

**REMOTE CONTROL RELAY**  
 bi-stable receiver

**RS-407 B**

**WARRANTY.** The F&F products are covered by a warranty of the 24 months from the date of purchase. Effective only with proof of purchase. Contact your dealer or directly with us. More information how to make a complaint can be found on the website: [www.fif.com.pl/reklamacja](http://www.fif.com.pl/reklamacja)



Do not dispose of this device in the trash along with other waste! According to the Law on Waste, electro coming from households free of charge and can give any amount to up to that end point of collection, as well as to store the occasion of the purchase of new equipment (in accordance with the principle of old-for-new, regardless of brand). Electro thrown in the trash or abandoned in nature, pose a threat to the environment and human health.

**PURPOSE**

Electronic relays are used for radio remote control of gates, shutters, lighting, arming alarm systems, etc. The remote control system consisting of a transmitter (remote) and receiver (relay). There is a possibility of cooperation between many transmitters to one receiver and one transmitter to multiple receivers.



**FUNCTIONING**

The impulse caused by the push of a button on the remote control to send a coded signal to the receiver. Remote control is protected against break transmission after releasing the button.

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Short press <1 sec exits from the state of programming.

Press and hold PROG >8 sec will erase the memory. After the operation, erasing out of the nonvolatile memory are erased all data on the pilots, and then the memory is formatted for re-programming.

RS-407B receiver cooperate with dedicated production units F&F: RS-P transmitter (remote control) and RS-N (transmitter under plaster).

**SIGNALLING OF RECEIVER STATE**

Red LED:

- random flashing: receiving data mode
- flashing quickly: delete of memory
- Long flash: memorizing function (remote control)
- short flash: function (pilot) already defined
- 3 flashes: memory full
- long flash: formatting memory after turn on
- short red flash: memory test when after turn on

Green LED

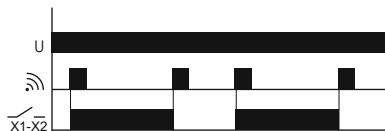
- flashing 1 sec: learning mode
- Long flash: activation of output

**ASSEMBLY**

1. Turn OFF the power
2. Power cable connect to relay accordance to mark; phase cable L to black cable, neutral cable N to blue cable.
3. Controlled receiver connect in line to relay terminals X1 and X2 (brown cables).
4. Pair of relay transmitter (programming).
5. Turn ON the power.

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Thanks to this, even the shortest activation function is the full frame of data transmissions. Data transmission from the remote control is indicated by flashing of red LED on the remote. At the time of diagnosis will change the location of the signal receiver on the opposite interface (ON/OFF).



The range of the system is up to 100 m (Range depends on many factors, among others, on: the weather (humidity), terrain characteristics (reflection), placement of the receiver and transmitter, and all kinds of obstacles such as walls).

**ATTENTION!**

**Before the final assembly of the receiver to make the tests.**

The receiver is equipped to the PROG button, which allows link the remote / button on the receiver and resets the receiver memory.

**PROGRAMMING**

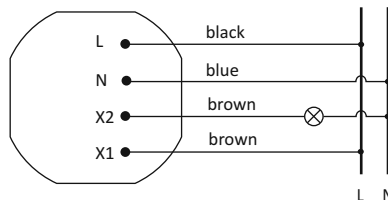
Press and hold the PROG button >5 sec enters into a state of programming. After entering the learning mode, the receiver is waiting for incoming transmissions from the remote (Pressing the remote button). Followed by verification of the program. If the button of the remote control has not been programmed it will record identifying information. During one open programming session, the receiver can be attributed to many control remotes. The non-volatile memory can save up to 32 remotes. There is a possibility of cooperation between many transmitters to one receiver and one transmitter to multiple receivers.

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**TECHNICAL DATA**

power supply	230V AC
current load	<5A
contact	separated 1xNO
signalling of receiving / programming	red LED
state of contact	green LED
power consumption	0.8W
connection	4xLY 1mm <sup>2</sup> ; l=10cm
working temperature	-25÷50°C
dimensions	Ø55, h=21mm
mounting	to under plaster box Ø60
ingress protection	IP20

**WIRING DIAGRAM**



D160208

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