



ALLMATIC 4 channels Rolling Code Receiver Instruction Manual

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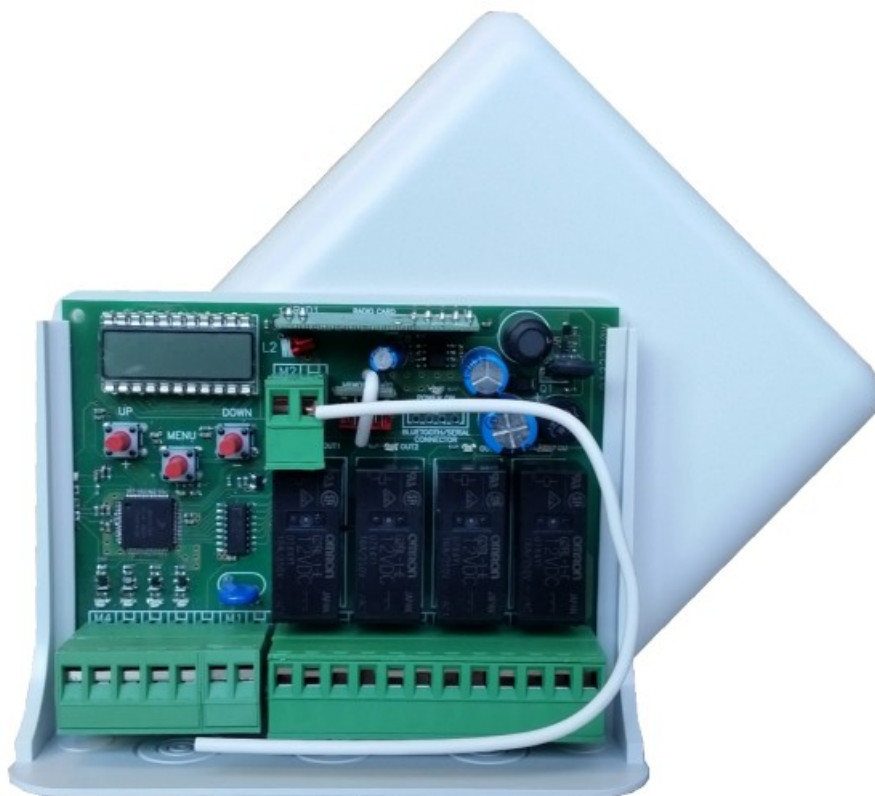
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4 channels Rolling Code Receiver



B.RO X40 DISPLAY

4 channels Rolling Code receiver, with display.



REMARKS

Please read this instruction manual very carefully before installing and programming your control unit. After the installation keep this instruction in a safe place for any further consultation.

