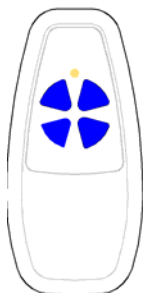


Receiver RX 433



Technical features

Model: Vega central receiver

Power supply	230V a.c. $\pm 10\%$ 50Hz
Current with cos ϕ 1 load resistivo	10 A
Current with cos ϕ 0.4 carico induttivo	4 A (max 500W)
Nominal tension on the contacts	250V a.c. 50Hz
Max usage time (relè)	120 sec.
Temperature extremes	-20 \div +60°C
Receiver frequency	433.92 MHz
Intermediate frequency	± 70 KHZ
Band Width a -3dBm	± 300 KHZ
Transmitter 4CH	
Power suppli alcaline battery	12V $\pm 10\%$
Maximum consumption	25 mA
Modulation	AM/ASK
Temperature of exercise	-10 \div 55°C

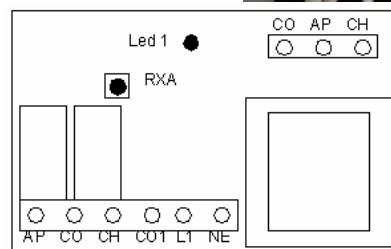


FIG 1

2- Press transmitter key 1; the unit Led 1 turns OFF. Press transmitter key 1 again; Led 1 flashes 3-4 times and then remains ON. The transmitter is now programmed in the central unit.

Transmitter

Codes are directly inputed to the transmitters during factory assembly, using codes that all differ.

WARNING:

The product in object must be installed from the technical staff ONLY characterized in the respect of the inherent norms the field automatic openings

1) GENERAL DESCRIPTION

The Receiver 433VEGA is an electronic device for remote control of motors for roller blinds, shutters and similar. You can connect to each Receiver only one motor at 230V a.c. up to rating 500W, or drive via the neutral output contact units, that control a series of motors or anything else that does not need a contact under tension.

The unit controls the motor as required by commands from the transmitter or from a push-button that can be wired to the unit.

The unit can memorise up to six transmitters while if a centralisation is needed, one transmitter can control a series of receivers.

The transmitter sends a UHF radio signal with the 66 figure Rolling Code recognition number, which is then recognised by the receiver in which it was memorised.

The unit container is not IP55, but must be positioned in an area protected from the weather

The transmitter keys are coupled to the unit as follows:

On the single control key 1 closes "CH" and 2 opens "AP"

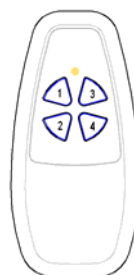
On the general control key 3 closes "CH" and 4 opens "AP"

2) CODE MEMORISATION

Receiver Unit 433

To memorise transmitter codes in a receiver RX proceed as follows:

1- Press and keep pressed for 1 second the key RXA (while the key is pressed, the green Led (LD1) remains off, and on release this Led lights again)



Red Led sound signal

Individual command 1 - 2

General command 3 - 4

3) CODE CANCELLATION

Cancelles codes from 433 central unit

To cancel the codes in a receiver unit 433 keep the key RXA pressed for the necessari time and until the Led 1 stars to flash; then release the key, the codes have been cancelled.

FIG 2

4) PROCEDURE FOR THE GENERAL COMMAND

In this chapter we describe the procedure to memorise two transmitter keys as a general command.

In the example we centralise three motors; to each single unit we codify its transmitter, using the procedure described in Chapters 1 and 2. We can now memorise transmitter (A) as the general unit, and we proceed as follows:

Press key RXA and keep it pressed for 1 second (while pressed, the green Led (LD1) remains OFF, and comes ON when the key is released).

Press key 1 on the transmitter TXA; Led1 on unit RXA turns OFF. Press key 3 on the transmitter TXA and Led1 on RXA flashes 3-4 times and remains ON. The transmitter is now programmed in the central unit RXA.

(A) To memorise as general the keys 3 and 4 of TXA in RXB, proceed as follows:

1. Press key (B) on RXB for one second.
2. Press key 3 on TXA; Led 1 on RXB turns OFF.
3. Press key 4 on TXA and Led 1 on RXB flashes 3-4 times.
4. Now, pressing keys 3-4 on TXA both RXA and RXB move at the same time.

(B) To memorise as general the keys 3 and 4 of TXA on RXC proceed as follows:

5. Press key (C) on RXC for one second.
6. Press key 3 on TXA, Led 1 on RXC turns OFF.
7. Press key 4 on TXA and Led 1 on RXC flashes 3-4 times.
8. Now, pressing keys 3-4 on TXA, RXA, RXB and RXC all move at the same time.

To memorise a higher number of remote controls, proceed as shown in the examples A and B above.

If you wish to memorise the general command on another transmitter as well, say TXB, proceed as described above, starting from RXB and TXB to initiate memorisation.

Memorisation from the transmitter

NB this system can only be used to programme one further transmitter.

Open the battery area cover of an already coded transmitter and press key 5 (fig.2).

Led 1 on the unit flashes and turns OFF. Press key 5 again. The Led 1 on the unit flashes once and lights again.

Press key 1 **on the transmitter to be coded**. Led 1 on the unit turns OFF. Press key 1 on the **new transmitter** again and Led1 flashes 3-4 times and remains ON. The transmitter is now programmed in the central unit.

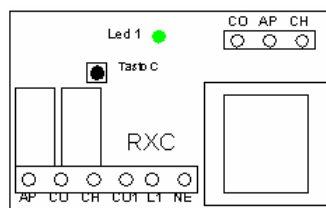
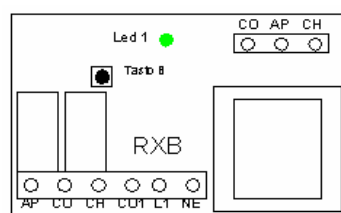
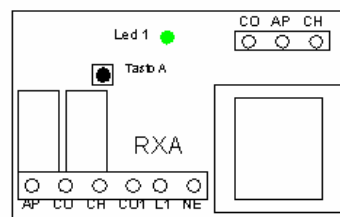
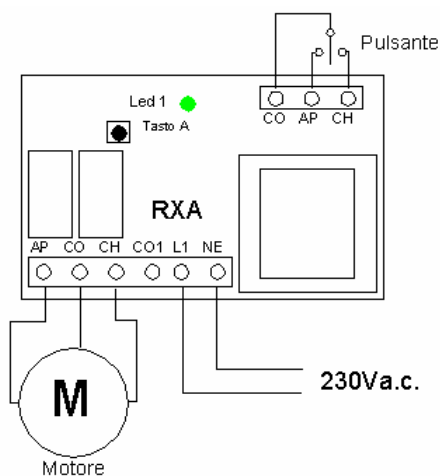
5) CONNECTION DIAGRAM

Connect the motor as to the diagram:

AP = opens the brown or black wire according to the motor position.

CH = closes the black or brown wire, as to the motor position.

CO = blue common wire.



PUSHBUTTON

The pushbutton serves to control the unit if there is a fault to the transmitter. The unit operates normally even without installation of the pushbutton.