

**Model**

**Acknowledge button Quit**  
Call acknowledge

**Programming button R**  
Teaching the call transmitter

**red LED**  
illuminates: Call received  
flashes: Battery low voltage

**Switch button I/O**  
care function  
activate/deactivate

**Programming button Q/S**  
Teach the acknowledge and  
switch transmitter

**green LED**  
illuminates: RCL07 ready for operation  
flashes: Care function active

<b>RCL07E6002B01</b>	916.50 MHz
<b>RCL07E5002B01</b>	868.30 MHz

**Technical Details**

Frequency:	916.50 MHz/868.30 MHz
Modulation:	FSK
Coding:	Easywave, Easywave-Plus
Power supply:	12-24 V DC
Current consumption:	
12 V DC:	19 mA stand by 65 mA load *)
24 V DC:	11 mA stand by 31 mA load *)
Max. contact rating:	30 V / 1 A / 30 W
Output:	2 potential-free relay contacts (1 CO and 1 NO)
Operating temperature:	-20 °C to +60 °C
Degree of protection:	IP54
Dimensions (w/l/h):	35/80/20 mm
Weight:	38.0 g
Connecting cable:	Ø 5 mm

\*) Both relays are switched.

**Scope of Delivery**

Call receiver RCL07, operating instruction

**Intended Use**

The unit may only be operated with safety extra low voltage (SELV) and may only be used as a radio control for switching devices with safety extra low voltage (SELV).

The manufacturer shall not be liable for any damage caused by improper or non-intended use.

**Safety Advice**



Before using the device, carefully read through the operating instructions!

**Caution!** Observe the permissible supply voltage and the max. contact rating!

Have faulty radio controls checked by the manufacturer!

Do not make any unauthorized alterations or modifications to the receiver!

**Function**

The call receiver RCL07 has two channels. Channel 1 (CH1) is used for the operating modes and the switching functions. If the RCL07 receives an undervoltage telegram, the channel 2 (CH2) switches the output NO2 for one second.

The following applications can be realized with this:

**CALL FUNCTION**

When the RCL07 receives the telegram from a call transmitter, channel 1 (CH1) switches according to the operating mode selected. The receiver is delivered with the default operating mode PULSE.

When a call has been received, the red LED R continuously illuminates. This call can be acknowledged using the taught acknowledge transmitter or the button Quit (refer to „Acknowledge function“).

A maximum of 32 transmission codes can be taught. Teaching is carried out using the programming button R (refer to page 2 „Teaching call transmitter“).

**ACKNOWLEDGE FUNCTION**

When the acknowledge function is **activated**, LED R will light up **red** once a call is incoming. This call can be acknowledged using an acknowledgement transmitter, or on the RCL07 using the **Quit** key. LED R will stop illuminating and output channel 1 (CH1) will be reset.

If the acknowledge function is **deactivated**, an incoming call can not be acknowledged and LED R will not light up. The device will switch to output channel 1 (CH1) in accordance with the operating mode selected.

The acknowledge function can be activated or deactivated by setting jumper J1 accordingly (see „Change acknowledge function“). The acknowledge function is deactivated ex-works.

A maximum of eight transmission codes can be taught. Teaching is carried out using the programming button Q/S (refer to page 2 „Teaching acknowledge transmitter“).

**CARE FUNCTION**

Using the care function, the call function is disabled for 15 minutes. Disabling the call function is carried out by a separate switching transmitter using the transmitter button B or D, or by momentarily pressing (<5 seconds) the button I/O.

The call function is automatically reactivated after 15 minutes, or can be reactivated using the transmitter button A or C, or on the receiver using the button I/O.

A maximum of eight switching codes can be taught. Teaching is carried out using the programming button Q/S (refer to page 2 „Teaching switching transmitter“).

**BATTERY UNDER VOLTAGE**

If the capacity of the battery of a call transmitter is low, the transmitter sends an undervoltage telegram. The relay channel 2 (CH2) is switched for approx. one second.

If the RCL07 receives a call and an undervoltage telegram, the undervoltage will only be displayed by the flashing of the red LED R once the call has been acknowledged.

