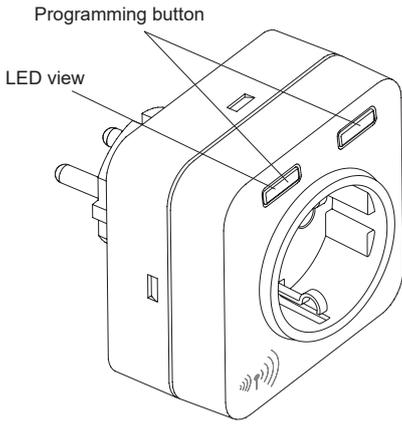


Models



RXP05E50A01

Technical Details

Frequency:	868.30 MHz
Radiated power:	1.18 mW
Modulation:	FSK
Coding:	Easywave EasywavePlus EasywaveDaten
Power supply:	230 VAC
Power consumption:	0.5W standby
Current consumption:	Receive: 3.3 mA Transmit: 4.3 mA
Transmission delay:	270 ms
Range:	150 m in good free-field conditions
Operating temperature:	-20°C to +35°C
Max. relative air humidity:	60%
Mains output:	Power plug (non switchable)
Max. contact load:	16A / 230V AC
Dimensions (W/H/xT):	71.4/71.4/75.5 mm
Weight:	approx. 120 g

Scope of Delivery

Plug-in socket repeater RXP05, operating instructions

Intended Use

The unit may only be used as a Repeater for Easywave telegrams.
The manufacturer shall not be liable for any damage caused by improper or non-intended use!

Safety Advice



Please read these instructions carefully before using the device!

We do not accept any liability for personal injury or damage to property caused by incorrect handling or non-observance of the safety instructions!

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

Attention! Observe the admissible supply voltage and the maximum contact load of the wall outlet (16A, 230VAC/50Hz)!

Do not plug one Power plug repeater into another.

The device is only de-energized when it is disconnected from the mains supply.

The device must be easily accessible.

Do not open the appliance's casing!

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

Have malfunctioning devices checked by the manufacturer

Function

The RXP05 receives all Easywave telegram types, and repeats them in transparent mode or cascade mode. This effectively increases the radio range of Easywave transmitters.

32 transmission codes can be programmed into the repeater.

TRANSPARENT MODE

If there is no Easywave transmission code programmed into the repeater, each received Easywave telegram is repeated with a delay of 270 ms. When a telegram is received, the LED will flash briefly. When a telegram is sent, the LED will light up for the duration of the transmission process.

Once a transmission code has been programmed into the repeater, transparent mode will no longer be available. In order to re-enable use of this mode, each transmission code must be manually deleted or a RESET must be performed.

Telegrams from other repeaters (transparent or cascade mode) are NOT forwarded in transparent mode!

CASCADE MODE (Figure 1)

If several repeaters are required to build a transmission path, they must be operated in multiple levels in cascade mode, to prevent "build-up" in the system. For this purpose, the transmission codes of the Easywave transmitters used must be programmed into the repeaters at different levels. (see "Programming transmitters", page 2)

Level structure: Transmission codes emitted by repeaters are only forwarded (repeated) to repeaters that are in the next level up. This prevents transmission codes being constantly sent back and forth between repeaters, and the transmission path being blocked.

Transmitters should therefore be programmed in such a way that the transmitter is programmed at level 1 in the repeater furthest away from the receiver.

This repeater's repeated telegrams are then only accepted by repeaters at level 2, with the result that telegrams in the "middle" repeater must always be programmed at level 2.

The last repeater is then fitted within the reception range of the receiver, and the transmission code is programmed into level 3 here. This repeater only accepts telegrams from repeaters in level 2.

Transmitter behaviour: "Normal" transmitters' transmission codes are accepted by repeaters in each level, and forwarded based on the programmed level. This ensures that receivers can be switched from any position as required, using programmed transmitters.

Receiver behaviour: Repeater telegrams, regardless of which level they are programmed into, are always accepted by Easywave receivers. This means that it is not always necessary to use all three available repeater levels.

However, depending on the use in each case, it must be ensured that only a repeater at the last level in use is within range of the receiver.

Repeater in transparent mode: Telegrams from repeaters in transparent mode are accepted by repeaters in cascade mode at level 1, as would be expected with a conventional Easywave transmitter.

Therefore, one (!) repeater can alternatively be used as "level 0" if the 3 regular levels are insufficient in cascade mode.

Repeaters in which the relevant telegram is programmed at level 2 or 3 reject all telegrams from a repeater in transparent mode.

