, white

RTS22-ACC-01-01P   RTS22-ACC-05

Models

Product number	Description
RTS25E5001-03	Sensor wall switch CALL complete, Easywave, 1x PULSE, Format 55, red

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

WALL TRANSMITTERS Format B5

The term Format B5 indicates that the products are com-
patible with the switch ranges designed by Busch-Jaeger,
as listed below: *)

· Reflex SI
· Reflex SI Linear
· Busch-Duro 2000 SI (except 212 model)
· Busch-Duro 2000 SI Linear
· With intermediate ring also usable in the switch
  ranges: carat, solo, Busch-axcent, future linear

transmitter module

mounting plate   rocker(s)
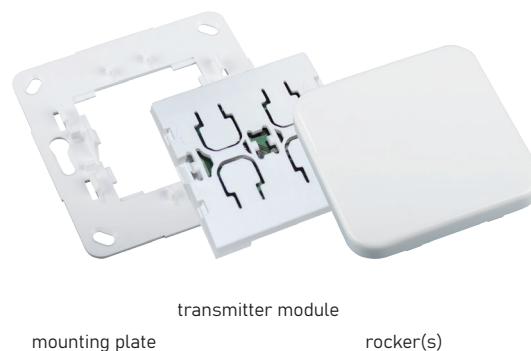
Description	Function	Product number
RTS32 Format B5 for single rockers		**RTS32E5002A11–02K** incl. mounting plate
	ON/OFF	RTS32-ACC-01-02P rocker white
		RTS32-ACC-01-07P rocker ivory white
	UP/DOWN	RTS32-ACC-02-02P rocker white
		RTS32-ACC-02-07P rocker ivory white

Description	Function	Product number
RTS33 Format B5 for double rockers		**RTS33E5004A11–02K** incl. mounting plate
	ON/OFF 2x	RTS33-ACC-01-02P 2 rockers white
		RTS33-ACC-01-07P 2 rockers ivory white
	UP/DOWN 2x	RTS33-ACC-02-02P 2 rockers white
		RTS33-ACC-02-07P 2 rockers ivory white
	UP/ STOP/ DOWN 1x	RTS33-ACC-03-02P 2 rockers white
		RTS33-ACC-03-07P 2 rockers ivory white

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

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RTS32 Wall switch
Format B5 Single rocker

ELDAT
Easywave

The RTS32 wall switch from the Format B5 range is a battery-powered wall transmitter that must be surface-mounted in dry rooms. The function of the wall switch is defined by combining it with different rockers.

The transmitter is compatible with the Busch-Jaeger switch range (see compatibility list). The transmitter module is combined with the desired rocker, 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.
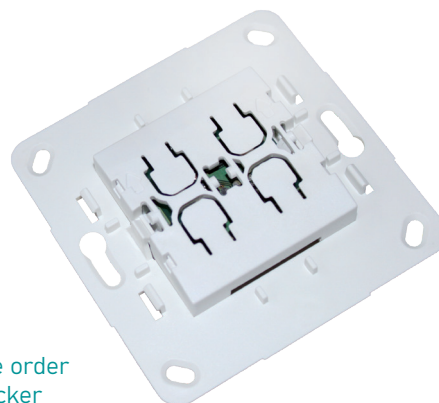
Please order the rocker separately!

RTS32E5002A11-02K

Technical specifications

Coding	Easywave
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)
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	Rocker: 54/54/7 mm Mounting plate: 71/71/1.8 mm
Weight	24 g (including battery)
Color	white similar RAL 9003 ivory white similar RAL 1013

Rockers

RTS32-ACC-01-xxP
1x ON/OFF

RTS32-ACC-02-xxP
1x UP/DOWN

Scope of delivery

· Transmitter module incl. battery
· Mounting plate
· Adhesive pad
· Operating manual

Accessories (optional)

RTS32-ACC-03-01P	Mounting plate, white

Models

Product number	Description
RTS32E5002A11-02K	Wall switch for single rocker, Easywave, Format B5
+ RTS32-ACC-01-02P	Single rocker, 1x ON/OFF, Format B5, for RTS32, white
+ RTS32-ACC-01-07P	Single rocker, 1x ON/OFF, Format B5, for RTS32, ivory white
+ RTS32-ACC-02-02P	Single rocker, 1x UP/DOWN, Format B5, for RTS32, white
+ RTS32-ACC-02-07P	Single rocker, 1x UP/DOWN, Format B5, for RTS32, ivory white

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RTS33 Wall switch
Format B5 Double rockers

The RTS33 wall switch from the Format B5 range is a battery-powered wall transmitter that must be surface-mounted in dry rooms. The function of the wall switch is defined by combining it with different rockers.

The transmitter is compatible with the Busch-Jaeger switch range (see compatibility list). The transmitter module is combined with the desired rocker, 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.

Please order the rockers separately!

RTS33E5004A11-02K

Technical specifications

Coding	Easywave
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)
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	Rockers: 27/54/7 mm Mounting plate: 71/71/1.8 mm
Weight	24 g (including battery)
Color	white similar RAL 9003 ivory white similar RAL 1013

Rockers

RTS33-ACC-01-xxP
2x ON/OFF

RTS33-ACC-02-xxP
2x UP/DOWN

RTS33-ACC-03-xxP
1x UP/STOP/DOWN

Scope of delivery

· Transmitter module incl. battery
· Mounting plate
· Adhesive pad
· Operating manual

Accessories (optional)

RTS32-ACC-03-01P	Mounting plate, white
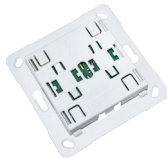
Models
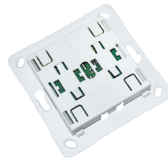
Product number	Description
RTS33E5004A11-02K	Wall switch for double rockers, Easywave, Format B5
+ RTS33-ACC-01-02P	Double rockers, 2x ON/OFF, Format B5, for RTS33, white
+ RTS33-ACC-01-07P	Double rockers, 2x ON/OFF, Format B5, for RTS33, ivory white
+ RTS33-ACC-02-02P	Double rockers, 2x UP/DOWN, Format B5, for RTS33, white
+ RTS33-ACC-02-07P	Double rockers, 2x UP/DOWN, Format B5, for RTS33, ivory white
+ RTS33-ACC-03-02P	Double rockers, 1x UP/STOP/DOWN, Format B5, for RTS33, white
+ RTS33-ACC-03-07P	Double rockers, 1x UP/STOP/DOWN, Format B5, for RTS33, ivory white

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

WALL TRANSMITTERS Format B6

ELDAT

Easywave

The term Format B6 indicates that the products are compatible with the switch ranges designed by Busch-Jaeger, as listed below: *)

· carat
· solo
· Busch-axcent
· future linear

transmitter module

mounting plate   rocker(s)
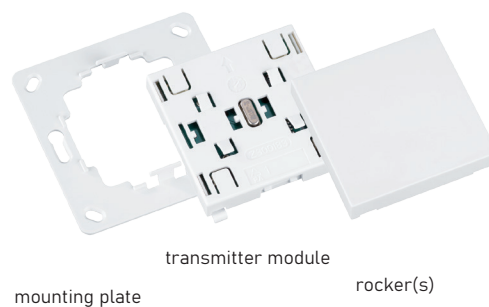
Description	Function	Product number
RTS34 Format B6 for single rockers		RTS22E5002A11-02K incl. mounting plate
	ON/OFF	RTS34-ACC-01-02P rocker white
		RTS34-ACC-01-07P rocker ivory white
	UP/DOWN	RTS34-ACC-02-02P rocker white
		RTS34-ACC-02-07P rocker ivory white

Description	Function	Product number
RTS35 Format B6 for double rockers		RTS23E5004A11-02K incl. mounting plate
	ON/OFF 2x	RTS35-ACC-01-02P 2 rockers white
		RTS35-ACC-01-07P 2 rockers ivory white
	UP/DOWN 2x	RTS35-ACC-02-02P 2 rockers white
		RTS35-ACC-02-07P 2 rockers ivory white
	UP/ STOP/ DOWN 1x	RTS35-ACC-03-02P 2 rockers white
		RTS35-ACC-03-07P 2 rockers ivory white

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

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RTS34 Wall switch

Format B6 Single rocker

The RTS34 wall switch from the Format B6 range is a battery-powered wall transmitter that must be surface-mounted in dry rooms. The function of the wall switch is defined by combining it with different rockers.

The transmitter is compatible with the Busch-Jaeger switch range (see compatibility list). The transmitter module is combined with the desired rocker, 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.

Please order the rocker separately!

RTS22E5002A11-02K

Technical specifications

Coding	Easywave
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)
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	Rocker: 63/63/8 mm Mounting plate: 71/71/1.8 mm
Weight	24 g (including battery)
Color	white similar RAL 9003 ivory white similar RAL 1013

Rockers
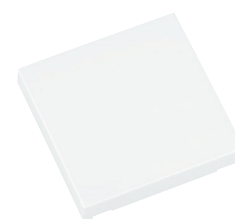
RTS34-ACC-01-xxP
1x ON/OFF
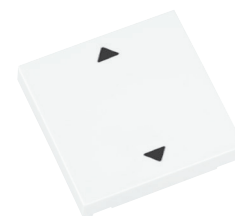
RTS34-ACC-02-xxP
1x UP/DOWN

Scope of delivery

· Transmitter module incl. battery
· Mounting plate
· Adhesive pad
· Operating manual

Accessories (optional)

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

Models

Product number	Description
RTS22E5002A11-02K	Wall switch for single rocker, Easywave, Format 55 / Format B6
+ RTS34-ACC-01-02P	Single rocker, 1x ON/OFF, Format B6, for RTS22, white
+ RTS34-ACC-01-07P	Single rocker, 1x ON/OFF, Format B6, for RTS22, ivory white
+ RTS34-ACC-02-02P	Single rocker, 1x UP/DOWN, Format B6, for RTS22, white
+ RTS34-ACC-02-07P	Single rocker, 1x UP/DOWN, Format B6, for RTS22, ivory white

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security
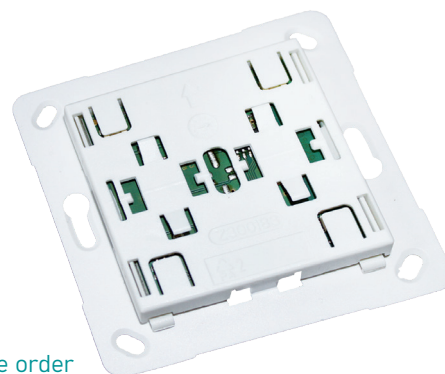
RTS35 Wall switch

Format B6 Double rockers

The RTS35 wall switch from the Format B6 range is a battery-powered wall transmitter that must be surface-mounted in dry rooms. The function of the wall switch is defined by combining it with different rockers.

The transmitter is compatible with the Busch-Jaeger switch range (see compatibility list). The transmitter module is combined with the desired rocker, 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.

Please order the rockers separately!

RTS23E5004A11-02K

Technical specifications

Coding	Easywave
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)
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	Rockers: 31/63/8 mm Mounting plate: 71/71/1.8 mm
Weight	24 g (including battery)
Color	white similar RAL 9003 ivory white similar RAL 1013

Rockers

RTS35-ACC-01-xxP
2x ON/OFF

RTS35-ACC-02-xxP
2x UP/DOWN

RTS35-ACC-03-xxP
1x UP/STOP/DOWN

Scope of delivery

· Transmitter module incl. battery
· Mounting plate
· Adhesive pad
· Operating manual

Accessories (optional)

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

Models

Product number	Description
RTS23E5004A11-02K	Wall switch for double rockers, Easywave, Format 55 / Format B6
+ RTS35-ACC-01-02P	Double rockers, 2x ON/OFF, Format B6, for RTS23, white
+ RTS35-ACC-01-07P	Double rockers, 2x ON/OFF, Format B6, for RTS23, ivory white
+ RTS35-ACC-02-02P	Double rockers, 2x UP/DOWN, Format B6, for RTS23, white
+ RTS35-ACC-02-07P	Double rockers, 2x UP/DOWN, Format B6, for RTS23, ivory white
+ RTS35-ACC-03-02P	Double rockers, 1x UP/STOP/DOWN, Format B6, for RTS23, white
+ RTS35-ACC-03-07P	Double rockers, 1x UP/STOP/DOWN, Format B6, for RTS23, ivory white

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RTS07 Radio time switch
UP/STOP/DOWN

The RTS07 radio time switch is battery-powered and de-signed to be mounted indoors. It controls Easywave re-ceivers depending on time and brightness settings.

The time switch has four individually coded radio channels enabling it to 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 light sensor.