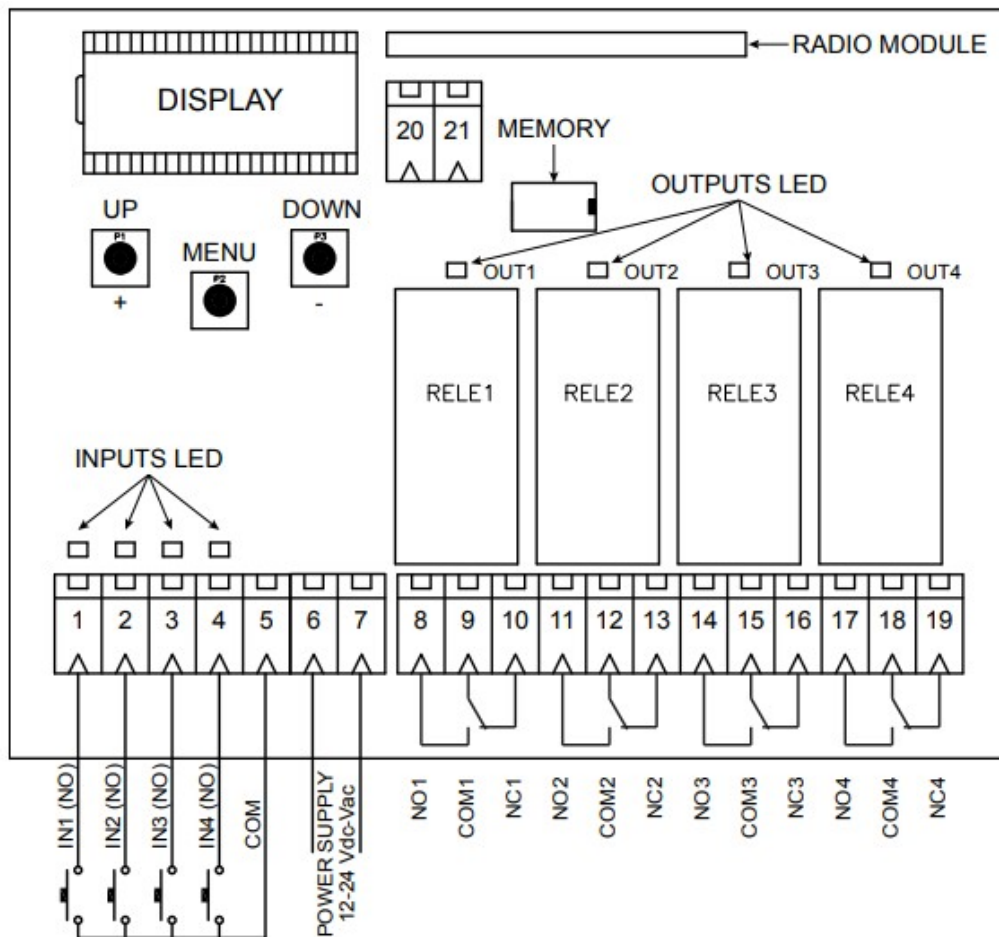
- The device must not be used by people (children included), whose physical, sensory and mental capacities are reduced, or without experience or knowledge, unless they could benefit through the intermediation of a person responsible for their safety, of a surveillance or of instructions related to the use of the device.
- Children must be kept under surveillance to make sure that they do not play with the device.
- If the power supply's cable is damaged, it must be replaced by the manufacturer or by his assistance service or in any case by a person with similar status in order to prevent any risk.
- This instruction manual is only for qualified technicians, who specialize in installations and automations.
- The contents of this instruction manual do not concern the final user.
- Every programming and/or every maintenance service should be done only by qualified technicians.
- The installer must provide the installation of a device (es. magnetothermal switch) that ensures the omnipolar sectioning of the equipment from the power supply.

DESCRIPTION

B.RO X40 Display is a 4-channels Rolling Code receiver compatible with all Allmatic Rolling Code remotes. This device has an easy and intuitive functioning thanks to the display interface and 3 buttons. 4 relay outputs are available with dry contact normally open (N.O.) and/or closed (N.C.). Outputs can work with 4 different modes: dead man, step by step, timed and timed with delay. Each output can be controlled by a dedicated wired input or by a single key of a memorized transmitter. The output function is directly associated to the input command and no to the relay.

The learning of a key of a transmitter can be realized with 3 procedures: default learning (customizable), sequential and advanced. Power supply 12-24 Vdc/Vac with automatic selection of the voltage.

ELECTRICAL CONNECTIONS



CONNECTIONS

- 1-5: wired input (N.O. contact) for relay 1.
- 2-5: wired input (N.O. contact) for relay 2.
- 3-5: wired input (N.O. contact) for relay 3.
- 4-5: wired input (N.O. contact) for relay 4.
- 6-7: power supply.
- 8-9: relay output 1 (N.O. contact).
- 9-10: relay output 1 (N.C. contact).
- 11-12: relay output 2 (N.O. contact).
- 12-13: relay output 2 (N.C. contact).
- 14-15: relay output 3 (N.O. contact).
- 15-16: relay output 3 (N.C. contact).
- 17-18: relay output 4 (N.O. contact).
- 18-19: relay output 4 (N.C. contact).
- 20: antenna braiding.
- 21: antenna.

LEARNING OF A TRANSMITTER

The device has available 3 modality for the learning of a transmitter:

- Default learning – press briefly the UP (+) button for the activation.
- Sequential learning – press briefly the DOWN (-) button for the activation.
- Advanced learning – press briefly the MENU button for the activation.

ATTENTION: outputs are disabled during the learning.

