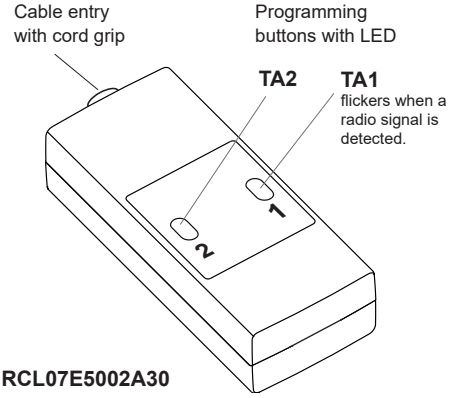
EN Mini receiver RCL07

Model



RCL07E5002A30

Technical Details

Frequency:	868.30 MHz
Modulation:	FSK
Coding:	Easywave
Power supply:	12-24 VAC 12-32 VDC
Max. current consumption:	10 mA / 45 mA Load*)
Output:	2 potential-free relay contacts (1 CO and 1 NO)
Max. contact rating **AC** (Ω)	
max. switching voltage:	120 VAC
max. switching current:	1 A
max. switching power:	62 W
Max. contact rating **DC**	
max. switching voltage:	50 VDC
max. switching current:	1 A
max. switching power:	30 W
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

Mini receiver RCL07, operating instructions

Intended Use

The device 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). All information on the maximum contact load refers to resistive loads. If an inductive load (e.g. motor) is connected, the maximum contact load is reduced depending on cos ϕ.

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!

- Observe the permissible supply voltage and the maximum contact load of the switching outputs! The specified maximum values for switching voltage, switching current and switching power must not be exceeded!
- Have faulty radio controls checked by the manufacturer!
- Do not make any unauthorized alterations or modifications to the receiver!

Function

The RCL07 Easywave mini receiver can be operated in a voltage range of 12-24VAC or 12-32 VDC.

A total of 32 different Easywave radio transmission codes can be programmed. The distribution across channels is arbitrary. If a transmitter is programmed into both channels, it still only takes up one memory slot.

Operating modes

The operation mode for programming is set with Jumper J1:

DEAD MAN (1-button operation) 4 3 2 1 **J1**

The relay is switched as long as the corresponding transmitter button is pressed (max. 36 sec).

ON/OFF (2-button operation) 4 3 2 1 **J1**

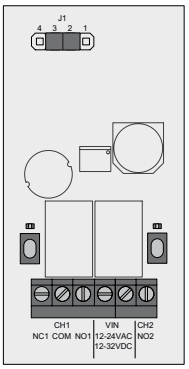
The relay can be switched ON or OFF as required. The transmitter button A or C switch ON, the transmitter button B or D switch OFF.

PULSE (1-button operation) 4 3 2 1 **J1**

If a transmitter button is pressed, the corresponding relay is triggered for 1 second.

Start-Up

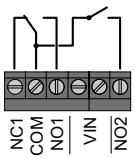
1. Remove the housing cover.
2. Select the desired operating mode with jumper J1. The factory setting is PULSE.
3. Connect the supply voltage and the safety extra low voltage devices to be switched as follows:



change-over contact: NC1, COM, NO1

normally open contact: COM, NO2

Power supply: VIN (12-24VAC / 12-32 VDC)



4. Re-install the housing cover.
5. Program the codes of the transmitters into the receiver (see section “Programming the transmission codes“).

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.

Programming the transmission codes

In the programming mode you can transfer the codes of your transmitter buttons to the receiver.

The operating mode set on the jumper J1 at this time is adopted during the storage process and is valid for the stored transmission code.

If a previously programmed transmitter is reprogrammed, the previous operating mode will be overwritten with the currently selected mode.

1. Briefly (< 1.6 sec) press the programming button TA1 for channel 1 or TA2 for channel 2. The receiver is for approx. 30 sec in the programming mode, the corresponding channel LED flashes.
2. Press the transmitter button you want to program. If the code has been programmed, the LED lights up and the receiver is going into operating mode. Release the transmitter button. In the ON/OFF mode, the code of the corresponding button is assigned automatically.
3. Repeat step 1 and step 2 to program additional transmitters.

If the LED flickers for 4 seconds during the programming process, the memory is full.

Deleting specific transmission codes

1. Press and hold the programming button TA1 for channel 1 or TA2 for channel 2 for more than 1.6 sec. The LED TA1 or TA2 flashes rapidly. The receiver is for approx. 30 sec in the delete mode.
2. Press the transmitter button to be deleted. When the code has been deleted, the LED lights up and the receiver returns to operating mode.

   In the ON/OFF mode, the code of the corresponding button is also deleted.

If the LED flickers for 2 seconds during deletion, the transmitter was not programmed into the selected output! The receiver remains in deletion mode.

Deleting all transmission codes (Reset)

1. Press and hold the programming button TA1 for channel 1, TA2 for channel 2 or both buttons for a RESET of both channels simultaneously for longer than 1.6 sec. The LED TA1, TA2 or both flash quickly. The receiver is in RESET mode for approx. 30 sec.
2. Press the same programming button(s) used in step 1 again for longer than 1.6 sec, to execute the RESET. When all transmission codes have been deleted, the corresponding LEDs light up briefly and the receiver switches to the operating mode.

Canceling programming oder deleting operations is possible at any time by pressing the button TA1 **or** TA2 briefly or you can wait approx. 30 sec, until the receiver is returns to operating mode.

Disposal

Waste electrical products are not to 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

CE

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

Service

If, despite correct handling, faults or malfunctions occur or if the product was damaged, please contact your retailer or the manufacturer.

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