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

RTS07E5004-01-02K

Technical specifications

Coding	Easywave
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
Operating temperature	0 °C to +50 °C
Dimensions (W/L/H)	80/80/16 mm
Weight	50 g (including battery)
Color	white similar RAL 9003

Scope of delivery

· Radio time switch
· Battery
· Adhesive pad
· Operating manual

Accessories (optional)

SL01E5001-01-01K	Light sensor, white

Models

Product number	Description
RTS07E5004-01-02K	Radio time switch, Easywave, 4x UP/STOP/DOWN, white

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RTS03 Built–in transmitter

multifunction

Two standard buttons, two switches or one blind switch can be connected to the RTS03 built–in transmitter.

This turns conventional switch programs into radio switches and can therefore operate Easywave receivers.

Due to the small size, installation directly in a flush–mounted box is possible without any problems.

The transmitter is powered either via the built–in battery or wired with 3V DC.

One version for everything:
Compatible with all Easywave operating modes!

RTS03E5002C01-K

Technical specifications

Coding	Easywave
Frequency	868.30 MHz
Channels	2
Transmission time	max. 36 seconds
Range	typically 150 m in good free-field conditions
Power supply	1x 3V-battery, CR2032 or 3 V DC wired
Operation	by connected button/switch
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	33/36/14.5 mm
Weight	10 g

Wiring diagram
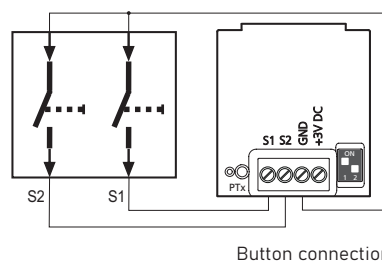
Button connection

Switch connection

Scope of delivery

· Built–in transmitter
· Battery
· Operating manual
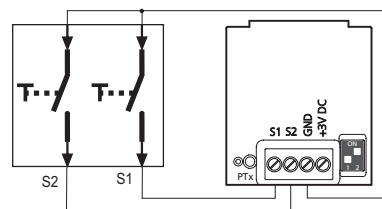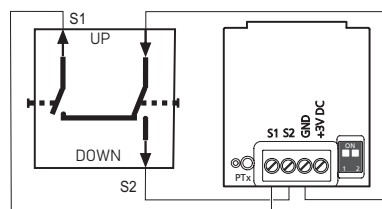
Blind switch connection

Models

Product number	Description
RTS03E5002C01-K	Built–in transmitter, Easywave, 2x PULSE | 2x ON/OFF | 1x UP/STOP/DOWN, white

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RTS39 Flush–mounted transmitter
230 V

ELDAT
Easywave

Up to two 230 V buttons or two 230 V switches can be con–
nected to the RTS39 stationary transmitter.

This allows any commercially available 230V button or
230V switch, to switch Easywave radio receivers via radio
without any complex rewiring.

The flat design facilitates installation in flush–mounted
sockets, behind switches or behind push buttons.

RTS39E5002D01-K

Technical specifications

Coding	Easywave
Frequency	868.30 MHz
Channels	2
Transmission time	max. 36 seconds
Range	typically 150 m in good free-field conditions
Power supply	230 V AC, 50 Hz
Power consumption	max. 0.43 W 0.1 W Standby
Operation	by connected button/switch
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	43/42/17.5 mm
Weight	32 g

Scope of delivery

· Flush–mounted transmitter
· Operating manual

Wiring diagram

Switch connection
S1, S2: ON/OFF
(2–button operation)

Button connection
S1, S2: ON/OFF
(1–button operation)

Motor control button connection
S1: UP, S2: DOWN
(2–button operation)
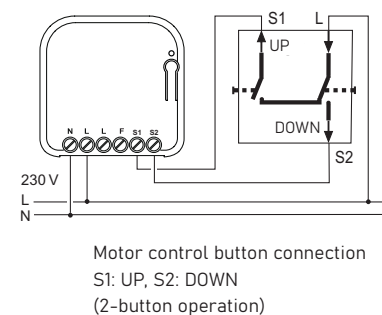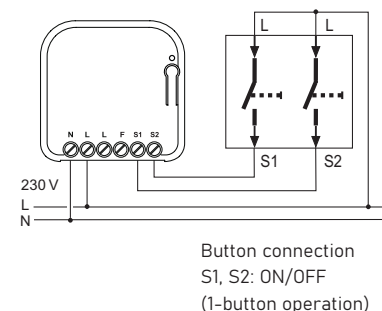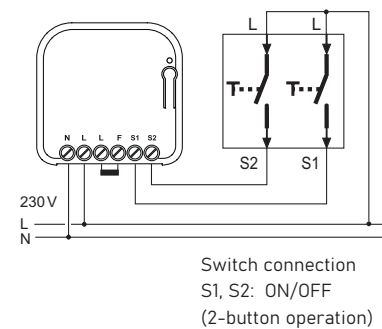
Models

Product number	Description
RTS39E5002D01–K	Flush–mounted transmitter, Easywave, 2x ON/OFF	2x PULSE, 230V

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RTS17 Built-in transmitter
PULSE

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 RCP24 radio bell.
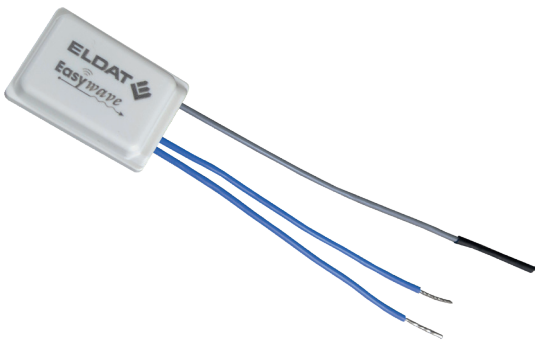
RTS17E5001A01-K

Technical specifications

Coding	Easywave
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
Transmission current	approx. 11 mA
Operation	via the connected power source
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	18/26,5/12 mm (without connecting wires)
Weight	5 g

Wiring diagram

antenna
gray

power supply

blue

blue

A
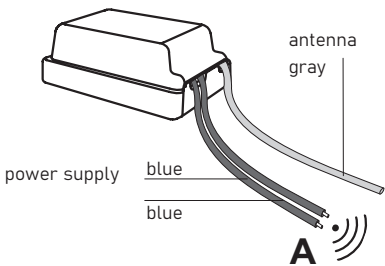
Scope of delivery
· Built-in transmitter
· Operating manual

Models

Product number	Description
RTS17E5001A01-K	Built-in transmitter, Easywave, 1x PULSE, 5–24V AC / 6–32V DC

RTS41 Surface-mounted transmitter

Telephone call forwarding

ELDAT
Easywave

The RTS41 stationary transmitter is used to forward an analogue telephone call signal to an external Easywave receiver, such as RCP24, RCP25 or RCJ32.

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	Easywave
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 (W/L/H)	70/64/35 mm
Weight	32 g
Color	white similar 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

RCP24
RCP25

N F
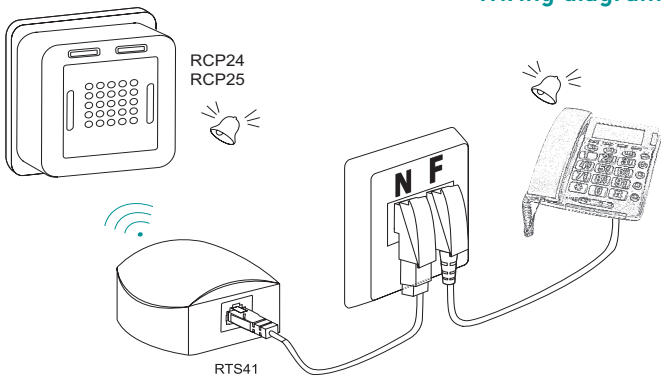
RTS41

Models

Product number	Description
RTS41E5001-01-01K	Surface-mounted transmitter, Easywave, 1x PULSE, telephone call forwarding, TAE-N, white

---

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RTS43 Surface-mounted transmitter
ON/OFF | PULSE

ELDAT
Easywave

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 transmitters 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 good free-field conditions.

RTS43E5002Axx-01K

Technical specifications

Coding	Easywave
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	by connected button/switch
Protection degree	IP65
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	162/70/38 mm
Weight	200 g

Wiring diagram

230 V

L N L S1 L S2

230 V
L
N

RTS43E5002A01

12-24 V

+ –

IN1 IN2 O S1 O S2

12-24 V
AC/DC

~ +
−
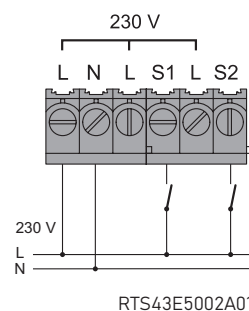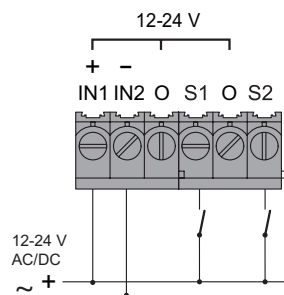
RTS43E5002A02

Scope of delivery

· Surface-mounted transmitter
· Mounting kit
· Operating manual

Accessories (optional)

ACC-CON-05-21P	Jumper 13 mm black grid 2.54

Models

Product number	Description
RTS43E5002A01-01K	Surface-mounted transmitter, Easywave, 2x ON/OFF	2x PULSE, 230V, high range, white
RTS43E5002A02-01K	Surface-mounted transmitter, Easywave, 2x ON/OFF	2x PULSE, 12-24V, high range, white

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RECEIVERS

RCJ31 Flush–mounted receiver

230 V normally open

The bidirectional RCJ31 flush-mounted receiver is de-signed for direct switching of mains voltage devices. Up to 32 transmitters can be programmed.

In addition, a button input is available for local wired op-eration.

Programming is simply done on the device by pressing a button or via radio using remote programming (POTA).

In addition to the ON/OFF function, the operating modes LOGIC, DEAD MAN and TIMER (adjustable from 1 second to 30 hours) can be used.

The flat design facilitates installation in flush–mounted sockets, behind switches or behind sockets.

RCJ31EN5001A01–K

Technical specifications

Coding	Easywave neo Up to 32 transmitters can be programmed. POTA
Frequency	868.30 MHz
Channels	1
Power supply	230 V AC, 50 Hz
Power consumption	0.4 W standby 0.8 W relay switched (without load)
Operating modes	ON/OFF (2–button operation) ON/OFF (1–button operation) TIMER (adjustable) LOGIC DEAD MAN
Input	1 external button
Output	1 potential–loaded relay contact (normally open)
Maximum contact load – resistive load cosφ = 1.0 – inductive load cosφ = 0.8	 10 A / 2,300 VA 3 A / 690 VA
Operating temperature	–20 °C to +45 °C
Dimensions (W/L/H)	43/42/17.5 mm

Wiring diagram

Scope of delivery

· Flush–mounted receiver
· Operating manual

Models

Product number	Description
RCJ31EN5001A01–K	Flush–mounted receiver, Easywave neo, 230 V, 1x normally open, potential–loaded, button input

---

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RCJ32 Flush-mounted receiver

230 V changeover potential-free

The bidirectional RCJ32 flush-mounted receiver is designed for switching low- or mains- voltage devices with a potential-free changeover contact. Up to 32 transmitters can be programmed.

In addition, a button input is available for local wired operation.

Programming is simply done on the device by pressing a button or via radio using remote programming (POTA).

In addition to the ON/OFF function, the operating modes LOGIC, DEAD MAN and TIMER (adjustable from 1 second to 30 hours) can be used.

The flat design facilitates installation in flush-mounted sockets, behind switches or behind sockets.
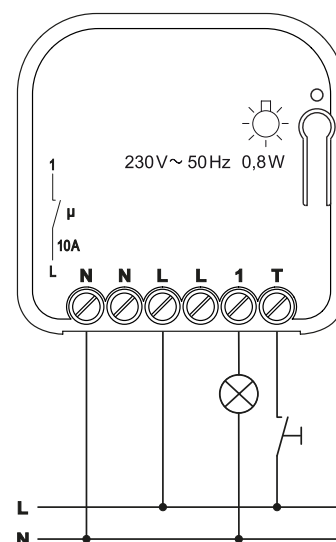
RCJ32EN5001A01-K

Technical specifications

Coding	Easywave neo Up to 32 transmitters can be programmed. POTA
Frequency	868.30 MHz
Channels	1
Power supply	230 V AC, 50 Hz
Power consumption	0.3 W standby 0.8 W relay switched (without load)
Operating modes	ON/OFF (2-button operation) ON/OFF (1-button operation) TIMER (adjustable) LOGIC DEAD MAN
Input	1 external button
Output	1 potential-free relay contact (changeover)
Maximum contact load	resistive load normally open (NO): 10 A / 2,300 VA normally closed (NC): 6 A / 1.380 VA inductive load normally open (NO): 3 A / 690 VA normally closed (NC): 2 A / 460 VA
Operating temperature	–20 °C to +45 °C
Dimensions (W/L/H)	43/42/17.5 mm

Wiring diagram

Scope of delivery

· Flush-mounted receiver
· Operating manual

Models

Product number	Description
RCJ32EN5001A01-K	Flush-mounted receiver, Easywave neo, 230V, 1x changeover, potential-free, button input

---

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RCJ33 Flush–mounted receiver

12–24 V changeover potential–free

The bidirectional RCJ33 flush–mounted receiver is designed for switching low-voltage devices with a potential-free changeover contact. Up to 32 transmitters can be programmed.

