DUEVI

# RX2 AP

## 2 CHANNELS WIRELESS RECEIVER

# INSTRUCTION MANUAL

**(VERSION 2.4)**

We thank you very much for choosing our product.
Now we would like to invite you to read carefully the following instructions before installing the product in order to use all its capacities.

CE

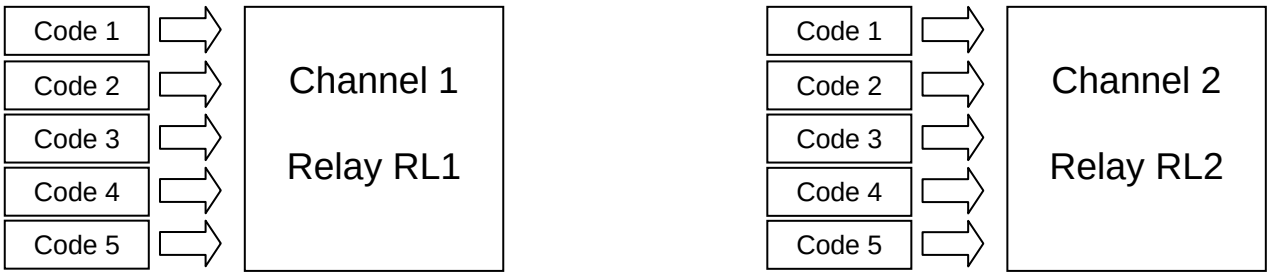
This electronic device is compliant to the essential requirements of the European Union (EU) norms, concerning the electromagnetic compatibility and the electric safety.

# RX2 AP: 2 channels wireless receiver

Warning: THE INSTALLER TECHNICIAN MUST FOLLOW THE NORMS OF THE COUNTRY WHERE THE PRODUCT IS INSTALLED. DUEVI DECLINES ANY RESPONSIBILITY IN CASE OF IMPROPER USE OF THE CUSTOMER OR WRONG INSTALLATION.
DO NOT INSTALL THE DEVICE IN HUMID LOCATIONS OR EXPOSED TO EXTREME TEMPERATURES. FOR A SOLID AND RELIABLE IMPLANTATION IT IS INDISPENSABLE TO MAKE SURE THAT THE SURFACE OF THE WALL IS FLAT. FIX THE DEVICE AT AN HEIGHT THAT ALLOWS AN EASY ACCESS FOR THE USER. INSTALL THE DEVICE IN A LOCATION COVERED BY A VOLUMETRIC DETECTOR.

**DUEVI DECLINES ANY RESPONSIBILITY IN CASE OF IMPROPER USE OF THE CUSTOMER. EVENTUAL MODIFICATIONS CARRIED OUT FROM NOT SPECIALIZED STAFF CAN DAMAGE THE DEVICE.**

**RX2 AP** is a 2 channels self-learning receiving device with 2 independent relay outputs. Each channel may store up to 5 wireless devices (sensors and remote controls). Each channel is related to a relay output with voltage-free contacts, that can be used as needed.
The device, enclosed in a plastic case, has an integrated antenna and allows to use wired control panels with the Duevi series wireless detectors.




## 1. MEMORY TOTAL RESET

Before using the receiver, it is advisable to make a total reset of the memory, in order to delete any codes that may be programmed in factory test.
Press and maintain pressed the button **S1** while giving power supply to the device. Continue to press the button until, after about 5 seconds, you will ear 3 short beeps followed by a long one. Now you can release the button. The Reset is completed.

## 2. WIRELESS CODE PROGRAMMING

To enter in this mode, you have to close the jumper **JP2**.
The device will emits 2 beeps and will light on **Ld3**, meaning it is positioned on the channel 1 (RL1); furthermore if the memory position is empty it will light on also **Ld1**, otherwise if it is occupied will light on **Ld2**.
Now the receiver is positioned on the Code 1.

To select the following Code, press shortly **S1**. You will ear as many beep as the number of the Code (Code2 = 2 beep, Code3 = 3 beep).
After the 5 Codes related to Channel 1, the device pass to the 5 Codes related to Channel 2 (**Ld3** will turn off and **Ld4** turns on).

If you want to store a detector or a remote control on the selected Code Position, press for few seconds **S1** until **Ld2** will light on (or **Ld1** turns off). Now the receiver is waiting for a wireless code; transmit with the sensor or the remote control to be programmed.. The receiver confimrs the code memorization with the blinking of **Ld3**.

Repeat this programming operation for any wireless device to be programmed on the receiver, than open the jumper **JP2** in order to exit from Programming mode.

## 3. "ONLY REMOTE CONTROLS" MODE (jumper C13 closed)

In this working mode, the TXS remote controls are the only device that is considered by the receiver. Even if other devices are allowed to be programmed, **that devices will be completely ignored by the receiver**. It is possible to program up to 10 TXS remote controls, selecting than with the jumper **JP3** the working mode of both the channels (RL1 and RL2).

JP3 closed = **BISTABLE OUTPUTS**
Pressing Red Key, the RL1 is armed – Pressing again the RL1 is disarmed
Pressing Green Key, the RL2 is armed – Pressing again the RL2 is disarmed

JP3 open = **IMPULSIVE OUTPUTS**
Pressing Red Key, the RL1 is armed and after 2 seconds automatically disarmed
Pressing Green Key, the RL2 is armed and after 2 seconds automatically disarmed

## 4. SENSORS MODE (jumper C13 open)

In this working mode it is possible to use both sensors and remote controls, selecting with the jumper **JP3** the working mode of the Channel 1 (RL1) with remote controls.

