

4-CHANNEL RECEIVER RXX 2306

GB

Programmable 4-channel radio receiver with timed functions and power outputs with potential free contact, possibility of controlling by means of wired inputs and of gathering the outputs by choosing among pre-determined options.

- Mod. **RES 2306**: Narrow band 433,92 MHz
- Mod. **RXH 2306**: Narrow band 868,30 MHz

IMPORTANT FOR THE INSTALLER

- The control unit must be powered by a SEL V or SEL V equivalent source (safety extra low voltage) at limited power.
- All operations that require the casing to be opened (installation, programming, repairs, etc.) must be performed only by qualified personnel.
- The fixing of power and connection cables must be secured through the use of optional cable glands supplied.
- Fix the control unit to a wall, using the relevant support which is fitted to the casing, in such a way as to leave said support facing downwards and insert the fixing screws in the special holes.

IMPORTANT FOR THE USER

- The device can be used by children over 8 years of age and persons with reduced physical or psychological abilities or with little knowledge and experience only if supervised or educated in its operation and safe use, in order to also understand the dangers involved in its use.
- these instructions are available on the website www.seav.com
- Do not allow children to play with the device and keep the remote controls out of their reach.
- Frequently examine the system to detect any signs of damage. Do not use the device if it is in need of repair work.
- Always remember to disconnect the power supply before carrying out any cleaning or maintenance.
- Cleaning and maintenance must not be carried out by unsupervised children

ATTENTION: keep this instruction manual safe and observe the important safety requirements contained herein. Failure to comply with the requirements may cause damage and serious accidents.

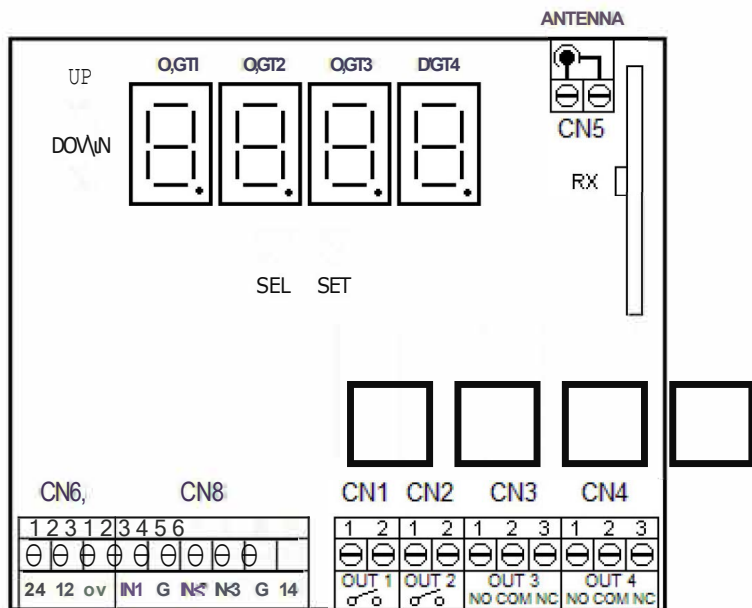
Radio Receiver RES 2306 - RXH 2306

comply with the specifications of the Directives:
RED 2014/53/EU, EMC 2014/30/EU, LVD 2014/35/EU.

CE

TECHNICAL DATA

- Power supply: 12-24V AC/DC
- Max. consumption: 6 W
- Op. remote control: 12/18 Bit or Rolling Code
- 4 inputs x wired controls (NO): 12 VDC
- Storable devices different from each other: 500 Max
- 4 Relay outputs (NO / NC) : 230 VAC 8A Load Max.
- Operating temperature: -10 °C ÷ 55 °C
- Dimensions: 110x121x47mm
- Container: ABS (UL94V-0)
- Protection rating: IP54
- Remote control capacity in open space: 30-70 metres



TERMINAL BOARD CONNECTIONS

CN6:

- 1 : Power supply input 24V AC/DC.
- 2 : Power supply input 12V AC/DC.
- 3 : Wired control input OV.

CN8:

- 1 : Wired control input (NO) for CH 1.
- 2 : Common control input.
- 3 : Wired control input (NO) for CH 2.
- 4 : Wired control input (NO) for CH 3.
- 5 : Common control input.
- 6 : Wired control input (NO) for CH 4.