In addition, a button input is available for local wired operation.

Programming is simply done on the device by pressing a button or via radio using remote programming (POTA).

In addition to the ON/OFF function, the operating modes LOGIC, DEAD MAN and TIMER (adjustable from 1 second to 30 hours) can be used.

The flat design facilitates installation in flush–mounted sockets, behind switches or behind sockets.
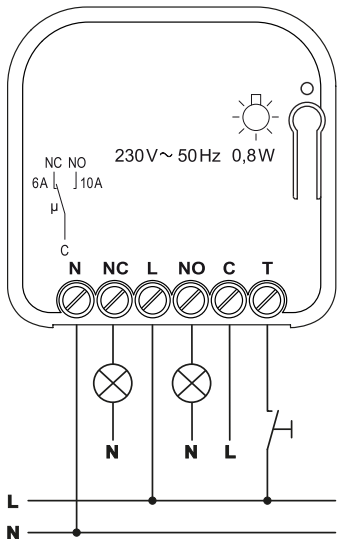
RCJ33EN5001A01–K

Technical specifications

Coding	Easywave neo Up to 32 transmitters can be programmed. POTA
Frequency	868.30 MHz
Channels	1
Power supply	12–24 V AC/DC
Power consumption	0.2 W standby 1.0 W relay switched (without load)
Operating modes	ON/OFF (2–button operation) ON/OFF (1–button operation) TIMER (adjustable) LOGIC DEAD MAN
Input	1 external button
Output	1 potential–free relay contact (changeover)
Maximum contact load – AC – DC	 60 V / 1 A / 60 VA 30 V / 1 A / 30 VA
Operating temperature	–20 °C to +45 °C
Dimensions (W/L/H)	43 / 42 / 17.5 mm

Wiring diagram

Scope of delivery

· Flush–mounted receiver
· Operating manual

Models

Product number	Description
RCJ33EN5001A01–K	Flush–mounted receiver, Easywave neo, 12–24V, 1x changeover, potential–free, button input

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RECEIVERS

RCJ34 Flush–mounted receiver

230 V 2–channel normally open

RCJ34EN5002A01-K

With the bidirectional RCJ34 flush–mounted receiver, two non–floating outputs can be switched independently of one another with Easywave transmitters.

In addition, the outputs can also be controlled separately on site via the two existing button inputs.

The operating modes available are the ON/OFF function in 1–button and 2–button operation, as well as the DEAD MAN function.

Programming is simply done on the device by pressing a button or via radio using remote learning (POTA).

The flat design facilitates installation in flush–mounted sockets, behind switches or behind sockets.

Technical specifications

Coding	Easywave neo Up to 32 transmitters can be programmed. POTA
Frequency	868.30 MHz
Channels	2
Power supply	230 V AC, 50 Hz
Power consumption	0.4 W standby 0.8 W relay switched (without load)
Operating modes	ON/OFF (2–button operation) ON/OFF (1–button operation) DEAD MAN
Inputs	2 external buttons
Outputs	2 potential–loaded relay contacts (normally open)
Maximum contact load	
– resistive load cosϕ = 1.0	5,0 A / 1.150 VA
– inductive load cosϕ = 0.8	3.0 A / 690 VA
Operating temperature	–20 °C to +45 °C
Dimensions (W/L/H)	43/42/17.5 mm
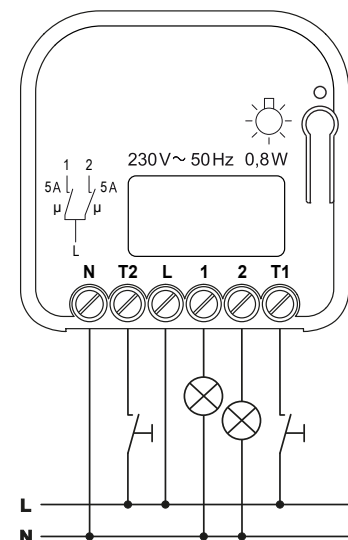
Wiring diagram

Scope of delivery

· Flush–mounted receiver
· Operating manual

Models

Product number	Description
RCJ34EN5002A01–K	Flush–mounted receiver, Easywave neo, 230V, 2x normally open, potential–loaded, button input

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RCJ35 Flush–mounted receiver
230 V Motor

With the bidirectional RCJ35 flush–mounted receiver, a 230V tubular motor can be controlled by Easywave transmitters or via button inputs.

The running time of the motor can be set separately for each direction.

The operating modes available are the 1–button, 2–button and 3–button operation.

The 2–button and 3–button operation modes can also be set as blind operation with slat adjustment.

Programming is simply done on the device by pressing a button or via radio using remote learning (POTA).

The flat design facilitates installation in flush–mounted sockets, behind switches or behind sockets.

RCJ35EN5001A01–K

Technical specifications

Coding	Easywave neo Up to 32 transmitters can be programmed. POTA
Frequency	868.30 MHz
Channels	1
Power supply	230 V AC, 50 Hz
Power consumption	0.4 W standby 0.8 W relay switched (without load)
Operating modes	SEQUENCE (1–button operation) UP/DOWN (2–button operation) UP/STOP/DOWN (3–button operation) slat adjustment (2–button and 3–button)
Inputs	2 external button
Outputs	2 potential–loaded relay contacts (normally open)
Maximum contact load – resistive load cosφ = 1.0 – inductive load cosφ = 0.8	 5,0 A / 1.150 VA 3.0 A / 690 VA
Operating temperature	–20 °C to +45 °C
Dimensions (W/L/H)	43/42/17.5 mm

Wiring diagram

Scope of delivery
· Flush–mounted receiver
· Operating manual

Models

Product number	Description
RCJ35EN5001A01–K	Flush–mounted receiver, Easywave neo, 230V, 1x motor, potential–loaded, button input

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RCJ14 Flush-mounted dimmer

230 V

ELDAT
Easywave

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. POTA (only 2-button operation)
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 by external button (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 – resistive load – inductive load – LED + ESL – capacitive load	 250 W 20 – 250 VA 7 – 100 VA 250 VA
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	48/48/25 mm

Wiring diagram

Scope of delivery

· Flush-mounted dimmer
· Operating manual

Models

Product number	Description
RCJ14E5001-01-23K	Flush-mounted dimmer, Easywave, 230V, 1x dimming, potential-loaded, button input
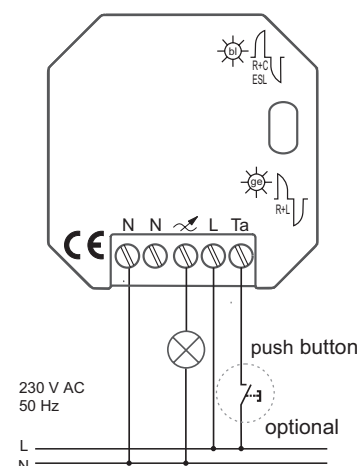
RCJ18 Flush-mounted dimmer
12–48 V DC LED strips

With the RCJ18, LEDs or LED strips with a supply voltage of 12–48 V DC can be dimmed or switched wirelessly.

The supply voltage corresponds to the voltage at the dimmed output, which can be loaded with up to 8 A.

It is operated using Easywave radio transmitters or an external button connected to the dimmer.

Dimming can be carried out either with or without memory function.

As an alternative, each transmitter can be assigned its own fixed dimming value.

RCJ18E5001A01-23K

Technical specifications

Coding	Easywave Up to 32 transmitters can be programmed. POTA (only 2-button operation)
Frequency	868.30 MHz
Channels	1
Power supply	12–48 V DC SELV
Power consumption	0.5 W standby
Connected load	max. 384 W at 48 V DC
Output load	LED strips up 8 A
Operating modes	dim with memory (2- and 1-button operation) dim without memory (2- and 1-button operation) dim by external button (1-button operation) control fixed brightness levels (2- and 1-button operation)
Input	external mechanical button
Output	electronic switch
Operating temperature	0 °C to +40 °C
Dimensions (W/L/H)	48/48/25 mm

Wiring diagram

Ta - D + +

push button
(optional)

12 - 48 V DC

Scope of delivery

· Flush-mounted dimmer
  for LED strips
· Operating manual

Models

Product number	Description
RCJ18E5001A01-23K	Flush-mounted dimmer, Easywave, 12–48VDC, 1x dimming (LED-Strips), potential-loaded, button input

RCJ15 Flush-mounted receiver
heating control

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

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

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

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

RCJ15E5001-01-23K

Technical specifications

Coding	Easywave 1x ST01 and max. 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
Output	1 potential-loaded relay contact (normally open)
Maximum contact load – resistive load cosφ = 1.0	10.0 A / 2,300 VA
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	48/48/25 mm

*) The following window contacts are compatible:
RTS16E5001B02 OFF/ON
RTS16E5001-02   OFF/ON, STATUS
RTS16E5001A02 OFF/ON, STATUS
RTS26E5001B03 OFF/ON
RTS26E5001A03 OFF/ON, STATUS
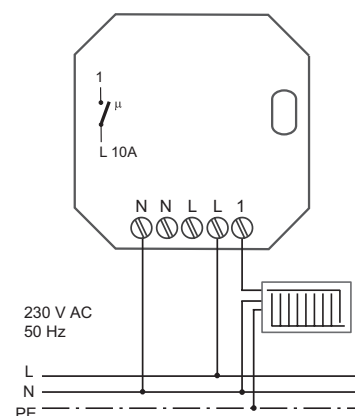
Wiring diagram

Scope of delivery

· Flush-mounted receiver
· Operating manual

Models

Product number	Description
RCJ15E5001-01-23K	Flush-mounted receiver, Easywave, 230V, 1x normally open, potential-loaded, heating control PWM/ON/OFF

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RCR02 DIN-Rail receiver
230 V ON/OFF 2-channel

The bidirectional RCR02 2-channel DIN rail receiver is used for potential-free activation of two mains power devices, and can be paired with 1-button and 2-button operation transmitters. 32 transmission codes can be paired with each switching output.

In addition, an Easywave neo server can be programmed into the receiver in order to use the bidirectional functionalities.

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

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

RCR02EN5002A01-29K

Technical specifications

Coding	Easywave neo 32 transmitters can be programmed per output
Frequency	868.30 MHz
Channels	2
Power supply	230 V AC, 50 Hz
Power consumption	0.4 W standby 1.2 W max. without load
Operating modes	ON/OFF (1-button operation) ON/OFF (2-button operation) PULSE TIMER fixed (3 and 7 minutes) TIMER individual (each transmitter) TIMER global (each output) DEAD MAN LOGIC (2-button operation)
Outputs	2 potential-free relay contacts (normally open)
Maximum contact load – resistive load – inductive load	 16.0 A / 3.680 VA 3.0 A / 690 VA
Operating temperature	–20 °C to +45 °C
Dimensions (W/L/H)	35/90/63 mm

Wiring diagram

Scope of delivery

· DIN-Rail receiver
· Operating manual

Accessories (optional)

ACC-ANT50-03-21P — External antenna, 868MHz, 5 m coaxial cable, clamp connection, magnetic base

Models

Product number	Description
RCR02EN5002A01-29K	DIN-Rail receiver, Easywave neo, 230V, 2x normally open, potential-free

---

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RCR02 DIN-Rail receiver
230 V ON/OFF 4-channel

The bidirectional RCR02 4-channel DIN rail receiver is used for potential-free activation of four mains power devices, and can be paired with 1-button and 2-button operation transmitters. 32 transmission codes can be paired with each switching output.

In addition, an Easywave neo server can be programmed into the receiver in order to use the bidirectional functionalities.

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

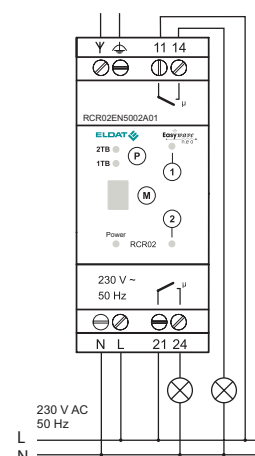The device is suitable for mounting to a standard DIN rail (35 x 7.5 mm).

