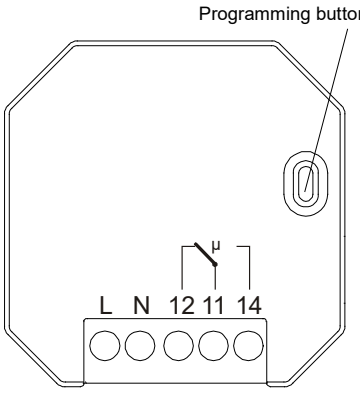
EN RCJ06 Junction Box Receiver

Model



RCJ06E5001-01 1-channel 868.30 MHz

Technical Data

Frequency:	868.30 MHz
Modulation:	FSK
Coding:	Easywave
Power supply:	230 V AC / 50 Hz
Current consumption:	0,25 W standby
	0,8 W Relais switched
Output:	1 potential-free relay contact (SPDT)
Max. contact rating:	see Table of Load
Degree of Protection:	IP20
Operating temperature:	-20°C to +60°C
Dimension:	48 x 48 x 25 mm

Table of Loads

Type of Load	max. load
Resisitive Load: Light bulbs, 230 V Halogen lamps etc.	10 A / 2,300 VA
Inductive Load: Halogen lamps with wound transformers (transformator at least 85% loaded)	3 A / 690 VA
Non-compensated or series-compensated fluorescent lamps with ferromagnetic ballasts	6 A / 1,380 VA
Parallel-compensated fluorescent lamps with ferromagnetic ballasts	3 A / 690 VA
Capacity EB: electronic ballasts, electronic transformers etc.	6 A / 1,380 VA

Safety Advice

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

Caution! Electrical installation may only be carried out by a qualified electrician!

Observe the applicable laws, standards and regulations as well as the manufacturer's instructions for the devices to be operated!

Note the maximum load (see Table of Loads)!

Have faulty units checked by the manufacturer!

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

The relay contact is suitable for a potential-free power supply in compliance with EN 60664.

Intended Use

This unit may only be used as an Easywave Junction Box Receiver together with low-powered or mains-powered devices!

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

Function

The Junction Box Receiver is designed for switching low-powered or mains-powered devices in the operating modes »ON/OFF« or »Dead Man's Mode«.

The receiver can be operated by multi-channel transmitters or single-channel transmitters.

Using the Receiver

Start-Up

1. Mount the receiver in accordance with the on-site conditions.
   Note: The receiver fits into almost every junction box.
2. Connect the power supply and the device to be switched according to the connection diagram.
   Caution! Observe the applicable electrical regulations!

   After connecting the receiver is in the operating mode. The LED is off.
3. Transfer the codes of the transmitters to the receiver (see section "Memorizing the Transmission Codes").

Mounting Advice: avoid mounting at the following locations, because this will affect the range:

- in a distribution box or housing made from metal
- in the immediate vicinity of large metal objects
- on the ground (or near it).

Programming and Operating Modes

For programming (see "Memorizing the Transmission codes (Programming)" there are 3 programming modes for the 3 operating modes of the radio control.

The programming modes are displayed by different LED flashing patterns.

Prog. Mode	Operating Mode	LED Flashing Pattern
1	ON/OFF (2-button operation)	
2	ON/OFF (1-button operation), Button operation > 1.6 seconds: OFF	
3	Dead Man's Mode (Relay is triggered as long as the transmitter button is pressed)	

You can change from the operating mode to the programming mode 1 and from one programming mode to the next by briefly (< 1.6 sec.) pressing the programming button: Operating Mode –> Programming Mode 1 –> Programming Mode 2 –> Programming Mode 3 –> Operating Mode etc.

Memorizing the Transmission Codes (Programming)

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

Note: Generally you only have to transfer the code of one button per transmitter channel. The code of the other transmitter buttons will be assigned automatically.

1. Briefly (< 1.6 sec.) press the programming button.
   Programming mode 1 is activated. The LED flashes. If necessary change the programming mode (see "Programming and Operating Modes").
2. Press and hold a transmitter channel button. As soon as the code has been memorized, the LED lights up for 4 sec. and than flashes again. Release the transmitter button.
3. Repeat step 2 with the other transmitters. The receiver can memorize up to 32 transmitter codes.
4. Briefly (< 1.6 sec.) press the programming button to return to the operating mode.

Note: In case of longer power failure the programming of the receiver remains.

Deleting Specific Codes

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

1. Keep the programming button pressed for more than 1.6 sec. The delete mode is activated. The LED flashes rapidly.
2. Press the selected transmitter channel 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 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 pressed for more than 1.6 sec. The delete mode is activated. The LED flashes rapidly.
2. Press the programming button again and keep it pressed for more than 1.6 sec. As soon as 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 to return to the operating mode.

General Information

Disposal

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

Hereby, ELDAT EaS GmbH declares that the radio equipment type RCJ06 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, 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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