Programming button with LED

L N ⊻ + −
230 V AC | 12-24 V DC

Antenna

RX03E5001-01

Technical data

Power supply:	12-24 V DC or 230 V AC
Current consumption:	
at 24 V DC:	approx. 15 mA (Receive) approx. 22 mA (Transmit)
at 230 V AC:	approx. 29-35 mA
Frequency:	868.30 MHz
Radiated power:	1.0 mW
Modulation:	FSK
Transmission delay:	300 ms
Operating temperature:	-20°C to +60°C
Range:	open field: approx. 150 m buildings: approx. 30 m
Dimensions:	70 x 49 x 26 mm (without antenna)
Weight:	approx. 40 g (incl. antenna)

Package content

RX03 Radio repeater, Operating instructions

Safety advice

⚠ Carefully read through these instructions before connecting and operating the radio repeater!

Caution! Electrical installation at an operating voltage of 230 V AC may only be carried out by a qualified electrician!

Observe the applicable laws, standards and regulations as well as the operating instructions of the radio transmitters which codes are to be memorized!

Have faulty radio repeaters checked by the manufacturer!

radio repeater!

Warning! Take care not to damage the antenna insulation! The antenna could be live!

Intended use

The unit may only be used as a radio repeater for Easywave radio telegrams.

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

Function

The Junction Box Repeater receives radiograms of Easywave transmitters and retransmits these radiograms with a transmission delay of 300 ms. So the range of Easywave radio transmitters can be extended.

After transmit a radiogram, the repeater does not react to further radiograms for one second.

The Junction Box Repeater can alternatively be operated with 12-24 V DC or 230 V AC.

Start-up

1. Mount the radio repeater in a junction box and use the junction box cover to close the junction box.

2. Connect the power supply (12-24 V DC or 230 V AC) as follows.

    12-24 V DC: **+** and **−**

    230 V AC: **L** and **N**

    Caution! Observe the applicable electrical regulations!

After start-up, the radio repeater is in the operating mode.

As long as no Easywave transmitter code is memorized into the radio repeater, every received Easywave radio telegram will be retransmit. During receiving a radio telegram, the LED flashes for a short time. During retransmitting, the LED flashes a little bit longer.

Mounting advice: Avoid mounting at the following locations, as 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).

Memorizing transmitter codes

So that the radio repeater only retransmits definite radio telegrams, you have to memorize the codes of the corresponding Easywave transmitters into the radio repeater.

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 press the programming button (< 1.6 secs.). The programming mode is activated. The LED flashes.

2. Press and hold a transmitter button. If the code has been memorized, the LED lights up for 4 secs and than flashes again. Release the transmitter button.

3. Repeat step 2 with the other transmitters. You can memorize up to 16 transmitter codes into the radio repeater.

4. Briefly press the programming button (< 1.6 secs.) in order to return to the operating mode.

Note: After memorizing the first transmitter code, the radio repeater only retransmits the telegrams of memorized transmitters.

Note: In case of longer power failure programming remains.

Deleting specific transmitter codes

In the delete mode you can delete specific transmitter codes.

1. Keep the programming button pressed for more than 1.6 secs. 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 secs and than flashes again rapidly.

3. Repeat step 2 with another transmitter or press briefly the programming button (< 1.6 secs.) in order to return to the operating mode.

Reset (Deleting memory completely)

In the Reset mode you can delete all codes memorized into the radio repeater.

1. Keep the programming button pressed for more than 1.6 secs. The delete mode is activated. The LED flashes rapidly.

2. Press the programming button again and keep it pressed for more than 1.6 secs. If the memory has been deleted completely, the LED lights up for 4 secs and than flashes again rapidly.

3. Briefly press the programming button (< 1.6 secs.) in order to return to the operating mode.

Note: If all codes have been deleted, the radio repeater will retransmit every Easywave radio telegram again.

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.
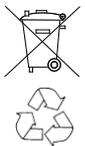
Warranty

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 GmbH declares that the radio equipment type RX03 is in compliance with Directive 2014/53/EU. CE

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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