RCR02EN5004A01-29K

Technical specifications

Coding	Easywave neo
	32 transmitters can be programmed per output
Frequency	868.30 MHz
Channels	4
Power supply	230 V AC, 50 Hz
Power consumption	0.4 W standby
	1.9 W max. without load
Operating modes	ON/OFF (1-button operation)
	ON/OFF (2-button operation)
	PULSE
	TIMER fixed (3 and 7 minutes)
	TIMER individual (each transmitter)
	TIMER global (each output)
	DEAD MAN
	LOGIC (2-button operation)
Outputs	2 potential-free relay contacts (normally open)
	2 potential-free relay contacts (changeover)
Maximum contact load	
– resistive load	16.0 A / 3.680 VA
– inductive load	3.0 A / 690 VA
Operating temperature	–20 °C to +45 °C
Dimensions (W/L/H)	71/90/63 mm

Wiring diagram

Scope of delivery
· DIN-Rail receiver
· Operating manual

Accessories (optional)

ACC-ANT50-03-21P — External antenna, 868MHz, 5 m coaxial cable, clamp connection, magnetic base

Models

Product number	Description
RCR02EN5004A01-29K	DIN-Rail receiver, Easywave neo, 230V, 2x normally open + 2x changeover, potential-free

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RCR03 DIN-Rail receiver
230 V motor 2-channel

The bidirectional 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.

In addition, an Easywave neo server can be programmed into the receiver in order to use the bidirectional functionalities.

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

RCR03EN5002A01-29K

Technical specifications

Coding	Easywave neo 32 transmitters can be programmed per output
Frequency	868.30 MHz
Channels	2
Power supply	230 V AC, 50 Hz
Power consumption	0.4 W standby 1.0 W max. without load
Operating modes	UP/STOP/DOWN (3-button operation, slat adjustment possible)
	UP/DOWN (2-button operation, Stop with opposite direction, slat adjustment possible)
	POSITION
	DEAD MAN
Outputs	2 outputs with 2 relay contacts each
Maximum contact load – resistive load cosφ = 1.0 – inductive load cosφ = 0.8	6.0 A / 1,500 VA 4.8 A / 1,200 VA
Operating temperature	–20 °C to +45 °C
Dimensions (W/L/H)	35/90/63 mm

Wiring diagram

Scope of delivery
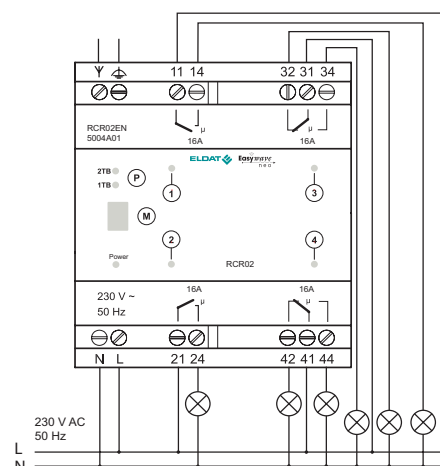
· DIN-Rail receiver
· Operating manual

Accessories (optional)

ACC-ANT50-03-21P external antenna, 868MHz, 5 m coaxial cable, clamp connection, magnetic base

Models

Product number	Description
RCR03EN5002A01-29K	DIN-Rail receiver, Easywave neo, 230V, 2x motor, potential-loaded

RCR03 DIN-Rail receiver

230 V motor 4-channel

The bidirectional 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.

In addition, an Easywave neo server can be programmed into the receiver in order to use the bidirectional functionalities.

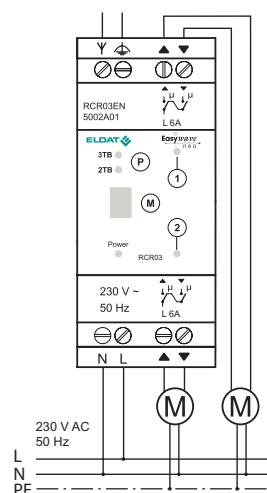The device is suitable for mounting to a standard DIN rail (35 x 7.5 mm).

RCR03EN5004A01-29K

Technical specifications

Coding	Easywave neo 32 transmitters can be programmed per output
Frequency	868.30 MHz
Channels	4
Power supply	230 V AC, 50 Hz
Power consumption	0.4 W standby 1.2 W max. without load
Operating modes	UP/STOP/DOWN (3-button operation, slat adjustment possible) UP/DOWN (2-button operation, Stop with opposite direction, slat adjustment possible) POSITION DEAD MAN
Outputs	4 potential-free outputs with 2 relay contacts each
Maximum contact load – resistive load cosφ = 1.0 – inductive load cosφ = 0.8	 6.0 A / 1,500 VA 4.8 A / 1,200 VA
Operating temperature	–20 °C to +45 °C
Dimensions (W/L/H)	71/90/63 mm

Wiring diagram

Scope of delivery

- DIN-Rail receiver
- Operating manual

Accessories (optional)

ACC-ANT50-03-21P	external antenna, 868MHz, 5 m coaxial cable, clamp connection, magnetic base

Models

Product number	Description
RCR03EN5004A01-29K	DIN-Rail receiver, Easywave neo, 230V, 4x motor, potential-free

RCU08 Surface-mounted receiver

230 V ON/OFF 2-channel

The splash protected surface-mounted receiver RCU08 is used for potential-free activation of two mains power devices, and can be controlled with 1-button and 2-button operation transmitters.

Additionally, an Easywave neo server can be programmed into the receiver in order to use bidirectional functionalities.

For local operation, two external buttons can be connected.

The receiver can be operated in ON/OFF, PULSE and DEAD MAN mode. The ON/OFF mode also provides adjustable TIMER functions and a LOGIC function.

RCU08EN5002A01-K

Technical specifications

Coding	Easywave neo 32 transmitters can be programmed per output
Frequency	868.30 MHz
Channels	2
Power supply	230 V AC, 50 Hz
Power consumption	0.9 W standby 2.3 W max. without load
Operating modes	ON/OFF (1-button operation) ON/OFF (2-button operation) PULSE TIMER fixed (3 and 7 minutes) TIMER individual (each transmitter) TIMER global (each output) DEAD MAN LOGIC (2-button operation)
Inputs	2 external buttons
Outputs	2 potential-free relay contacts 1x normally open, 1x changeover
Maximum contact load – ohmic load – inductive load	 10 A / 2,300 VA 3 A / 690 VA
Protection degree	IP66 (in delivery condition)
Operating temperature	–20 °C to +45 °C
Dimensions (W/L/H)	180/94/58 mm

Wiring diagram
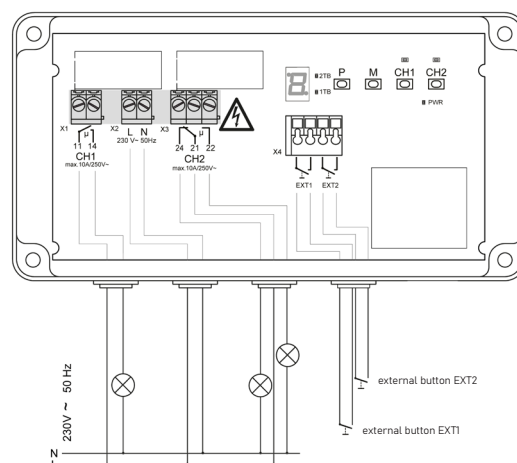
Scope of delivery

· Surface-mounted receiver
· Operating manual

Models

Product number	Description
RCU08EN5002A01-K	Surface-mounted receiver, Easywave neo, 230V, 1x normally open + 1x changeover, potential-free, IP66

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RCH01 Radio control
for heating circuits 230 V

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 programmed.
Frequency	868.30 MHz
Channels	5
Power supply	230 V AC, 50 Hz
Power consumption	max. 0.5 W
Operating modes	Heating circuit control
Outputs	5 electronic switching outputs 1 relay contact (pump)
Total load	max. 20 W per output
Maximum contact load	
Valve actuators	transistor control (Only ohmic load permitted!)
Output 1–4	max. 4 valve actuators per output
Output 5	max. 2 valve actuators
Pump – resistive load cosφ = 1.0 – inductive load cosφ = 0.8	5.0 A / 1,150 VA 4.0 A / 920 VA
Protection degree	IP55 (in delivery condition)
Operating temperature	0 °C to +60 °C
Dimensions (W/L/H)	180/94/57 mm

Wiring diagram

Scope of delivery

- Radio control
- Mounting material
- Operating manual

Accessories (optional)

ACC-ANT50-03-21P   external antenna, 868MHz, 5 m coaxial cable, clamp connection, magnetic base

Models

Product number	Description
RCH01E5005-01-29K	Radio control for heating circuits, Easywave, 230V, 5x thermostats + circulation pump, potential loaded

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security
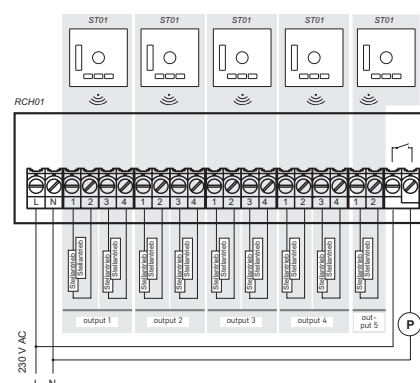
RCA04 Radio access control
230 V

ELDAT
Easywave

The radio access control RCA04 is used for potential free control of door openers or gate controls in applications with a large number of users.

Up to 999 transmission codes can be managed for operation. Programming is menu–driven via a display. When the code of a programmed transmitter is received, the relay output emits a tunable PULSE.

Each memory location can be locked, unlocked or deleted separately without having access to the associated transmitter.

All saved transmission codes and memory location settings can be backed up to a micro SD card.

The access control can be protected against unauthorized use with a 3-digit PIN code.

RCA04E5001A01-29K

Technical specifications

Coding	Easywave Up to 999 transmitters can be programmed.
Frequency	868.30 MHz
Channels	1
Power supply	230 V AC, 50 Hz
Power consumption	1.3 W standby
Operating modes	PULSE (hold time 0.5–998 s, retriggerable) DEAD MAN
Output	1 potential-free relay contact (changeover)
Maximum contact load	
– resistive load	16.0 A / 3,680 VA
– inductive load	3.0 A / 690 VA
Protection degree	IP55 (in delivery condition)
Operating temperature	–20 °C to +50 °C
Dimensions (W/L/H)	130/94/57 mm

Wiring diagram

μ

NO NC COM   L   N

230 V AC
50 Hz

L
N
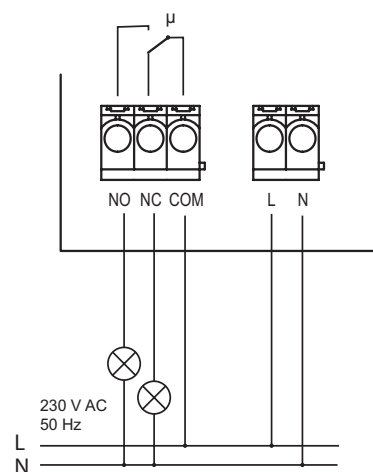
Scope of delivery
· Access control
· Mounting material
· Operating manual

Accessories (optional)

ACC-ANT50-03-21P   external antenna, 868MHz, 5 m coaxial cable, clamp connection, magnetic base

Models

Product number	Description
RCA04E5001A01-29K	Radio access control, Easywave, 230V, 1x changeover, potential-free, 999 memory slots, IP55

RCL03 Mini receiver
12-24 V AC/DC 2-channel

ELDAT
Easywave

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.

RCL03E5002B01

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	DEAD MAN ON/OFF (2-button operation) PULSE (1 second) ROLLER BLIND MOTOR CONTROL (2-button operation) ROLLER BLIND MOTOR CONTROL (3-button operation)
Inputs	2 external buttons
Outputs	2 potential-free relay contacts (changeover)
Maximum contact load – AC – DC	 24 V / 1 A / 24 VA 30 V / 1 A / 30 W
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	70/64/35 mm
Color	white similar RAL 9003

Wiring diagram

14 11 12 24 21 22   VIN1 VIN2

DEAD MAN, ON/OFF, PULSE

14 11 12 24 21 22   VIN1 VIN2

12-32V DC

MOTOR CONTROL

T1 T2 VIN1 VIN2

EXTERNAL BUTTONS

Scope of delivery

· Mini receiver
· Adhesive pad
· Operating manual

Models

Product number	Description
RCL03E5002B01	Mini receiver, Easywave, 12-24 V, 2x changeover, potential-free, white

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RCL04 Mini receiver
12–24 V AC/DC 2-channel IP65

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..

