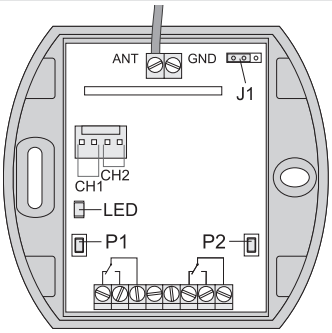
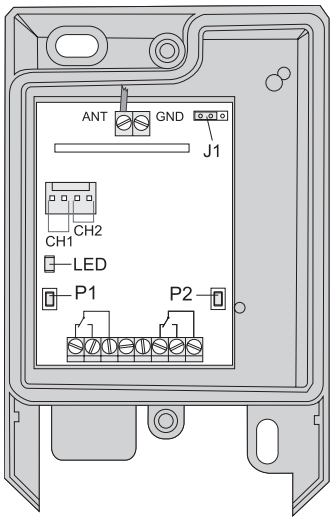
Model



RCL08S5002A01



RCL09S5002A01

Technical Details

Frequency:	868.30 MHz
Modulation:	FSK
Radio telegram:	secwave
Encoding:	AES 128 Bit
Supply voltage:	12-24 V AC/DC
Max. contact rating external push-buttons:	approx. 5 mA
Standby:	10 mA (12V DC) 15 mA (12V AC)
Current consumption:	Reley ON 55 mA (12V DC) 70 mA (12V AC)
Input power:	0.7 W (DC) 1.0 VA (AC)
Output:	2 potential-free relay contacts
Max. contact rating:	AC: 24 V / 1 A / 24 VA DC: 30 V / 1 A / 30 W
Operating temperature:	-20°C to +60°C
Dimensions:	RCL08: 70x64x35 mm RCL09: 114x72x36 mm
Weight:	RCL08: ca. 50 g RCL09: ca. 100 g

Scope of Delivery

Mini receiver RCL08 or RCL09, 2x cable sssembly, fastening material, operating instructions

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 mini receiver RCL08/RCL09 can be operated in a voltage range of 12-24 V AC/DC.

Two potential-free relay outputs may be switched.

Two operating modes are available: **PULSE** (1 second) and **ON/OFF** (one-button-mode).

Factory setting is the PULSE mode.

For each channel 100 different radio transmitter codes can be memorized.

It is also possible to connect one external pulse button for each channel which can be used to switch the corresponding relay according to the selected operating mode.

Mounting and Connecting

The reception quality can be affected by a number of factors: location, equipment and systems without interference suppression, other transmitters within the frequency range, atmospheric conditions and other factors.

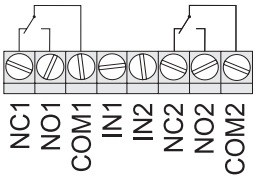
Do not mount the mini receiver near the floor or near large metal objects!

The maximum length of any connecting cables may not exceed three meters.

In the case of malfunctions, contact your retailer or the manufacturer!

Electrical connection

- Remove the housing cover and mount the mini receiver in a suitable location.
- Connect the supply voltage (12-24 V AC/DC) and the safety extra low voltage devices to be switched as follows:

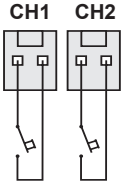


Supply voltage: IN1, IN2

Device 1 (relay 1 / channel 1):
NO1 - COM1: NO contact
NC1 - COM1: NC contact

Device 2 (relay 2 / channel 2):
NO2 - COM2: NO contact
NC2 - COM2: NC contact

- If necessary, connect the external push button as follows:



Push button 1: **channel CH1** (for relay 1/device 1)

Push button 2: **channel CH2** (for relay 2/device 2)

- Remount the housing cover.

Programming the transmission codes

100 different transmission codes can be memorized for each channel.

1. Select the desired operating mode via jumper J1:

PULSE Position 1-2

The relay switches for one second.

ON/OFF Position 2-3

The first press of the transmitter button switches ON. The second press of the same button switches OFF.

2. Press and hold button **P1** (for channel 1) or **P2** (for channel 2). After about 3 sec. the LED will begin to flash for about 10 sec. Release the button.
3. Within 10 sec., press on the transmitter the learning button **PTx** (at RTC06/07 the Master-Pin) and the transmitter button (at RTC06/07 the user pin and Enter, at RTI01 the user finger) of which the code is to be memorized. As soon as the code is memorized, the LED of the mini receiver remains lit for as long as the transmitter button is held.
4. Repeat the 3 steps with other transmitters.

If all memory locations are occupied, the LED flashes rapidly for approx. 4 seconds.

To change the mode of an already memorized transmitter the memory of the desired channel must be deleted first (see „Reset“), then the transmitter can be memorized with a new operating mode again

Deleting all transmission codes (Reset)

The memory for each channel can be deleted separately.

- Press and hold button **P1** (for channel 1) or **P2** (for channel 2) for 10 sec. After about 3 sec. the LED will begin to flash.
  As soon as all memorized transmission codes for the chosen channel have been deleted, the LED will light up. Release the button.

or

- Press and hold the buttons **P1** and **P2** simultaneously for 10 sec. After about 3 sec. the LED will begin to flash.
  As soon as all memorized transmission codes for both channels have been deleted, the LED will light up. Release the buttons.

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

CE

Hereby, ELDAT EaS GmbH declares that the radio equipment type RCL08/09 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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