Now replace the battery of the call transmitter. When the RCL07 receives two consecutive telegrams from this transmitter without an undervoltage message, the receiver automatically acknowledges the undervoltage indication.

**Operating Modes**

Via jumper J2 you can set the operating modes.

**PULSE** (J2 on Pos. 4)  
1-button operation

If a transmitter button A/B/C/D is pressed, the corresponding relay is triggered for one second.

**ON/OFF** (J2 on Pos. 3-4)  
2-button operation

The relay can selectively be switched ON or OFF. The transmitter button A or C switch ON, the transmitter button B or D switch OFF.

**Caution!** In order to change the operating mode, first delete the transmitter transmission code then, using a jumper, reset the operating mode required and subsequently teach the transmission code.

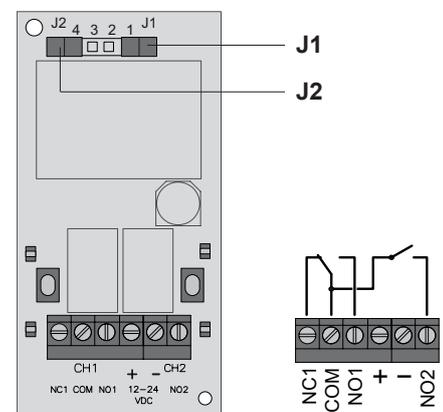
**Start-Up**

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

1. Remove the housing cover.
2. Select an operating mode using jumper J2 and the select whether the acknowledge function should be activated or deactivated using jumper J1. The receiver is delivered ex-works with the operating mode IMPULS and deactivated acknowledge function.
3. Connect the supply voltage and the protective low voltage loads to e switched on. The I/O LED will light up in green.

**NC1, COM, NO1, NO2:** CO/NO

**+ , -** Power Supply 12-24V DC

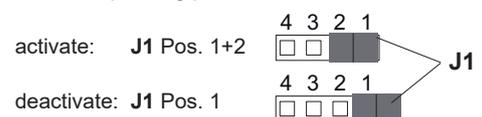


4. Re-install the housing cover.
5. Transfer the codes of the transmitters to the receiver (see section “Teaching in the transmission codes“).

**Notice:** The receiver cannot be programmed with the learn button PTX of the Easywave radio transmitters.

**Changing the acknowledge function**

To change the acknowledge function (activated ↔ deactivated), the RCL07 must first be made voltage-free and jumper J1 must be moved into the corresponding position.



## Teaching in the transmission codes

In the "Programming the transmission codes" mode you can transfer the codes of your transmitter buttons (A/B/C/D) to the receiver.



**Each type of transmitter can only be taught-in to the RCL07 once!**  
**If transmission code A or B has been taught-in to transmitters with 2-touch operation for example, buttons C and D cannot be used in this RCL07.**

	Press button	Display LED RCL07	Remark
<b>Teaching a call transmitter</b>			
Call transmitter: To transmit a care call.			
<p>① <b>R</b> &lt;1,6 s</p>	<p>② <b>Tx</b> &lt;1,6 s</p>	<p>① <b>R</b> &lt;1,6 s LED R flashes slowly</p>	<p>The receiver is in teaching mode for approx. 30 s. Teach the transmission code during this period, after the period has expired, the receiver changes to operation mode.</p>
		<p>② <b>Tx</b> &lt;1,6 s LED R illuminates for approx. 4 s <sup>1)</sup></p>	<p>The transmission code is transmitted. The operating mode set at the receiver is accepted with the save procedure and is applicable for the transmission code saved. Subsequently, the receiver changes to operation mode.</p>
		<p><sup>1)</sup> LED R quickly flashes for approx. 4 s</p>	<p>All 32 memory spaces are allocated.</p>