RCL04E5002B01

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	DEAD MAN ON/OFF (2-button operation) PULSE (1 second) ROLLER BLIND MOTOR CONTROL (2-button operation) ROLLER BLIND MOTOR CONTROL (3-button operation)
Inputs	2 external button
Outputs	2 potential-free relay contacts (changeover)
Maximum contact load – AC – DC	 24 V / 1 A / 24 VA 30 V / 1 A / 30 W
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	72/114/36 mm
Color	white similar RAL 9003

Wiring diagram

DEAD MAN, ON/OFF, PULSE
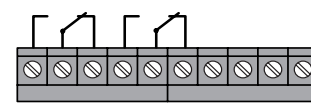
MOTOR CONTROL

EXTERNAL BUTTONS

Scope of delivery

· Mini receiver
· Dowel and screws
· Operating manual

Models

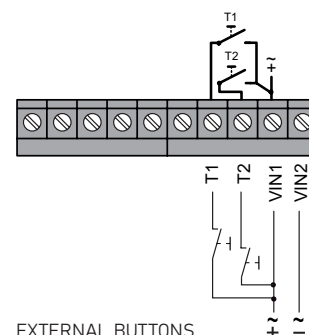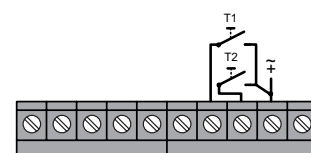| Product number	Description
RCL04E5002B01	Mini receiver, Easywave, 12–24V, 2x changeover, potential-free, IP65, white

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RCL07 Mini receiver

12–24 V DC 2–channel

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.

RCL07E5002A21-02K

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 12 V DC:	19 mA standby 65 mA load (both relays are switched)
24 V DC:	11 mA standby 31 mA load (both relays are switched)
Operating modes	DEAD MAN ON/OFF (2-button operation) PULSE (1 second)
Outputs	2 potential–free relay contacts (1x changeover, 1x normally open) combined
Maximum contact load	DC: 30 V / 1 A / 30 W
Protection degree	IP54 (with installed ø 5,30mm cable)
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	35/80/20 mm
Color	white similar RAL 9003

Wiring diagram
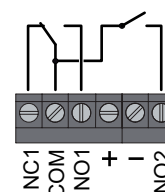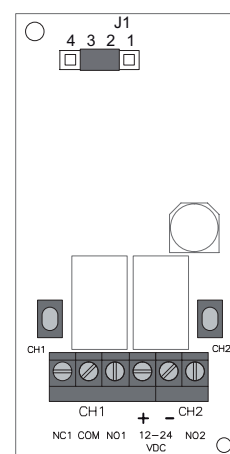
Scope of delivery

· Mini receiver
· Operating manual

Models

Product number	Description
RCL07E5002A21-02K	Mini receiver, Easywave, 12–24VDC, 1x changeover + 1x normally open, potential–free, IP54, white

---

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RCL07 Call receiver
external programming

ELDAT
Easywave

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.

With the care function, the call function can be muted for 15 minutes.

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

RCL07E5002B01-02K

RECEIVERS

Technical specifications

Coding	Easywave Up to 32 CALL, 8 ACKNOWLEDGE and 8 CARE 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 ACKNOWLEDGE function CARE function battery undervoltage detection
Outputs	2 potential–free relay contacts (combined) 1x changeover (call) 1x normally open (battery undervoltage)
Maximum contact load	DC: 30 V / 1 A / 30 W
Protection degree	IP54 (with installed ø 5,30mm cable)
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	35/80/20 mm
Color	white similar RAL 9003

Wiring diagram

Scope of delivery

· Call receiver
· Operating manual

Models

Product number	Description
RCL07E5002B01-02K	Call receiver, Easywave, 12–24VDC, potential–free, IP54, battery low, external programming, white

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RCL07 Call receiver
internal programming

ELDAT
Easywave

The call receiver RCL07 signals incoming calls by switch-ing a relay output according to the programmed operating mode.

If the acknowledgment function is activated, calls can be acknowledged via a button on the device or conveniently with a separate radio transmitter.

Weak batteries from learned radio transmitters are sig-naled via the second relay contact.

The call function can be muted for 15 minutes or unlimit-ed, for example to avoid false alarms during daily care or when not in use.

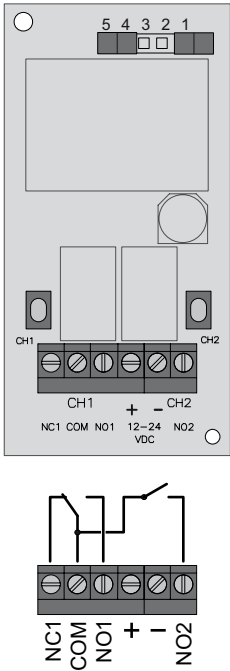The RCL07 is programmed exclusively via the internal op-erating buttons, so that accidental reprogramming is pre-cluded.

RCL07E5002C01

Technical specifications

| Coding	Easywave Up to 32 CALL, 8 ACKNOWLEDGE, 8 CARE and 8 MUTE transmitters can be programmed.
Frequency	868.30 MHz
Channels	2
Power supply	12–24 V DC
Power consumption 12 V DC:	19 mA standby 65 mA load (both relays are switched)
24 V DC:	11 mA standby 31 mA load (both relays are switched)
Functions	CALL function ACKNOWLEDGE function CARE function MUTE function battery undervoltage detection
Outputs	2 potential-free relay contacts (combined) 1x changeover (call) 1x normally open (battery undervoltage)
Maximum contact load	DC: 30 V / 1A / 30 W
Protection degree	IP54 (with installed ø 5,30mm cable)
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	35/80/20 mm
Color	white similar RAL 9003

Wiring diagram

Scope of delivery
· Call receiver
· Operating manual

Models

Product number	Description
RCL07E5002C01	Call receiver, Easywave, 12-24VDC, potential-free, IP54, battery low, internal programming, white

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security
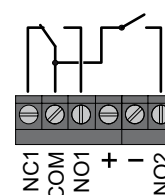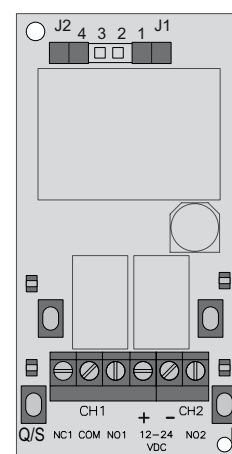
RRP01 MiniPager

With the MiniPager RRP01 calls from up to 64 Easywave transmitters can be received and signaled. The signaling is optical, acoustic and via vibrations. An individual text can be displayed on the MiniPager for each transmitter.

The integrated battery has a running time of approx. 48 hours and is recharged within approx. 3 hours. The battery can be charged using the supplied USB cable or the optionally available charging cradle.

The charging cradle can be expanded by up to 9 elements for the use of several MiniPagers.

A Windows PC is required to configurate the MiniPager.

RRP01E5023A01-K

Technical specifications

Coding	Easywave Up to 64 transmitters can be programmed.
Frequency	868.30 MHz
Display	LCD, 2 x 16 characters
Display resolution	128 x 32 pixel
Power supply	Battery Li-Ion 3.7 V / 750 mAh
Charging interface	USB Mini B or charging cradle
Charging time 0–100%	approx. 3 hours
Runtime	approx. 48 hours when fully charged
Operating temperature	+10 °C to +40 °C
Dimensions (W/L/H)	62/96.5/13.6 mm (without clip)
Weight	approx. 73 g (with clip)
Color	gray

Scope of delivery

· MiniPager
· USB A to USB Mini B cable
· Operating manual

Accessories (optional)

RRP01-ACC-01	Charging cradle base element with plug-in power supply 5 V
RRP01-ACC-02	Charging cradle, extension element, with adhesive strips

RRP01-ACC-01   RRP01-ACC-02

Models

Product number	Description
RRP01E5023A01-K	MiniPager, Easywave, 64 memory slots, display, battery, gray

RCP14 Plug–in socket dimmer

230 V

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 (protective contact plug)
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	1 electronic switch
Maximum contact load	
– resistive 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 (W/L/H)	50/120/75 mm
Color	white similar RAL 9003

Plug system
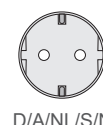
D/A/NL/S/N

Scope of delivery

· Plug–in socket dimmer
· Operating manual

Models

Product number	Description
RCP14E5001–01–01K	Plug–in socket dimmer, Easywave, 230V, D/A/NL/S/N, white

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RCP20 Plug-in socket receiver
ON/OFF

The bidirectional RCP20 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. Optionally, operation is also possible via a button on the receiver.

In addition, an Easywave neo server can be programmed into the receiver in order to use the bidirectional functionalities.

Energy efficient:
The RCP20 consumes only 0.4 W in standby mode.

RCP20EN5001A01–K

Technical specifications

Coding	Easywave neo Up to 32 transmitters can be programmed. POTA
Frequency	868.30 MHz
Channels	1
Power supply	230 V AC, 50 Hz (protective contact plug)
Power consumption	0.4 W standby 0.8 W relay switched (without load)
Operating modes	ON/OFF (2–button operation) ON/OFF (1–button operation) TIMER (1 second to 30 hours adjustable) LOGIC (2–button operation) DEAD MAN
Output	1x protective contact socket (D/A/NL/S/N)
Maximum contact load	16 A / 230 V AC
Operating temperature	–10 °C to +35 °C
Dimensions (W/L/H)	71.4/71.4/75.5 mm
Color	white similar RAL 9003

Plug system

D/A/NL/S/N

Scope of delivery
· Plug-in socket receiver
· Operating manual
· Quick start guide

Models

Product number	Description
RCP20EN5001A01–K	Plug-in socket receiver, Easywave neo, 230V, 1x normally open, potential-loaded, D/A/NL/S/N, white

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RCP22 Plug–in socket receiver
heating control

The RCP22 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 RCP22 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*) (OFF/ON) can be programmed into the receiver in order to stop the heating automatically when a window is opened.

If the radio connection to the temperature sensor is interrupted, the RCP22 goes into emergency mode after 10 hours, thus preventing the room from cooling down too much.
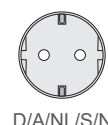
RCP22E5001A01

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 (protective contact plug)
Power consumption	0.2 W standby 0.7 W relay switched (without load)
Operating modes	temperature control PWM ON/OFF
Output	1x protective contact socket (D/A/NL/S/N)
Maximum contact load	16 A / 230 V AC
Operating temperature	–10 °C to +35 °C
Dimensions (W/L/H)	71.4/71.4/75.5 mm
Color	white similar RAL 9003

*) The following window contacts are compatible:

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

Plug system

D/A/NL/S/N

Scope of delivery
· Plug–in socket receiver
· Operating manual

Models

Product number	Description
RCP22E5001A01	Plug–in socket receiver heating, Easywave, 230V, 1x normally open, potential–loaded, D/A/NL/S/N, white

---

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RCP23 Plug–in socket receiver

PULSE

The RCP23 plug–in socket receiver receives transmission codes from programmed Easywave transmitters and triggers an 1-second pulse on the connected device via the pulse output. The pulse can also be triggered via a button on the RCP23.

With the RCP23, it is therefore very easy to retrofit or convert garage door motors with a radio interface.

The RCP23 also comes with a power outlet which is not switched and thus remains fully usable.
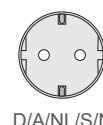
RCP23EK5001A01–K

RECEIVERS

Technical specifications

Coding	Easywave Up to 32 transmitters can be programmed.
Frequency	868.30 MHz
Channels	1
Power supply	230 V AC, 50 Hz (protective contact plug)
Power consumption	0.4 W standby
Operation	PULSE (1 second)
Outputs	1x potential free relay contact (NO) 1x protective contact socket (D/A/NL/S/N)
Maximum contact load	pulse output: 1A / 24 V DC mains voltage (not switchable): 16 A / 230 V AC
Operating temperature	–10 °C to +35 °C
Dimensions (W/L/H)	71.4/71.4/75.5 mm
Color	white similar RAL 9003

Plug system

D/A/NL/S/N

Wiring diagram

pulse

12-24 V DC

230 V AC
50 Hz

Scope of delivery

· Plug-in socket receiver
· Cable (length 150 cm)
· Operating manual
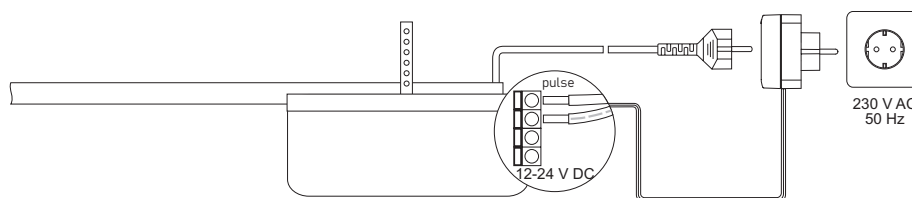
Models

Product number	Description
RCP23EK5001A01–K	Plug-in socket receiver, Easywave, 230V, 1x pulse output, potential–free, D/A/NL/S/N, white

RCP24 Plug–in socket radio bell

The RCP24 plug–in radio bell socket emits a visual and acoustic signal.

