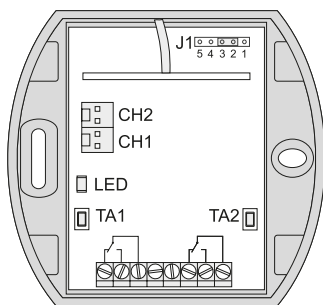
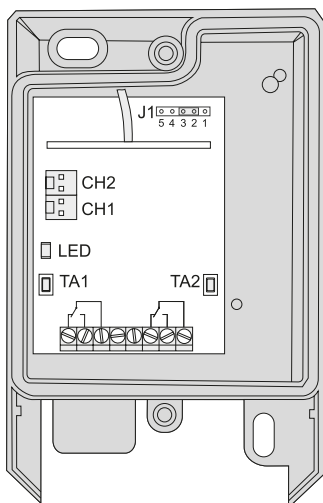


Models



RCL03E5002-01 Degree of protection IP20



RCL04E5002-01 Degree of protection IP65

Technical Details

Frequency: 868.3 MHz
 Modulation: FSK
 Coding: Easywave
 Power supply: 12-24 V AC/DC
 Current consumption at 24 V DC / 2-ch:
 Transmitter operation: approx. 50 mA
 Impulse button opera.: approx. 60 mA
 Degree of protection: RCL03: IP 20
 RCL04: IP 65
 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: RCL03: 70x64x35 mm
 RCL04: 72x114x36 mm
 Weight: RCL03: ca. 50 g
 RCL04: ca. 100 g

Scope of Delivery

Mini receiver RCL03 or RCL04, mounting accessories (RCL03: adhesive pad, RCL04: screws and anchors), 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

! Carefully read through these instructions before connecting and operating the receiver!

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 RCL03/RCL04 Easywave mini receiver can be operated in a voltage range of 12-24 V AC/DC. 2 potential-free relay outputs may be switched via 2 separate radio channels.

A total of 32 different Easywave radio transmission codes can be memorized.

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

Four operating modes are available:

- **DEAD MAN'S MODE** (factory setting)
- **ON/OFF**
- **PULSE**
- **ROLLER BLIND MOTOR CONTROL** for 2-button operation
- **ROLLER BLIND MOTOR CONTROL** for 3-button resp. 4-button operation

Operating Modes

The radio control can be operated in five different operating modes with Easywave transmitters for 1-button-, 2-button-, 3-button operation. The required operating mode can be selected with jumper J1.

DEAD MAN'S MODE (1-button operation) J1

Each relay can be switched separately. The relay is triggered as long as the corresponding transmitter button or the corresponding external impulse button is pressed (at transmitter button operation max. 36 secs).

ON/OFF (2-button operation) J1

Each relay can be switched separately.

transmitter button	function
A or C	
Impulse button 1 st pressing	ON
B or D	
Impulse button 2 nd pressing	OFF

PULSE (1-button operation) J1

If a transmitter button or an external impulse button is pressed, the corresponding relay is triggered for 1 second.

ROLLER BLIND MOTOR CONTROL

2-button operation J1

transmitter button	function
A or C	OPEN
Impulse button CH1	STOP for CLOSE direction
B or D	CLOSE
Impulse button CH2	STOP for OPEN direction

The relay switches off after 90 sec-onds automatically.

ROLLER BLIND MOTOR CONTROL

3-button resp. 4-button operation J1

transmitter button	function
A	OPEN
B	CLOSE
C	STOP
D	STOP

Caution: In this function the impulse buttons CH1 and CH2 are working in the 2-button operation!
 The relay switches off after 90 seconds automatically.

Mounting and Connecting

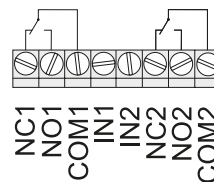
1. Remove the housing cover.
2. Using the mounting accessories supplied, mount the receiver on a suitable location.

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.

The maximum length of all connecting cables may not exceed 3 m!

3. Select the desired operating mode with jumper J1.
4. Connect the supply voltage and the safety extra low voltage devices to be switched as follows:

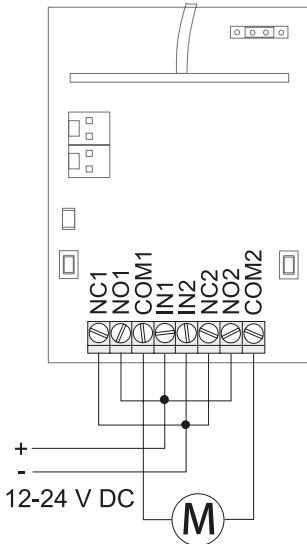
DEAD MAN'S MODE, ON/OFF and PULSE:



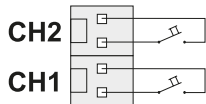
- Supply voltage (12-24V AC/DC): IN1, IN2 (at DC: Polarity is arbitrary)
- Device 1 (at relay 1 / channel 1): NO1 - COM1: NO contact
NC1 - COM1: NC contact
- Device 2 (at relay 2 / channel 2): NO2 - COM2: NO contact
NC2 - COM2: NC contact

ROLLER BLIND MOTOR CONTROL

The receiver may only be operated with 12-24 V DC in this mode.