JP3 closed = **RL1 BISTABLE OUTPUT**
Pressing Red Key the RL1 is armed – Pressing Green Key the RL1 is disarmed

JP3 open = **RL1 IMPULSIVE OUTPUT**
Pressing any key of the remote control the RL1 is armed and after 2 seconds automatically disarmed

**IMPORTANT NOTICE: The working mode of the relay outputs (RL1 and RL2) with the SENSORS is always IMPULSIVE, even if JP3 is closed. For every transmission of sensor, the receiver will arm the corresponding output relay and than disarm after 2 seconds.**

## 5. TSR MODE

It is possible to use the reciever also with the 48bit TSR (Siren transmitter). To program the TSR code it is sufficient to press the tx tamper button on the TSR.
The receiver works in different modes, depending on the setting of the jumper JP3.

JP3 closed = **BISTABLE OUTPUTS**
Channel1 (RL1) is armed when TSR transmits an "ARM" code, disarmed when it transmits a "DISARM" one.
Channel2 (RL2) is armed for 2 seconds when TSR transmits an "ALARM" code

JP3 open = **IMPULSIVE OUTPUTS**
Channel1 (RL1) is armed for 2 seconds when TSR transmits an "ALARM" code
Channel2 (RL2) is armed for 2 seconds when TSR transmits a "DISARM" code

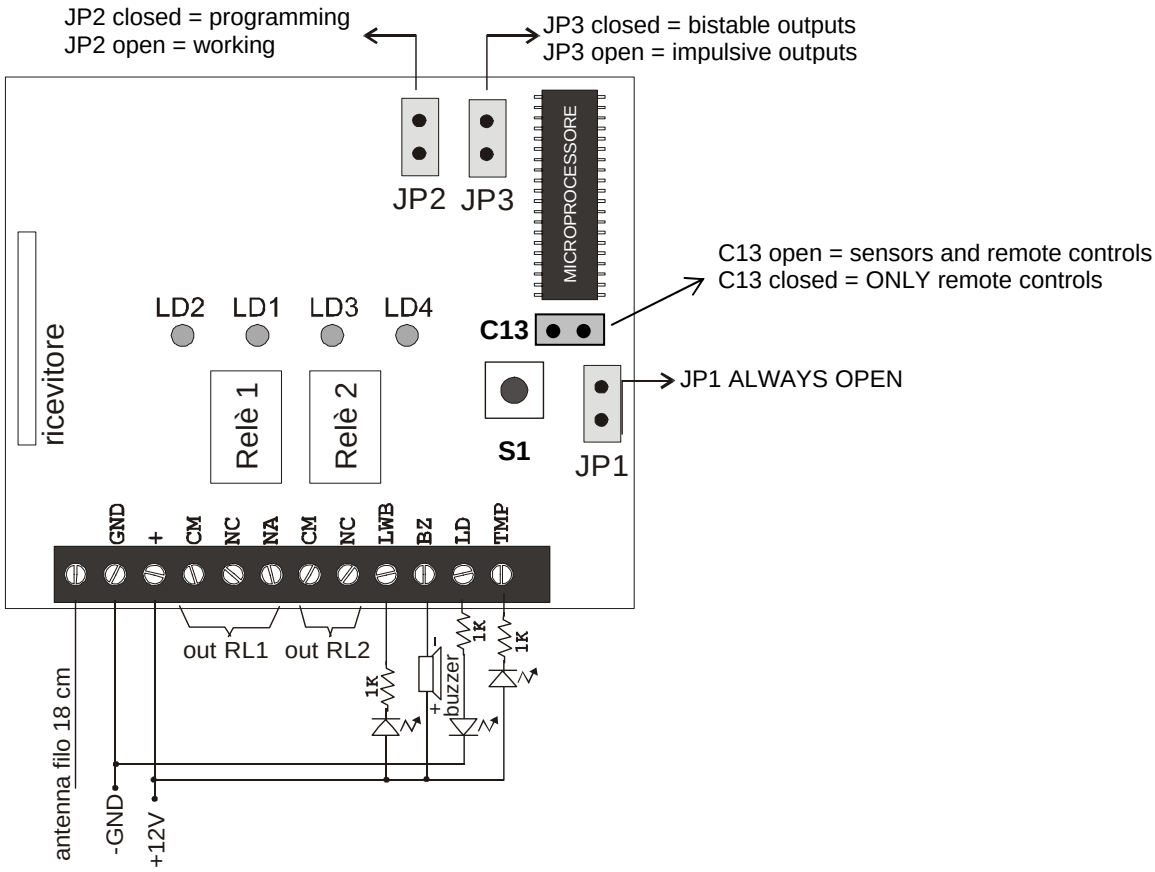
# IMPORTANT NOTICE

The RX2AP receiver works properly

ONLY with the new family of device with suffix 100;

for example CTSR-100 / DIRRV-100 / TXS-100 etc.

## 6. CONNECTING DIAGRAM




| | | |
|---|---|---|
| JP1 | **LEAVE ALWAYS OPEN** | |
| JP2 | open | Working Mode |
| | closed | Programming Mode |
| JP3 | open | Impulsive Outputs |
| | closed | Bistable Outputs |
| C13 | open | Sensor and Remote Controls MODE |
| | closed | ONLY Remote Controls MODE |

| | Lighted on |
|---|---|
| LD1 | Free Position |
| LD2 | Occupied Position |
| LD3 | Channel 1 |
| LD4 | Channel 2 |

## 7. TECHNICAL FEATURES

| | |
|---|---|
| CHANNELS | 2 alarm channels, with selectable impulsive or bistable working mode |
| OUTPUTS | 2 relays, one per channel. |
| BUZZER OUTPUTS | for acoustic test of wireless range |
| RANGE | 100m in open field |
| FREQUENCY | >430 MHz |
| POWER SUPPLY | 12 Vdc - 15 mA |
| DIMENSIONS | 150 x 100 x 45 mm |