When a signal of a programmed Easywave radio transmitter is detected, the ringtone sounds. The ringtone length can be set by the user in the range of approx. 1 second to 1 minute.

In total, 32 transmitters can be programmed, each transmitter is assigned to one of 12 ring tones.

The volume can be adjusted in three stages and, like the ringtone length, applies to all programmed transmitters. An LED flashlight can be switched on as an option.

The RCP24 is also able to evaluate undervoltage telegrams, signalling that the batteries in compatible radio transmitters are too low.

Energy–efficient:
The RCP24 consumes only 0,2 W in standby mode.

RCP24E5001A01–K

Technical specifications

Coding	Easywave Up to 32 transmitters can be programmed.
Frequency	868.30 MHz
Channels	1
Melodies	12
Power supply	230 V AC, 50 Hz (protective contact plug)
Power consumption	0,2 W standby
Volume	at a distance of 30 cm: 80 dB (low) 85 dB (medium) 90 dB (loud)
Operating temperature	–20 °C to +35 °C
Dimensions (W/L/H)	71.4/71.4/75.5 mm
Color	white similar RAL 9003

Scope of delivery
· Plug–in socket radio bell
· Operating manual

Models

Product number	Description
RCP24E5001A01–K	Plug–in socket radio bell, Easywave, 230V, D/A/NL/S/N, 12 melodies, white

---

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RCP25 Plug–in socket pager

The RCP25 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 volume level can be set in 3 stages and applies to all programmed transmitters. An LED flashlight can be switched on as an option.

The RCP25 is also able to evaluate undervoltage telegrams signaling that the batteries in compatible radio transmitters are too low.

Energy–efficient:
The RCP25 consumes only 0,2 W in standby mode.

RCP25E5001A01–K

Technical specifications

Coding	Easywave 32 call codes and 32 acknowledgment codes can be programmed.
Frequency	868.30 MHz
Channels	1
Melodies	12
Power supply	230 V AC, 50 Hz (protective contact plug)
Power consumption	0.2 W standby
Volume	at a distance of 30 cm: 80 dB (low) 85 dB (medium) 90 dB (loud)
Operating temperature	–20 °C to +35 °C
Dimensions (W/L/H)	71.4/71.4/75.5 mm
Color	white similar RAL 9003

Scope of delivery

· Plug–in socket pager
· Operating manual

Models

Product number	Description
RCP25E5001A01–K	Plug–in socket pager, Easywave, 230V, D/A/NL/S/N, white

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RECEIVERS

SENSORS

RTS16 Window contact
ON/OFF | OFF/ON | STATUS

ELDAT
Easywave

The RTS16 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.

Additionally, with each transmission, but at least once a day, the battery will be checked. If the battery capacity is low, a BATTERY LOW signal is sent and the battery status is checked again every 4 hours.

Depending on the version, the following functions are available:

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: All changes in status are retransmitted after 10 seconds and then every 24 hours.

RTS16E5001B0x–41K

RTS16E5001B0x–02K

Technical specifications

Coding	Easywave
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
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	Transmitter module: 65/12/28 mm Magnetic angle: 18/18/13 mm
Weight	22 g (including battery)
Color	white similar RAL 9003 brown similar RAL 8015

Accessories (optional)

Magnetic angle, white
RTS16-ACC-01-02P

Magnetic angle, brown
RTS16-ACC-01-41P

Battery holder, white
RTS16-ACC-02-02P

Scope of delivery

· Window contact
· Battery
· Magnetic angle
· Battery holder
· Mounting kit
· Operating manual

Models

Product number	Description
RTS16E5001B01–02K	Window contact, Easywave, 1x ON/OFF, white
RTS16E5001B01–41K	Window contact, Easywave, 1x ON/OFF, brown
RTS16E5001B02–02K	Window contact, Easywave, 1x OFF/ON, white
RTS16E5001B02–41K	Window contact, Easywave, 1x OFF/ON, brown
RTS16E5001–01–02K	Window contact, Easywave, 1x ON/OFF + STATUS, white
RTS16E5001A01–41K	Window contact, Easywave, 1x ON/OFF + STATUS, brown
RTS16E5001–02–02K	Window contact, Easywave, 1x OFF/ON + STATUS, white
RTS16E5001A02–41K	Window contact, Easywave, 1x OFF/ON + STATUS, brown

SENSORS

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RTS26 Window handle contact
ON/OFF | OFF/ON | STATUS

ELDAT
Easywave

The RTS26 window handle contact is used to monitor the status of windows. Upon opening or closing the window handle, a corresponding radio signal is transmitted.

Additionally, with each transmission, but at least once a day, the battery will be checked. If the battery capacity is low, a BATTERY LOW signal is sent and the battery status is checked again every 4 hours.

Depending on the version, the following functions are available:

ON/OFF: Opening the window handle will transmit an ON signal and closing the handle an OFF signal.

OFF/ON: Opening the window handle will transmit an OFF signal and closing the handle an ON signal.

STATUS: All changes in status are retransmitted after 10 seconds and then every 24 hours.

RTS26E5001B0x–41K

RTS26E5001B0x–06K

Technical specifications

Coding	Easywave
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
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	33/166/8 mm
Weight	34 g (including battery)
Color	white similar RAL 9016 brown similar RAL 8015

Accessories (optional)

Magnetic disc
RTS26-ACC-01-01P

Battery holder, white
RTS26-ACC-02-06P

Battery holder, brown
RTS26-ACC-02-41P

Scope of delivery

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

Models

Product number	Description
RTS26E5001B02–06K	Window handle contact, Easywave, 1x ON/OFF, white
RTS26E5001B02–41K	Window handle contact, Easywave, 1x ON/OFF, brown
RTS26E5001B03–06K	Window handle contact, Easywave, 1x OFF/ON, white
RTS26E5001B03–41K	Window handle contact, Easywave, 1x OFF/ON, brown
RTS26E5001-02–06K	Window handle contact, Easywave, 1x ON/OFF + STATUS, white
RTS26E5001-02–41K	Window handle contact, Easywave, 1x ON/OFF + STATUS, brown
RTS26E5001A03–06K	Window handle contact, Easywave, 1x OFF/ON + STATUS, white
RTS26E5001A03–41K	Window handle contact, Easywave, 1x OFF/ON + STATUS, brown

SENSORS

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

SH01 Radio humidity sensor

Format 55

ELDAT
Easywave

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 again. The receiver can then switch connected devices, 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).

SH01E5002-01-02K

Technical specifications

Coding	Easywave
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)
Thresholds	>74% RH; fast increase of 4% at >40% RH
Function	measuring+transmitting air humidity levels, switching ON/OFF (2-button operation)
Operating temperature	–20 °C to +60 °C

Dimensions (W/L/H)
  Transmitter module
  Mounting plate
  Cover frame
	
	55 / 55 / 9 mm
	71 / 71 / 1.5 mm
	80 / 80 / 9.4 mm

Weight	47 g (including battery and cover frame)
Color	white similar RAL 9003

Scope of delivery

· Radio humidity sensor
· Battery
· Mounting plate
· Cover frame
· Adhesive pad
· Operating manual

Accessories (optional)

RTS22-ACC-01-01P	Mounting plate, white
RTS22-ACC-05	Cover frame, white

RTS22-ACC-01-01P   RTS22-ACC-05

Models

Product number	Description
SH01E5002-01-02K	Radio humidity sensor, Easywave, 2x ON/OFF, Format 55, white

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

SENSORS

RTS40 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 signal to an Easywave radio receiver, depending on the settings. After the set runtime has expired, an OFF-signal is transmitted. There are two product versions 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).

RTS40E5001B01-K
AUTO

RTS40E5001B02-K
ON/OFF/AUTO

Technical specifications

Coding	Easywave
Frequency	868.30 MHz
Channels	1
Range	typically 150 m in good free-field conditions
Power supply	1x 3V-battery, CR2032
Function	motion detection ON/OFF (2-button operation) trigger function
Brightness control	between 1 lx and 150 lx or can be switched off
Run-on time	5 second to 131 minutes; adjustable in stages
Operating temperature	–20 °C to +60 °C

Dimensions (W/L/H)
  Cover
  Mounting plate
  Cover frame
	
	55/55/17.5 mm
	71/71/1,5 mm
	80/80/9.4 mm

Weight	45 g (including battery and cover frame)
Color	white similar RAL 9003

Detection Range

ceiling mounting

wall mounting

~ 3.0 m

4.0 m

4.0 m

~ 3.0 m

SENSORS
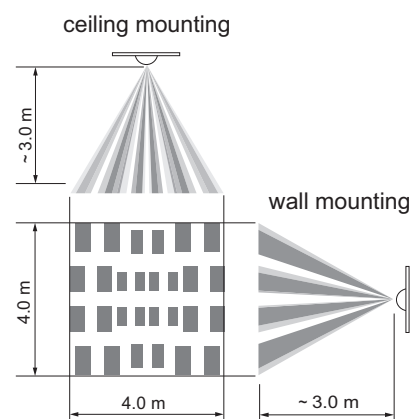
Scope of delivery

· Transmitter module
· Battery
· Mounting plate
· Cover frame
· Adhesive pad
· Operating manual

Accessories (optional)

RTS22-ACC-01-01P	Mounting plate, white
RTS22-ACC-05	Cover frame, white

RTS22-ACC-01-01P

RTS22-ACC-05

Models

Product number	Description
RTS40E5001B01–K	Motion detector, Easywave, Format 55, AUTO, white
RTS40E5001B02-K	Motion detector, Easywave, Format 55, ON/OFF/AUTO, white

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

SM01   Motion detector
outdoor

The SM01 is a wireless and wired motion detector for automatic lighting control based on movement and brightness. It is suitable for wall mounting outdoors.

If a movement is detected while the measured brightness is below the set threshold value, the non–floating 230V relay output of the motion detector switches ON for the set time.

In addition, a radio telegram (Easywave code A) is sent, which can be taught into Easywave receivers. After the set time has elapsed, the relay output of the motion detector switches OFF and Easywave code B is transmitted.

SM01E5001A01-01K

Technical specifications

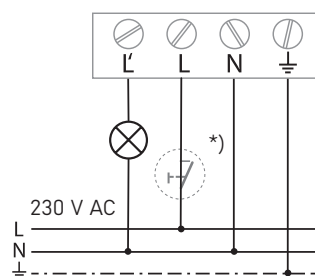|	
Coding	Easywave
Frequency	868.30 MHz
Channels	1
Range	typically 150 m in good free-field conditions
Power supply	230 V AC, 50 Hz
Power consumption	0.8 W standby
Detection angle	180°
Detection area	crosswise max. 12 m, frontal max. 5 m
Brightness control	5 to 1000/∞ Lux
Switching period range	1 second to 20 minutes
Function	motion detection ON/OFF (2–button operation)
Output	1 potential–loaded relay contact (normally open)
Maximum contact load	
LED lamps	<2 W = 25 W | 2–8 W = 90 W | >8 W = 100 W
Incandescent and halogen lamp load	2,300 W
Protection degree	IP55
Operating temperature	–25 °C to +45 °C
Dimensions (W/L/H)	127/85/100 mm
Weight	220 g
Color	white similar RAL 9003

Scope of delivery

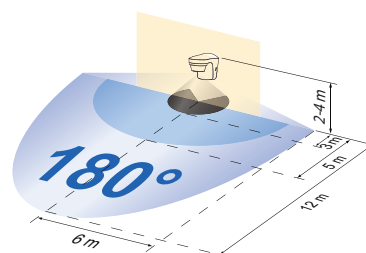· Motion detector
· Mounting material
· Operating manual

Models

Product number	Description
SM01E5001A01–01K	Motion detector outdoor, Easywave, 1x ON/OFF, 230V, 1x normally open, potential–loaded, IP55, white

Wiring diagram

L'   L   N   ⏚

230 V AC

L
N

*) button optional

Detection Range

180°

24 m
3 m
5 m
12 m
6 m

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

ST01　Temperature sensor

heating　Format 55

The ST01 temperature sensor is a battery-powered radio thermostat for regulating room temperatures ranging from approx. 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).

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 separately adjustable set-point temperature.

