

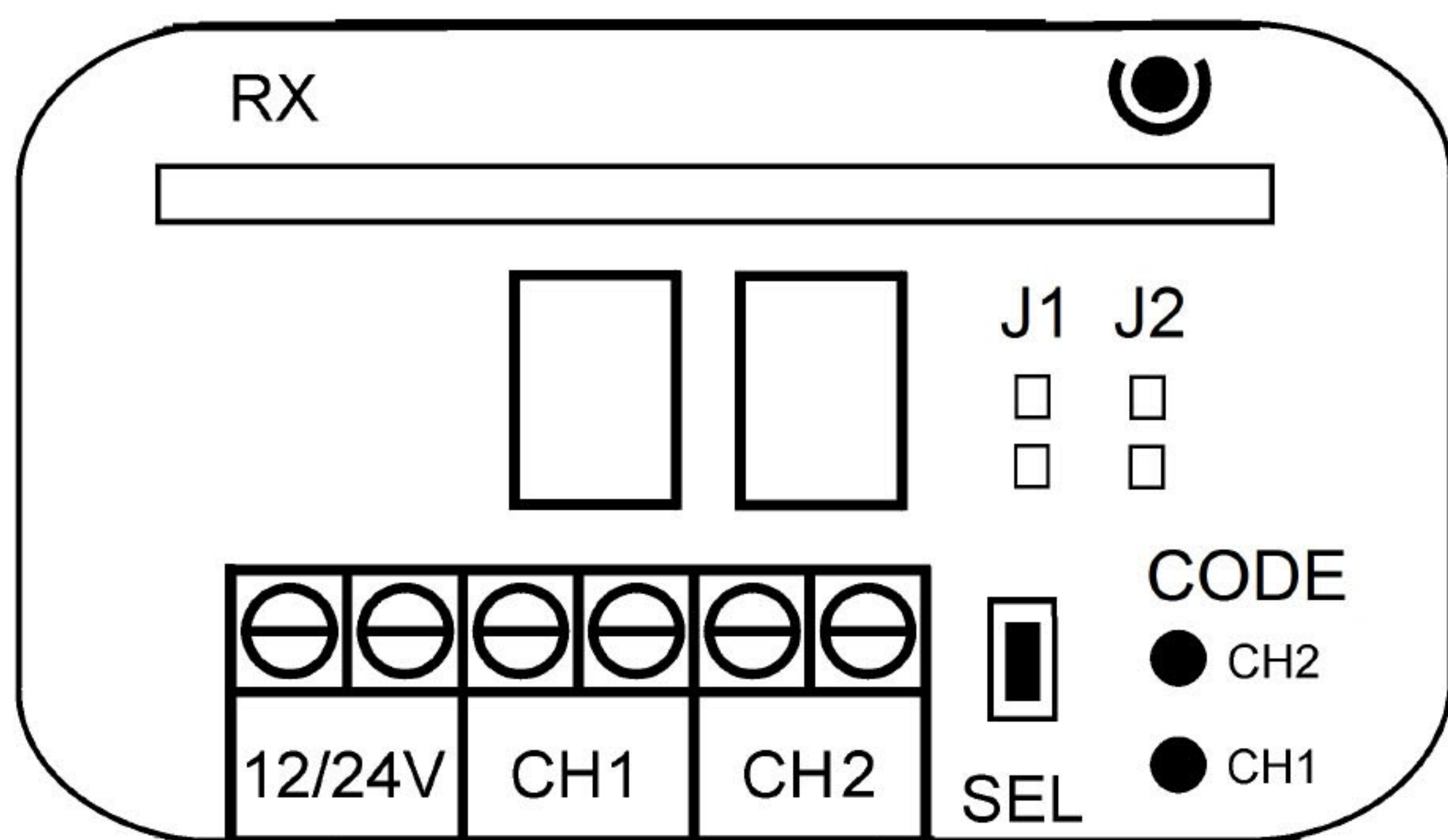
# RXX 2301 DUAL CHANNEL RECEIVER **GB**

The RXX 2301 dual channel Mini radio receiver allows the remote control of electric and electronic devices when coupled with one or more transmitters.

- Mod. **RES 2301** : Narrow band ( up to 64 Bit ) 433,92 MHz
- Mod. **RXH 2301** : Narrow band ( up to 64 Bit ) 868,30 MHz

## TECHNICAL DATA

- Work frequency: see model
- Power supply: 12-24 VAC-DC
- Max. consumption: 5W
- Op. transmitters: Fixed code 12-18-32 Bit  
Rolling Code 66 Bit
- TX codes that can be memorised (CH1 + CH2): 250 Max
- Control relay: 30 VDC 1A
- Working temperature: -10÷55°C
- Dimensions: 35x52x21mm
- Capacity in open space: 25-50m
- Protection rating: IP 40



## CONNECTIONS OF THE CN1 TERMINAL BOARD

- 1: Power supply 12-24 VAC-DC
- 2: Power supply 0V
- 3: "Normally open" contact output CH1
- 4: "Normally open" contact output CH1
- 5: "Normally open" contact output CH2
- 6: "Normally open" contact output CH2

## INSTALLATION OF THE RECEIVER

It is very important to choose the place of installation carefully in order for the transmitter and the receiver to function well. Capacity is not only conditioned by the technical features of the device, but also varies depending on the radio-electric conditions of the site. The receiver has a tuned antenna.