	Press button	Display LED RCL07	Remark
<b>Teaching an acknowledgement transmitter</b>			
Acknowledge transmitter: To acknowledge a care call received.			
<p>① <b>Q/S</b> &gt;5 s</p>	<p>② <b>Tx</b> &lt;1,6 s</p>	<p>① <b>Q/S</b> &gt;5 s LED Q/S flashes slowly (1x break 1x ...)</p>	<p>The receiver is in teaching mode for approx. 30 s. Teach the transmission code during this period, after the period has expired, the receiver changes to operation mode.</p>
		<p>② <b>Tx</b> &lt;1,6 s LED Q/S continuously illuminates <sup>1)</sup></p>	<p>Press the transmitter button with which you wish to acknowledge. The transmission code is transmitted and the receiver changes to operation mode.</p>
		<p><sup>1)</sup> LED Q/S quickly flashes for approx. 4 s</p>	<p>All 8 memory spaces are allocated.</p>

A/B/C/D → Call signal can be acknowledged using the taught transmitter button  
**Caution!** Acknowledgement is only possible if the acknowledge function is activated (Jumper J2 Pos. 1+2)

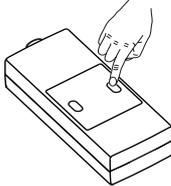
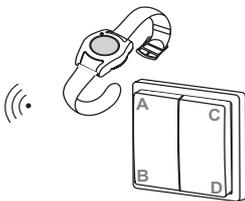
	Press button	Display LED RCL07	Remark
<b>Teaching a switching transmitter</b>			
Switching transmitter: Activation or deactivation of the care function			
<p>① <b>Q/S</b> &gt;5 s</p>	<p>③ <b>Tx</b> &lt;1,6 s</p>	<p>① <b>Q/S</b> &gt;5 s LED Q/S flashes slowly (1x break 1x ...)</p>	
<p>② <b>Q/S</b> &lt;1,6 s</p>		<p>② <b>Q/S</b> &lt;1,6 s LED Q/S flashes (2x break 2x ...)</p>	<p>The receiver is in teaching mode for approx. 30 s. Teach the transmission code during this period, after the period has expired, the receiver changes to operation mode.</p>
		<p>③ <b>Tx</b> &lt;1,6 s LED Q/S continuously illuminates <sup>1)</sup></p>	<p>Press the transmitter button A or C, the transmission codes are transmitted (Code B and D are automatically allocated). The receiver changes to ready for operation.</p>
		<p><sup>1)</sup> LED Q/S quickly flashes for approx. 4 s</p>	<p>All 8 memory spaces are allocated.</p>

B/D OFF → switch off call function, LED I/O flashes green  
A/C ON → switch on call function, LED I/O continuously illuminates green

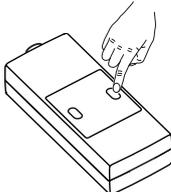
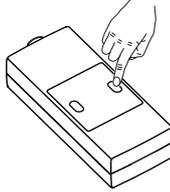
**Q/S** programming button **Q/S**  
**R** programming button **R**  
**Tx** transmitter button

## Delete transmitter

Using „Delete transmitter“, the coding of your transmitter buttons (A/B/C/D) can be selectively, or completely deleted from the receiver.

	Press button	Display LED RCL07	Remark
<b>Deleting individual transmission codes</b>			
① <b>R</b> >1,6 s	① <b>R</b> >1,6 s	LED R flashes rapidly	The receiver is in delete mode for 30 s. Delete the required transmission code during this period, after the period has expired, the receiver changes to operation mode.
② <b>Tx</b> <1,6 s	② <b>Tx</b> <1,6 s	LED R illuminates for approx. 4 s	
			

## Delete all transmission codes (RESET)

① <b>R</b> >1,6 s	① <b>R</b> >1,6 s	LED R flashes rapidly	The receiver is in delete mode for approx. 30 s. Again press the button R during this period, after the period has expired, the receiver changes to ready for operation.
② <b>R</b> >1,6 s	② <b>R</b> >1,6 s	LED R illuminates for approx. 4 s	
			

**R** programming button **R**  
**Tx** transmitter button

## General Information

### Disposal

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

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



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



### Warranty

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

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

### Conformity



Hereby, ELDAT EaS GmbH declares that the radio equipment type RCL07 is in compliance with Directive 2014/53/EU.

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



#### **Customer Service**

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

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