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	Easywave
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 (only to be used with RCP22 and RCJ15)
Function	measuring + transmitting temperature data daytime operating mode nighttime temperature reduction frost protection
Control range	approx. +14 °C to +25 °C
Operating temperature	–20 °C to +40 °C
Dimensions (W/L/H) 　Cover 　Mounting plate 　Cover frame	 55/55/16.0 mm 71/71/1.5 mm 80/80/ 9.4 mm
Weight	51 g (including batteries and cover frame)
Color	white similar RAL 9003

Scope of delivery

· Temperature sensor
· 2 batteries
· Mounting plate
· Cover frame
· Adhesive pad
· Operating manual

Accessories (optional)

RTS22-ACC-01-01P	Mounting plate, white
RTS22-ACC-05	Cover frame, white

RTS22-ACC-01-01P　　　　RTS22-ACC-05

Models

Product number	Description
ST01E5001-01-02K	Temperature sensor, Easywave, 1x PWM/ON/OFF, heating, Format 55, white

RADIO SYSTEMS:　　Flexibility　|　Convenience　|　Energy efficiency　|　Security

ST02 Temperature sensor

cooling Format 55

ELDAT
Easywave

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

If deviations from the desired set-point temperature are detected, the appropriate switching signals are transmit-ted 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 manu-facturers (see compatibility list).

ST02E5001-01-02K

Technical specifications

Coding	Easywave
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 (2-button operation)
Control range	approx. +14 °C to +25 °C
Operating temperature	–20 °C to +40 °C
Dimensions (W/L/H) Cover Mounting plate Cover frame	55/55/16.0 mm 71/71/1,5 mm 80/80/9.4 mm
Weight	51 g (including batteries and cover frame)
Color	white similar RAL 9003

Scope of delivery

· Temperature sensor
· 2 batteries
· Mounting plate
· Cover frame
· Adhesive pad
· Operating manual

Accessories (optional)

RTS22-ACC-01-01P	Mounting plate, white
RTS22-ACC-05	Cover frame, white

RTS22-ACC-01-01P   RTS22-ACC-05

Models

Product number	Description
ST02E5001-01-02K	Temperature sensor, Easywave, 1x ON/OFF, cooling, Format 55, white

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

STH01 Temperature humidity sensor
Format 55

ELDAT

Easywave neo

The STH01 transmits the current measured values for temperature and humidity every 10 minutes. In addition, the manual transmission of the measured values is possible at any time by pressing the front button.

The transmitted values can then be processed by the APC01 Control Center and used in scenes.

Based on this, for example the room climate can be controlled automatically via the Smarthome Server in connection with thermostats, shutters or fans.

In addition, the STH01 has a battery control function. If the capacity of the battery is low, this is signaled on the device by an LED and transmitted to the Smarthome Server.

The STH01 can not be operated without the Control Center APC01!

STH01EN5001A01-02K

Technical specifications

Coding	Easywave neo
Frequency	868.30 MHz
Channels	1
Range	typically 150 m in good free-field conditions
Power supply	1x 3V-battery, CR2032
Measuring range humidity	20% to 80% RH ±5 % RH
Measuring range temperature	0 °C to +60 °C ±1°C
Measurement transmission	every 10 minutes or when the transmitter button is pressed
Function	measuring and transmitting temperature and air humidity values
Operating temperature	–20 °C to +60 °C

Dimensions (W/L/H)
  Rocker
  Mounting plate
  Cover frame
	
	55/55/9.0 mm
	71/71/1,5 mm
	80/80/9.4 mm

Weight	49 g (including battery and cover frame)
Color	white similar RAL 9003

Scope of delivery

· Temperature humidity sensor
· Battery
· Mounting plate
· Cover frame
· Adhesive pad
· Operating manual

Accessories (optional)

RTS22-ACC-01-01P	Mounting plate, white
RTS22-ACC-05	Cover frame, white

RTS22-ACC-01-01P   RTS22-ACC-05

Models

Product number	Description
STH01EN5001A01-02K	Temperature humidity sensor, Easywave, 1x DATA, for server, Format 55, white

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

SL01   Light sensor

ELDAT

Easywave

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.

If the sensor battery is running low, this is indicated on the display of the RTS07 radio time switch.

SL01E5001-01-01K

Technical specifications

Coding	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 RAL 9003

*) can only be programmed in RTS07

Scope of delivery

· Light Sensor
· Battery
· Adhesive pad
· Operating manual

Accessories (optional)

ACC-TOO-01-23P	Housing key
ACC-SEA-01-00P10	O-ring seal, 10 pieces
ACC-FIX-06-00P10	Adhesive pad, 10 pieces

ACC-TOO-01-23P   ACC-SEA-01-00P10   ACC-FIX-06-00P10

Models

Product number	Description
SL01E5001-01-01K	Light Sensor, Easywave, 1-channel, white

SENSORS

INTERFACES

RXJ03 Flush–mounted repeater
cascadable

The cascadeble RXJ03 flush-mounted repeater receives all radio telegrams from Easywave transmitters and re-transmits them after a delay of approx. 0.3 seconds.

A maximum of 3 repeaters can be used simultaneously in a radio system in order to almost quadruple the range of an Easywave radio transmitter.

The cascading function of the repeater prevents interference and system build-up.

The flush-mounted repeater fits into standard flush-mounted boxes.

RXJ03E5001B01-23K

Technical specifications

Coding	Easywave Up to 32 transmitters can be programmed.
Frequency	868.30 MHz
Transmission delay	270 ms
Range	typically 150 m in good free-field conditions
Power supply	230 V AC, 50 Hz
Power consumption	0.5 W standby
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	48/48/25 mm

Wiring diagram

N   L L

230 V
AC

L
N
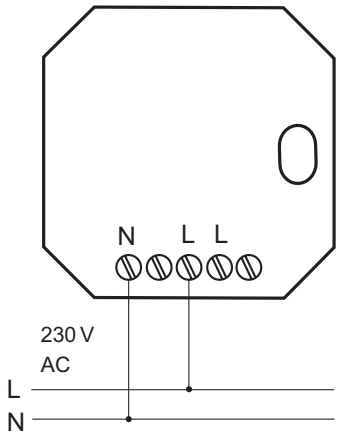
Scope of delivery
· Flush-mounted repeater
· Operating manual

Models

Product number	Description
RXJ03E5001B01-23K	Flush-mounted repeater, Easywave, 230V, cascadable

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RXP05 Plug-in socket repeater

cascadable

ELDAT
Easywave

The cascadable RXP05 plug-in socket repeater receives Easywave radio telegrams and retransmits them after a delay of approx. 0.3 seconds.

A maximum of 3 repeaters can be used simultaneously in a radio system in order to almost quadruple the range of an Easywave radio transmitter.

The cascading function of the repeater prevents interference and system build-up.

The mains output is not switched and thus remains fully usable.

RXP05E50A01-K

Technical specifications

Coding	Easywave Up to 32 transmitters can be programmed.
Frequency	868.30 MHz
Transmission delay	270 ms
Range	typically 150 m in good free-field conditions
Power supply	230 V AC, 50 Hz (protective contact plug)
Power consumption	0.5 W standby
Output	protective contact socket (D/A/NL/S/N)
Maximum contact load	mains voltage (not switchable): 16 A / 230 V AC
Operating temperature	–20 °C to +35 °C
Dimensions (W/L/H)	71.4/71.4/75.5 mm
Color	white similar RAL 9003

Plug system

D/A/NL/S/N

Scope of delivery

· Plug-in socket repeater
· Operating manual

Models

Product number	Description
RXP05E50A01-K	Plug-in socket repeater, Easywave, 230V, cascadable, D/A/NL/S/N, white

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RX09 USB transceiver

ELDAT
Easy*wave*

The Easywave RX09 USB stick is a bidirectional radio mod-ule (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 created 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 various Easywave receivers can be con-trolled. 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 from 1.1)
Coding	Easywave
Frequency	868.30 MHz
Channels	64 / 128
Range	typically 150 m in good free-field conditions
Power supply	via USB port
Operation	via application–specific software
Function	depends on the specific application
Operating temperature	0 °C to +40 °C
Dimensions (W/L/H)	24/75/8 mm
Weight	13 g
Color	white similar RAL 9003

Scope of delivery
· USB transceiver
· Operating manual

Models

Product number	Description
RX09E5026–02–01K	USB transceiver, Easywave, 64 serial numbers
RX09E5031–02–01K	USB transceiver, Easywave, 128 serial numbers

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

APC01 Control Center

server

The Control Center APC01 represents the smart control hub of an Easywave building installation.

The integrated radio module enables the control of up to 128 Easywave, Easywave neo and secwave devices with an Android or Apple smartphone or tablet.

The following functions are available:

· Creating scenes
· Time-controlled execution of switching commands
· Logical linking of sensors and actuators
· Astro function
· Push notifications
· Integration of Amazon Alexa *)
· Weather data as a trigger for scenes
· Remote access
· Heatingcontrol

Individual functions may be chargeable!

APC01ENS5031A01-21K

Technical specifications

Coding	Easywave Easywave neo (server) secwave
Frequency	868.30 MHz
Radio inputs	
Easywave	unlimited
Easywave neo	128
secwave	128
Radio outputs	
Easywave	128
Easywave neo	128
secwave	128
Power consumption	max. 3,5 W (5 V, 2 A)
Interfaces	1x 100 MBit/s BaseT Ethernet port 2x USB Wifi 802.11 b/g/n
Processor	Cortex A7 Quad Core
Main memory	1 GB
Flash	4 GB
Dimensions (W/L/H)	120/120/30 mm
Color	black, mat

Connections

Scope of delivery

· APC01 Control Center
· Ethernet cable (CAT 5)
· Plug-in power supply 230 V
· Operating manual

Models

Product number	Description
APC01ENS5031A01-21K	Easywave Control Center, Easywave neo, server for Easywave CCapp, 128 serial numbers, black

*) Amazon, Alexa and all related logos are trademarks of Amazon.com, Inc. or its affiliates.

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

INTERFACES

APF03 Easywave Fon Alarm
including wristband transmitter

ELDAT
Easywave

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 five freely programmable telephone number one after the other.

If the recipient confirms the call by pressing a button on his phone, a conversation can be carried out using the integrated hands-free function.

The telephone provides persons in need of care with an ideal means of calling for help in "emergency situations".

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

RT26

Fon Alarm

APF03E5000A01-K

Technical specifications

Coding	Easywave 8 transmitters can be programmed.
Frequency	868.30 MHz
Power supply	7,5 V DC (AC adapter included)
Emergency supply	4x AAA rechargeable batteries 1,2V, 600mA (not included)
Connection	analog TAE-F/RJ11
Dimensions (W/L/H)	200/200/87 mm
Color	white

Phone Details

Telephone with large buttons, backlit display and clock

Night light function

Selectable menu language (German, English, French, Italian, Spanish)

Visual call indicator ("telephone ringing" LED)

Adjustable handset volume, tone control is possible

Up to +30 dB volume amplification

Compatible with hearing aids

Adjustable ringtone volume

30 phone book entries possible, 5+10 speed dial buttons

Voice output when button is pressed

Hands-free function

Caller number (CLIP) and call history (20 calls) display

Splash-proof wrist transmitter

30 s pre-recorded or user-recordable message

Scope of delivery

· Fon Alarm telephone
· AC adapter, wall holder
· RJ11/RJ11 telephone cable
· TAE-F/RJ11 telephone plug
· Power supply 7,5 V DC / 0,5 A
· Wristband transmitter RT26 including battery
· Operating manual

Models

Product number	Description
APF03E5000A01-K	Easywave Fon Alarm, phone, wristband transmitter RT26

INTERFACES

RCD22 Radio control
serial interface

The RCD22 transmits and receives Easywave telegrams. It is controlled via an RS232 interface in HEX format. The control and evaluation software has to be created by the user.

Where environmental conditions are unfavorable, the external antenna ACC-ANT50-03-21P can be connected to improve wireless reception. This is not included with the product, but can be ordered separately.