CN1:

- 1 : Relay output OUT 1 potential free control contact (NO).
- 2 : Relay output OUT 1 potential free control contact (COM).

CN2:

- 1 : Relay output OUT 2 potential free control contact (NO).
- 2 : Relay output OUT 2 potential free control contact (COM).

CN3:

- 1 : Relay output OUT 3 potential free control contact (NO).
- 2 : Relay output OUT 3 potential free control contact (COM).
- 3 : Relay output OUT 3 potential free control contact (NC).

CN4:

- 1 : Relay output OUT 4 potential free control contact (NO).
- 2 : Relay output OUT 4 potential free control contact (COM).
- 3 : Relay output OUT 4 potential free control contact (NC).

CN5:

- 1 : Mass input.
- 2 : Antenna hot pole input.

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 related to the device technical data, but also varies depending on the site's radio-electric conditions.

The receiver is equipped with a rigid wire section antenna. Connect an RG58 50 OHM coaxial cable tuned antenna if wanting to increase sensitivity. Place the antenna externally in clearly visible points and away from metal structures.

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

FUNCTIONING MODE

The receiver can manage 4 channels in combination with wired or remote control commands (up to 500).

We recommend you write down the corresponding "storage position - user name". The default setting of the receiver is monostable operation for all 4 channels, but different operating modes can be selected for each of the 4 channels or for the intended combinations.

SELECTION AND CONFIGURATION KEYS

The receiver is equipped with 4 Selection and Configuration keys and a 4-Digit Display to view the selected settings.

UP - DOWN keys: pressing UP or DOWN scrolls the possible selections and storage locations forward or backward.

SEL - SET keys: these are used to choose a selection or to configure a function.

SELECTIONS MENU:

| DISPLAY | SELECTIONS LIST |
|---------|----------------------------------|
| CH1 | OUT 1 storages and settings |
| CH2 | OUT 2 storages and settings |
| CH3 | OUT 3 storages and settings |
| CH4 | OUT 4 storages and settings |
| ALL | OUT 1-2-3-4 storage and settings |
| CH12 | OUT 1-2 storages and settings |
| CH34 | OUT 3-4 storages and settings |
| PASS | Enter Password from 0 to 9999 |
| DISP | Display of configuration status |

FUNCTIONS MENU FOR CHANNEL:

| DISPLAY | SELECTABLE FUNCTIONS |
|---------|-------------------------------------------------------------------------------|
| RCD | Programming Radio controls from 001 to 499 |
| MONO | Monostable |
| 81ST | Bistable |
| TEMP | Timed from 0 to 9999 seconds |
| T - 81 | Bistable Timed from 0 to 9999 seconds with possibility of deactivating output |
| T - RE | Re-triggerable Timed |
| D - CH | Delete radio controls of selected channel |

DISPLAY MESSAGES:

| DISPLAY | MESSAGE |
|----------------------------|--------------------------------------------------------------------------------|
| STOR | Stored |
| DELE | Deleted |
| SURE | Are you sure? |
| OFF | No PassWord |
| ON | Yes PassWord |
| . (DOT) on DGT1 | Storage Position taken CH1 or function Selected on CH1 |
| . (DOT) on DGT2 | Storage Position taken CH2 or function Selected on CH2 |
| . (DOT) ON DGT3 | Storage Position taken CH3 or function Selected on CH3 |
| . (DOT) on DGT4 | Storage Position taken CH4 or function Selected on CH4 |
| . (DOT) on DGT... + DGT... | Storage Position taken CH ... + CH ... or function Selected on CH ... + CH ... |

SELECTION OF CHANNEL AND PROGRAMMING OF RADIO CONTROLS

The receiver can store up to 500 different Radio controls selected for each or for certain combinations of the 4 channels. First of all you must select one of the available memories as follows: using the UP or DOWN keys, go to **CH1 - CH2 - CH3 - CH4 - ALL - CH12 or CH 34**. Press SEL and SET to confirm (the selection made will be viewed when the relative DOTS flash). Then using the UP or DOWN keys, go to **RCD** and press SEL and SET to confirm. The receiver proposes the first storage position free (visible on display from **001 to 499**). Press SEL and SET. The DIGIT relative to the location where you are storing starts the flash. At the same time send the code with the Radio control. The display views **STOR** and you exit the procedure.