The antenna must be positioned where it can be seen well away from metal structures.

There must be a distance of at least 5 metres between the two receivers if installation is to be successful.

## CH1 AND CH2 FUNCTIONING METHOD

The receiver can manage the two channels separately and also allows to have different functioning modes:

**Channel CH1:** monostable functioning only with possibility of activation of Long Distance Programming.

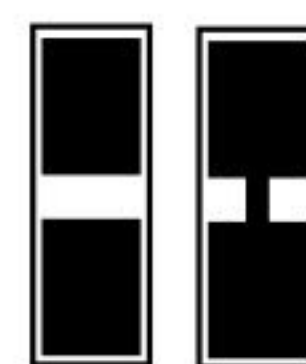
**Channel CH2:** by setting Jumper J1 and J2, it is possible to select the following functioning modes for channel CH2 (in long distance functioning mode it is monostable).

J1 J2



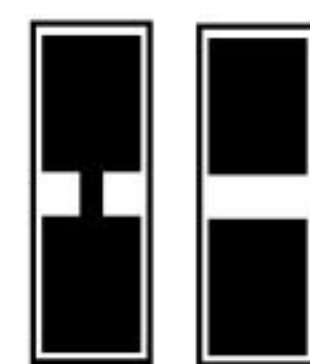
Monostabile

J1 J2



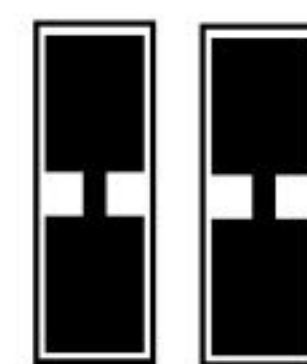
Pgm a distanza  
(CH1 e CH2 )

J1 J2



Temp. 120 sec.

J1 J2



Bistabile

## Important !!!! :

Jumper J1 and J2 selection can be achieved by putting or removing a drop of melted puddle through a welder in the above modes.

## PROGRAMMING MODE

The programming of the radio controls to be associated is the Self-learning type and is performed in the following way: press SEL once, the CODE CH1 LED, it will start to flash and at the same time sends the pre-selected code with the radio control to a distance of a few metres. When the LED remains on, programming in the CH1 channel will be completed. To memorise a radio control code in channel CH2, perform the same procedure described above and pressing the SEL key twice.

If the user attempts to perform the procedure for programming a Radocomando already in memory or not compatible, the CODE LED will begin to flash quickly for a few seconds indicating the impossibility, then return again to the programming phase.

The memorisation procedure can be repeated up to a max. of 250 codes. When the memory is full by repeating the programming operation, the CODE CH1 and CODE CH2 LEDs will start to flash very quickly, indicating that no more memorisations can take place.

## RULE OF THE FIRST MEMORIZED RADIO CONTROL

In radio controls programming there is the following rule: if the first Memorized radio control is a Rolling Code one, the receiver will accept only Rolling Code radio controls, with more anti-Intrusion safety; if instead the first memorized radio control has fixed Code, the receiver will accept both fixed codes and Rolling Code Radio controls.

## LONG DISTANCE PROGRAMMING METHOD

The long distance programming of radio controls is obtained by setting Jumper J1 and J2 in Long Distance Pgm Mode.

In this way the receiver allows programming of the transmission code, without intervening directly on the SEL key.

The long distance transmission code is programmed as follows: send a radio control code, previously-memorised in a channel, continuously for longer than 10 seconds. At the same time the receiver will enter the programming mode, as described below, for both channels.

## RESET

If the receiver must be restored to factory configuration (i.e. no code memorised), press the SEL key continuously for 5 seconds. The CODE CH1 and CODE CH2 LEDs will flash three times quickly and then switch-off.



**IMPORTANT FOR THE INSTALLER**

- The control unit must be supplied by SELV (safety extra low voltage) or SELV equivalent power limited source. The loads connected to the relays must also comply with an extra low safety voltage.

**IMPORTANT FOR THE INSTALLER**

- The device must never be used by children or persons with reduced physical-psychological abilities, unless supervised or trained on the functioning and the use modalities.
- Do not allow children to play with the device and keep the radio-controls away from their reach.
- ATTENTION: keep this instruction manual and respect the important safety prescriptions contained herein. The non compliance with the prescriptions may cause damages and serious accidents.
- Frequently examine the plant to detect any signs of damaging. Do not use the device if a repair intervention is necessary.

**RES 2301 – RRS 2301 – RXH 2301**

**Receivers:**

are in compliance with the specifications of the *RED* 2014/53/EU Directives.



The full text of the EU Declaration of Conformity is available at the following Internet address:

<http://www.seav.it>