RCD22E5001A02

Technical specifications

Coding	Easywave
Frequency	868.30 MHz
Channels	1
Power supply	230 V AC, 50 Hz
Power consumption	1,5 W standby
Output	RS232 interface
Protection degree	IP66 (when delivered)
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	130/94/57 mm
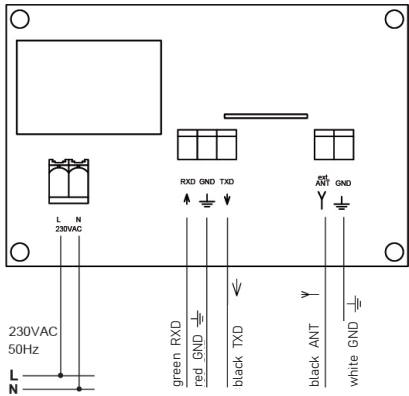
Wiring diagram

Scope of delivery

· Radio control
· Mounting material
· Operating manual

Accessories (optional)

ACC-ANT50-03-21P external antenna, 868MHz, 5m coaxial cable, clamp connection, magnetic base

Models

Product number	Description
RCD22E5001A02	Radio control, Easywave, 230V, RS232 interface

INTERFACES

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RGD03 DALI gateway
200 mA DALI power supply

The Easywave Dali Gateway RGD03 serves as a power supply for a DALI bus and enables controlling of up to 32 DALI devices. All programmed Easywave transmitters trigger the same function. The transmitter buttons are automatically assigned to functions. A maximum of 200 mA can be provided on the bus for DALI devices.

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

If other operating modes are to be used, the configuration must be adapted on a Windows PC, using the separately available start-up cable and the "RGD03_Configurator" software.

RGD03E5002A01-01K

Technical specifications

Coding	Easywave Up to 32 transmitters can be programmed.
Frequency	868.30 MHz
Channels	1 (2 in 1-button operation)
Range	typically 150 m in good free-field conditions
Power supply	230 V ~ 50 Hz
Power consumption	max. 60 mA
Output current DALI	max. 200 mA
Operating modes	ON/OFF (1-button operation) ON/OFF (2-button operation) DIM (1-button operation) DIM (2-button operation)* DEAD MAN (1-button operation) SCENE select JUMP through scenes
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	45/210/32 mm
Color	white similar RAL 9003

* factory setting

Configurator
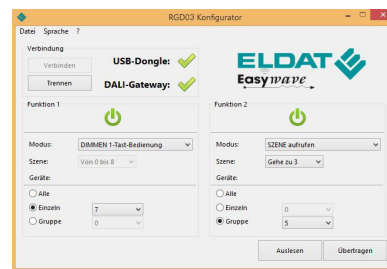
RGD03 configurator

Scope of delivery
· DALI gateway 200 mA
· Operating manual

Accessories (optional)

RGD-ACC-01-00K	Start-up cable DALI, for RGD03, length 3 m, incl. software CD

Models

Product number	Description
RGD03E5002A01-01K	DALI gateway, Easywave, 1x / 2x DALI commands, 200 mA DALI power supply

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RGD04 DALI gateway
24 mA DALI power supply

With the Easywave DALI gateway RGD04, DALI devices can be controlled by up to 32 Easywave transmitters. Additionally, the RGD04 serves as a bus power supply and can provide up to 24mA for DALI devices.

The gateway sends DALI commands as a broadcast in the operating mode "DIM two-button operation". This can not be changed by the user.

The RGD04 is ideal for controlling small DALI installations, such as individual DALI lights or groups of lights, with Easywave radio transmitters and without a separate DALI power supply.

RGD04E5001A01

Technical specifications

Coding	Easywave Up to 32 transmitters can be programmed.
Frequency	868.30 MHz
Channels	1 (broadcast)
Range	typically 150 m in good free-field conditions
Power supply	230 V ~ 50 Hz
Power consumption	max. 35 mA
Output current DALI	max. 24 mA
Operating modes	DIM (2-button operation)
Operating temperature	0 °C to +60 °C
Dimensions (W/L/H)	48/48/25 mm

Scope of delivery
· DALI gateway 24 mA
· Operating manual

Models

Product number	Description
RGD04E5001A01	DALI gateway, Easywave, 1x DALI broadcast, 24 mA DALI power supply

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RGK03 APPMODULE

KNX-IoT gateway

The APPMODULE RGK03 allows the integration of ELDAT transmitters and receivers into KNX bus systems. Up to 128 transmitters and 128 receivers per wireless system can control KNX actuators or be controlled by KNX sensors.

The KNX IP router-, KNX IP tunneling- and VPN- functions offer maximum flexibility in configuration. In addition, a wide variety of smart home apps are available, for example to integrate SONOS®, Philips® hue, FRITZ!Box® or Bose® devices.

After purchasing the appropriate apps, the building automation or the Easywave radio system can be connected to a telephone system, television or router, for example.

The pre-installed Alexa® app enables voice control in the smart home system.

RGK03ENS50A01-K

Technical specifications

Coding	Easywave Easywave neo (server) secwave
Frequency	868.30 MHz
Radio inputs	
Easywave	1.024
Easywave neo	128
secwave	128
Radio outputs	
Easywave	128
Easywave neo	128
secwave	128
Power supply	12–32 V DC
Power consumption	at 12 V DC: 300 mA at 24 V DC: 150 mA
Typical consumption	≤ 5 W
Operating temperature	– 5 °C to +35 °C
Dimensions (W/L/H)	72/90/63 mm, DIN-rail 4TE
Color	gray, mat

Scope of delivery

· APPMODULE
· External antenna with magnetic base,
  SMA connector, cable length 2.5 m
· Operating manual

Models

Product number	Description
RGK03ENS50A01-K	APPMODULE, Easywave neo, KNX-IoT gateway, 12–32V DC, 128 serial numbers

All Smart Home apps are independent products and have no legal connection to the third-party manufacturers mentioned. ELDAT EaS GmbH does not own the above-mentioned trademarks.

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

INTERFACES
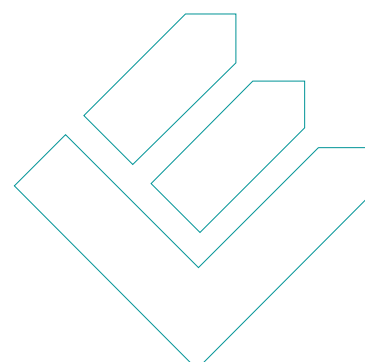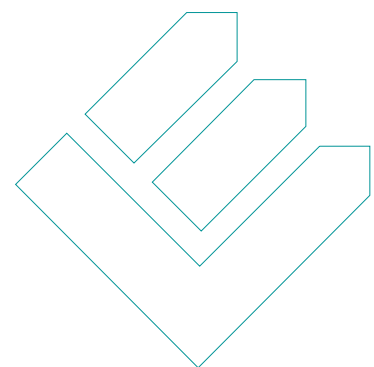
ELDAT radio system *secwave*

ACCESS CONTROL

TRANSMITTERS

RECEIVERS

General information

ELDAT
secwave

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 is one of the most frequently used encryption standards, by banks for example.

The encryption and telegram structure makes secwave products incompatible with Easywave products.

By using the Easywave Control Center, it is possible to connect both systems and thus control a secwave receiver with an Easywave transmitter if both devices are within range of the Control Center.

Please note that the advantage of encrypted transmission is no longer available in this case.

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   Handsender
PULSE

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.

Technical specifications

Coding	secwave 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
Operating modes	4x PULSE
Operation	transmission starts as soon as button is pressed
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	37/61.5/10.7 mm
Weight	30 g (including battery)
Color	black similar RAL 9005

Scope of delivery

· Hand transmitter incl. battery
· Key protection
· Operating manual

Accessories (optional)

RT42-ACC-01-21U   Key protection RT42/RT43 black similar RAL9005

Models

Product number	Description
RT42S5004A01-21K	Hand transmitter, secwave, 4x PULSE, metal bracket, black

TRANSMITTERS

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RCJ33 Flush–mounted receiver

pulse output

ELDAT
secwave

The RCJ33 flush-mounted receiver receives transmission codes from up to 200 programmed secwave radio transmitters and triggers a 5-second pulse on the connected device via a pulse output (changeover).

This enables, for example, the safe control of a door buzzer via radio. In addition, a button input is available so that the pulse can also be triggered via wire by a key switch.

The flat design facilitates installation in flush-mounted sockets, behind switches or behind sockets.
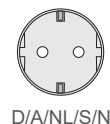
RCJ33S5001A01

Technical specifications
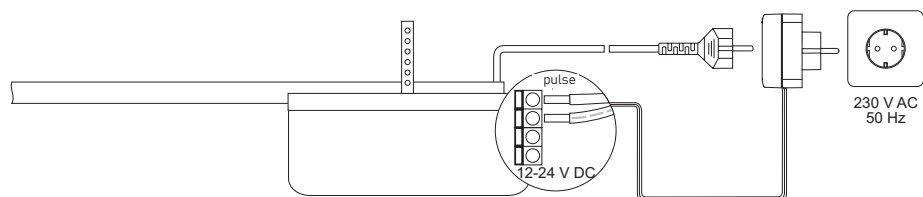
Coding	secwave AES 128-bit encryption Up to 200 transmitters can be programmed. Not compatible with Easywave products!
Frequency	868.30 MHz
Channels	1
Power supply	12–24 V AC/DC
Power consumption (at 24 V DC)	0.2 W standby 1.0 W relay switched (without load)
Operating modes	PULSE (5 seconds)
Input	1 external button
Output	1 potential-free relay contact (changeover)
Maximum contact load – AC – DC	 60 V / 1 A / 60 VA 30 V / 1 A / 30 VA
Operating temperature	–20 °C to +45 °C
Dimensions (W/L/H)	43/42/17.5 mm

Wiring diagram

Scope of delivery

· Flush-mounted receiver
· Operating manual

Models

Product number	Description
RCJ33S5001A01	Flush-mounted receiver, secwave, 12–24V, 1x pulse output (5 s), potential-free, button input

RECEIVERS

RCL08 Mini receiver

12-24 V AC/DC 2-channel

ELDAT
secwave

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.

RCL08S5002A01-01K

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)
Maximum contact load	
– AC	24 V / 1A / 24 VA
– DC	30 V / 1A / 30 W
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	70/64/35 mm
Color	white similar RAL 9003

Wiring diagram

Scope of delivery

· Mini receiver
· Mounting kit
· Operating manual

Accessories (optional)

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

ACC-ANT50-03-21P   RCL03-ACC-01-00P

Models

Product number	Description
RCL08S5002A01-01K	Mini receiver, secwave, 12-24V, 2x changeover, potential-free, white

RECEIVERS

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security
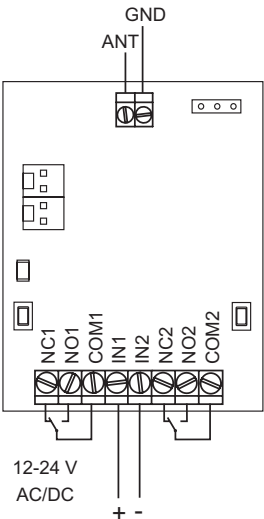
RCL09 Mini receiver
12-24 V AC/DC 2-channel IP65

ELDAT
secwave

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.

RCL09S5002A01-01K

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)
Maximum contact load – AC – DC	 24 V / 1A / 24 VA 30 V / 1A / 30 W
Operating temperature	–20 °C to +60 °C
Dimensions (W/L/H)	72/114/36 mm
Color	white similar RAL 9003

Wiring diagram

GND
ANT

NC1 NO1 COM1 IN1 IN2 NC2 NO2 COM2

12-24 V
AC/DC

+ -

Scope of delivery

· Mini receiver
· Mounting kit
· Operating manual

Accessories (optional)

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

Models

Product number	Description
RCL09S5002A01-01K	Mini receiver, secwave, 12-24V, 2x changeover, potential-free, IP65, white

RECEIVERS

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RCP23 Plug-in socket receiver

pulse output

ELDAT
secwave

The RCP23 plug-in socket receiver receives transmission codes from up to 200 programmed secwave radio transmitters and triggers an 1-second pulse on the connected device via the pulse output. The pulse can also be triggered via a button on the RCP23.

With the RCP23, it is therefore very easy to safely retrofit or convert garage door motors with a radio interface.

The RCP23 also comes with a power outlet which is not switched and thus remains fully usable.

RCP23S5001A01

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	0.4 W standby
Operating modes	PULSE (1 second)
Outputs	1x potential-free relay contact (normally open)
Maximum contact load	pulse output: 1A / 24 V DC mains voltage (not switchable): 16 A / 230 V AC
Operating temperature	–10 °C to +35 °C
Dimensions (W/L/H)	71.4/71.4/75.5 mm
Color	white similar RAL 9003

Plug system

D/A/NL/S/N

Wiring diagram

pulse
12-24 V DC
230 V AC
50 Hz

Scope of delivery

· Plug-in socket receiver
· Cable (length 150 cm)
· Operating manual

Models

Product number	Description
RCP23S5001A01	Plug-in socket receiver, secwave, 230V, 1x pulse output, potential-free, D/A/NL/S/N, white

RADIO SYSTEMS: Flexibility | Convenience | Energy efficiency | Security

RECEIVERS

Index

PRODUCT OVERVIEW alphabetical

ACCESSORIES

PRODUCT OVERVIEW alphabetical

ELDAT