


Models
RCL03-5002E-01.1 Degree of protection IP 20
RCL04-5002E-01.1 Degree of protection IP 65

Scope of Delivery

- Mini Receiver
- Mounting accessories (**RCL03**: Adhesive pad, **RCL04**: Screws and anchors)
- Operating instructions

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!

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.

Function

The RCL03/RCL04 Easywave Mini-Receiver can be operated in a voltage range of 12-24 V AC/DC.

Four operating modes are available:
 - Dead man's mode (Factory setting)
 - Roller blind motor control
 - ON/OFF
 - Impulse (1 second).

2 potential-free relay outputs may be switched via 2 separate radio channels.

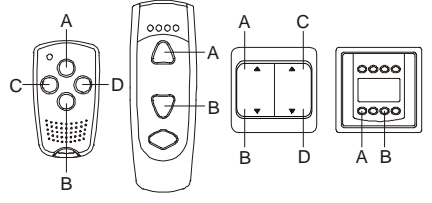
A total of 32 different Easywave radio transmission codes can be memorized.

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.

Using the Mini-Receiver

Operating Modes

The radio control can be operated in four different operating modes with Easywave hand transmitters, wall transmitters as well as radio timers:



- **Dead man's mode**
 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).
- **Roller blind motor control**
 Controlling roller blind motors (2-button operation):

Button	Function
Transmitter button A or C or Impulse button CH1	- OPEN - STOP for CLOSE direction
Transmitter button B or D or Impulse button CH2	- CLOSE - STOP for OPEN direction

The relay switches off after 90 seconds automatically.

- **ON/OFF**
 Each relay can be switched separately:
- | Button | Function |
|--|----------|
| Transmitter button A or C or Impulse button 1 st pressing | ON |
| Transmitter button B or D or Impulse button 2 nd pressing | OFF |

- **Impulse (1 Second)**
 If a transmitter button or an external impulse button is pressed, the corresponding relay is triggered for 1 second.

Mounting and Connecting

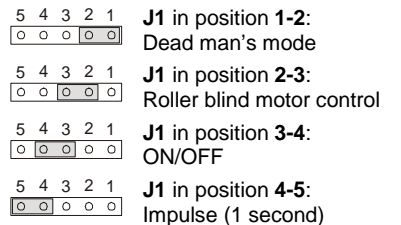
1. Remove the housing cover.
2. Using the mounting accessories supplied, mount the receiver on a suitable location.

Mounting Advice:

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.

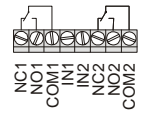
Do not mount the receiver near the floor or near large metal objects!
 The maximum length of all connecting cables may not exceed 3 m.
 In case of malfunctions, contact your retailer or the manufacturer.

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:

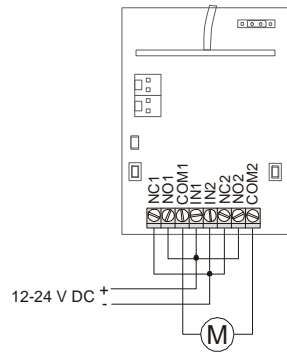
Operating modes „Dead man's mode“, „ON/OFF“ and „Impulse (1 second)“



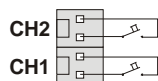
- Supply voltage (12-24V AC/DC): IN1, IN2 (at DC: Polarity is arbitrary)
- Device 1 (at relay 1 / channel 1):
 NO1 - COM1: NO contact
 NC1 - COM1: NC contact
- Device 2 (at relay 2 / channel 2):
 NO2 - COM2: NO contact
 NC2 - COM2: NC contact

Operating mode „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.

Operating modes „Dead man's mode" and "Impulse (1 second)"

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.

Operating mode „Roller blind motor control"

1. 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.

Operating mode „ON/OFF"

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.
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.

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.
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.

Reset (Deleting Memory Completely)

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.

General information

Waste electrical products should 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

This product conforms to the basic requirements of the R&TTE Directive 1999/5/EC.



The Declaration of Conformity can be found on the Internet at: www.eldat.de.

Technical Details

Frequency:	868.30 MHz
Modulation:	FSK
Radio telegram:	Easywave
Supply voltage:	12-24 V AC/DC
Contact rating external push-buttons:	approx. 5 mA
Current consumption at 24 V DC / 2-ch:	
- Transmitter operation:	approx. 50 mA
- Impulse button operation:	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: 63 x 35 x 70 mm RCL04: 114 x 72 x 36 mm
Weight:	RCL03: ca. 50 g RCL04: ca. 100 g

Customer Service

If, despite correct handling, faults or malfunctions occur or if the product was damaged, please contact the company at the address below:

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