5. If necessary, connect the external impulse buttons as follows:



- Impulse button 1 (for relay 1): CH1
- Impulse button 2 (for relay 2): CH2

Note: The external impulse buttons work in the selected operating mode.

Note: (only RCL04) All cables are to be fed into the receiver via the opening on the bottom using the watertight PG screw fitting.

6. Transfer the codes of the transmitters to the receiver (see section "Memorizing the transmission codes (Programming)").
7. Re-install the housing cover.

Memorizing the Transmission Codes (Programming)

In the "Memorizing the Transmission Codes" mode you can transfer the codes of your transmitter buttons to the receiver.

The selected operating mode is adopted as a result of the memorizing process and applies to the transmission code currently memorized. A total of 32 transmission codes can be memorized.

DEAD MAN'S MODE, PULSE:

1. Briefly (< 1.6 sec.) press the programming button TA1 (for channel 1) or TA2 (for channel 2). The programming mode is activated. The LED flashes.
2. Press and hold the transmitter button. If the code has been memorized, the LED lights up for approx. 4 sec. and then flashes again. Release the transmitter button.
3. Repeat step 2 with the other transmitters.
4. Briefly (< 1.6 sec.) press the programming button TA1 or TA2 in order to return to the operating mode.

EIN/AUS:

1. Briefly (< 1.6 sec.) press the programming button TA1 (for channel 1) or TA2 (for channel 2). The programming mode is activated. The LED flashes.
2. Press and hold the transmitter button A or C. If the code has been memorized, the LED lights up for approx. 4 sec. and then flashes again. Release the transmitter button.
Note: The code of the corresponding transmitter button B or D will be assigned automatically.
3. Repeat step 2 with the other transmitters.
4. Briefly (< 1.6 sec.) press the programming button TA1 or TA2 in order to return to the operating mode.

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

Note: Even in case of longer power failure programming remains.

ROLLER BLIND MOTOR CONTROL

2-button operation:

11. Briefly (< 1.6 sec.) press the programming button TA1. The programming mode is activated. The LED flashes.
2. Press and hold the transmitter button A or C. If the code has been memorized, the LED lights up for approx. 4 sec. and then flashes again. Release the transmitter button.

Note: The code of the corresponding transmitter button B or D will be assigned automatically.

3. Repeat step 2 with the other transmitters.
4. Briefly (< 1.6 sec.) press the programming button TA1 or TA2 in order to return to the operating mode.

ROLLO-/JALOUSIE-MOTORSTEUERUNG

3-button resp. 4-button operation:

1. Briefly (< 1.6 sec.) press the programming button TA1 (for channel 1) or TA2 (for channel 2). The programming mode is activated. The LED flashes.
2. Press and hold the transmitter button. If the code has been memorized, the LED lights up for approx. 4 sec. and then flashes again. Release the transmitter button.
Note: The code of the associated button (OPEN, CLOSE, STOP) are automatically allocated.
3. Repeat step 2 with the other transmitters.
4. Briefly (< 1.6 sec.) press the programming button TA1 or TA2 in order to return to the operating mode.

Deleting Specific Transmission Codes

In the Delete mode you can delete specific transmission codes memorized by the receiver.

1. Keep the programming button TA1 (for channel 1) or TA2 (for channel 2) pressed for more than 1.6 sec. The delete mode is activated. The LED flashes rapidly.
2. Press the selected transmitter button. If the code has been deleted, the LED lights up for 4 sec. and then flashes again rapidly.
Note: In the operating modes "Roller blind motor control" and "ON/OFF", the code of the corresponding transmitter button is also deleted.
3. Repeat step 2 with another transmitter or briefly (< 1.6 sec.) press the programming button TA1 or TA2 in order to return to the operating mode.

Deleting Memory Completely (RESET)

In the Reset mode you can delete all codes memorized by the receiver.

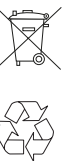
1. Keep the programming button TA1 or TA2 pressed for more than 1.6 sec. The delete mode is activated. The LED flashes rapidly.
2. Press the programming button TA1 or TA2 again and keep it pressed for more than 1.6 sec. If the memory has been deleted completely, the LED lights up for 4 sec. and then flashes again rapidly.
3. Briefly (< 1.6 sec.) press the programming button TA1 or TA2 in order to return to the operating mode.

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 GmbH declares that the radio equipment type RCL03/RCL04 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

Customer Service

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

ELDAT GmbH

Im Gewerbestraße 14
15711 Königs Wusterhausen
Germany
Phone: + 49 (0) 33 75 / 90 37-0
Fax: + 49 (0) 33 75 / 90 37-90
Internet: www.eldat.de
E-Mail: info@eldat.de