To delete a Device previously stored, using the UP or DOWN keys go to the location of the occupied storage position. Press SEL. The corresponding DOT LED starts to flash. Press SET to confirm. The Display views **"SURE"** (Yes = press SET, NO = press SEL). If you confirm, the display views **"DELE"**, to complete the operation.

To delete all the radio controls stored on one or a combination of the 4 channels, using the UP or DOWN keys, go to **CH1 - CH2 - CH3 - CH4 - ALL - CH12 or CH 34**. Press SEL and SET to confirm. Then, using the UP or DOWN keys, go to **D-CH** and press SEL and SET to confirm. The display views **"SURE"** (Yes = press SET, NO = press SEL). If you confirm, the display views **"DELE"**, to complete the operation.

FAST PROGRAMMING OF RADIO CONTROLS

Fast programming allows you not to have to select a new storage location every time for a further radio control, but to store them one after the other. To activate it, proceed as described above, but keep the SEL and SET keys pressed while the DIGITS are flashing. The control unit will automatically go to the next free storage location after each storage operation.

SELECTION OF CHANNEL AND OF OPERATING MODES

The receiver allows you to select different operating modes for each or combination of the 4 channels: first of all select the available channel as follows: using the UP or DOWN keys, go to **CH1 - CH2 - CH3 - CH4 - ALL - CH12 or CH 34**. Press SEL and SET to confirm. Then select one of the following functions:

MONO : **Monostable (default)**, the output corresponding to the activated channel will remain active for a time equal to activation on the radio control or specific control button.

81ST : **Bistable**, the output corresponding to the activated channel changes status when activated on the radio control or specific control button.

TEMP : **Timed**, the output corresponding to the activated channel will remain active for the set time interval, and it cannot be re-launched until this time expires.

T - EI : **Bistable Timed**, the output corresponding to the activated channel will remain active during the set time interval. If a control is pressed before the set time expires, the output will be deactivated.

T - RE : **Re-triggerable Timed**, The output corresponding to the activated channel will remain active during the set time interval. If a control is pressed before the set time expires, the set time will be re-launched.

The **MONO** and **81ST** functions are selected as follows: using the UP or DOWN Keys, go to the desired function and press SEL and SET to confirm. The display views **SURE**. If you press SET, the display views **STOR**, to complete the operation.

Programming with Timer functions is carried out as follows: using the UP or DOWN Keys, go to the desired function and press SEL and SET to confirm. The display will allow you to store a time interval between 0 and 9999 seconds, indicating that you are in the storage phase when the DIGITS flash. After having set the desired duration, press SET. The display views **STOR**, to complete the operation.

1SAFETY PASSWORD (P A S S)

A numerical password can be stored in the **PASS** position (default = **OFF**) to disable or enable programming of the receiver, as follows:

Using the UP and DOWN keys, go to the **PASS** storage position and press SEL and SET. The DIGITS start to flash and, using the UP and DOWN keys, you may select a number between 1 and 9999. Press SET (the display will view **STOR**) to complete programming of the password. From this moment on, you may view the stored settings but you cannot change them.

To remove the Password entered previously and modify the settings of the receiver, using the UP and DOWN keys, go to the **PASS** storage position and press SEL and SET. The DIGITS start to flash. Using the UP and DOWN keys, select the previously selected password and press SET. The display will view **SURE**. By pressing SET, the display will view **OFF**, confirming that the Password has been removed.

Repeat the above operation to enter a new Safety Password.

N.B.: *if you enter a wrong password you have to wait 5 minutes to repeat the operation and then 1 hour.*

1RECEIVER SETTINGS DISPLAY

With the receiver you can display in succession all of the previously stored settings, as follows: use the UP or DOWN button to go to the **DISP** storage position and press SEL, the display will show in succession all of the previously stored settings.

1RESET

If you need to reset the default configurations (operation allowed only if Pass = **OFF**) press SEL, SET, UP and DOWN simultaneously. The display will view **SURE**. By pressing SET, the display will view the position - - - - thus completing the RESET procedure.

N.B.: *the display turns off after 1 minute of inactivity to save energy.*