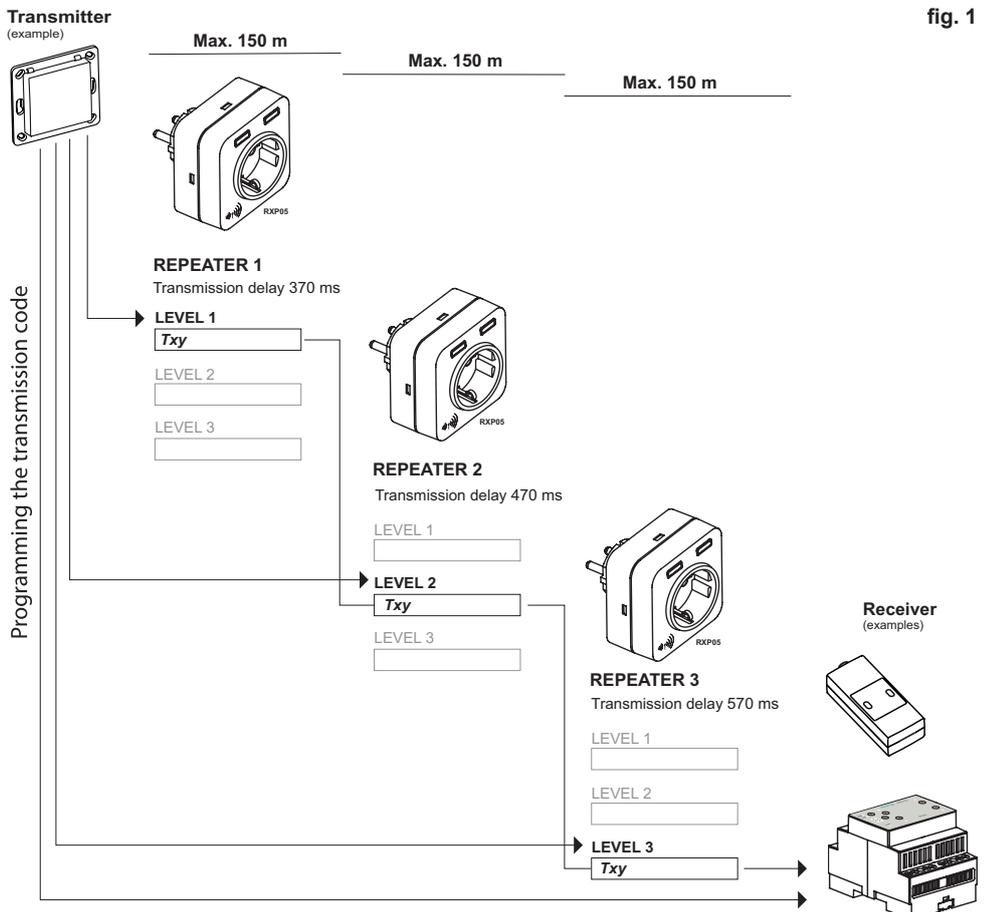


fig. 1

START UP

1. Plug the repeater into a properly functioning earthed outlet. The repeater is ready for operation now.
2. Teach the coding of the Easywave transmitter into the repeater (see section „Programming the transmission code“).



Attention! Ensure an interference-free wireless connection. Do not install the device in a distribution box, metal housings or close to large metal objects.

PROGRAMMING

Programming the transmission code

If transmitters with 2- or 3-button operation are used, generally only the code for one button needs be transmitted. The code for the associated buttons is assigned automatically.

Both programming buttons have the same function and can be used as desired for programming.

Program transmitter in level 1

1. Press the programming button **once briefly** (< 1.6 seconds).
The LED blinks on and off.
2. Press a button on your transmitter.
3. The transmitter has been successfully programmed. The LED turns off.

Program transmitter in level 2

1. Press the programming button **twice briefly** (< 1.6 seconds).
The LED flashes in a 2-blink pattern.
2. Press a button on your transmitter.
3. The transmitter has been successfully programmed. The LED turns off.

Program transmitter in level 3

1. Press the programming button **three times briefly** (< 1.6 seconds).
The LED flashes in a 3-blink pattern.
2. Press a button on your transmitter.
3. The transmitter has been successfully programmed. The LED turns off.

If the transmission code has been saved, the LED lights up for around 2 seconds and the repeater returns to operating mode.

A transmitter can only be programmed at one level. If a programmed transmission code is programmed at another level, the transmitter will be assigned to the new level.

Deleting specific transmitter codes

1. Press and hold the programming button (>1.6 seconds) until the LED flashes quickly.
2. Press one button on your transmitter. If the transmission code has been deleted, the LED will light up for around 2 seconds and the repeater switches to operating mode.

Deleting all transmission codes (Reset)

1. Press and hold the programming button (>1.6 seconds) until the LED flashes quickly.
2. Press and hold the programming button (>1.6 seconds) until the LED lights up for 4 seconds. This will delete all transmission codes programmed. The repeater switches to ready mode. Transparent mode is active again.

Note: All programming and deletion processes can be cancelled by briefly pressing the programming button or by waiting for around 30 seconds until the receiver switches to operating mode, the LED turns off.

TROUBLESHOOTING

- 1-button operating modes switch twice, or, after switching on, switch OFF again immediately: there is an overreach, and 2 or more telegrams are reaching the receiver. This could be 2 repeaters or 1 transmitter and 1 repeater. Ensure that only 1 transmitter or repeater is within range of the receiver, or use a 2-button operating mode.
- Individual telegrams are not repeated: check whether the repeater is in transparent mode. Activate transparent mode by performing a RESET, or program the telegram into the repeater. Check that the telegram has been programmed at the right levels of the repeaters in use.
- There is just one short pulse on the receiver when in deadman operating mode: the duration of the telegrams is not being evaluated by the repeaters. "Deadman" operating mode can only be used as a "pulse" to a limited extent.

GENERAL INFORMATION

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 unauthorised tampering or modifications shall render this warranty null and void.

Conformity



ELDAT EaS GmbH hereby declares that the radio equipment type RXP05 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 has been damaged, please contact your retailer or the manufacturer.

ELDAT EaS GmbH

Schmiedestraße 2
15745 Wildau
Germany
Phone: + 49 (0) 33 75 / 90 37-310
Telefax: + 49 (0) 33 75 / 90 37-90
Internet: www.eldat.de
E-mail: info@eldat.de