3.1 – DEFAULT LEARNING

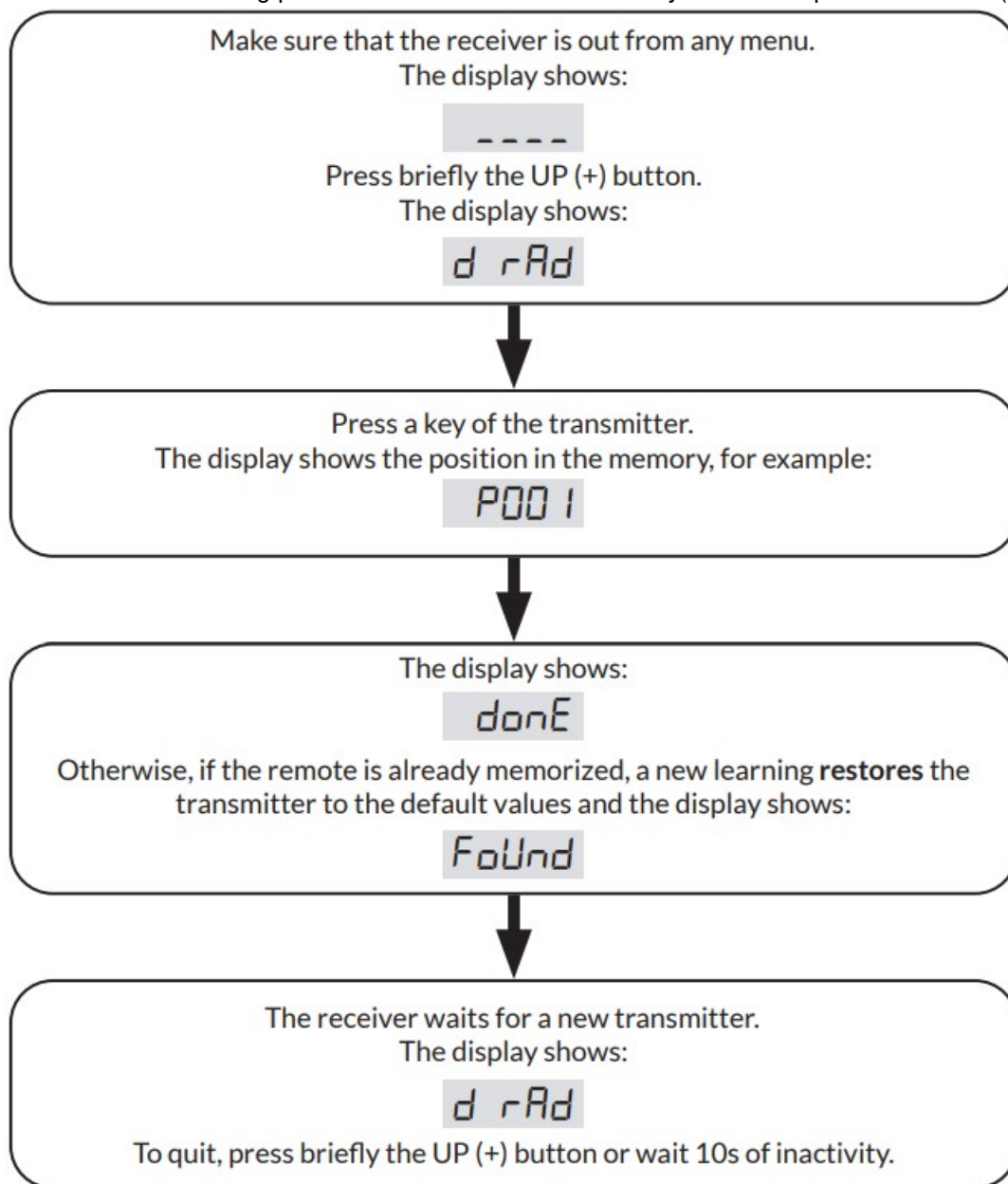
The default learning memorizes all keys of a remote control with a single press of a key.

The memorized transmitter will have the same settings of the default transmitter. The default transmitter is stored

in the memory and his parameters could be personalized inside the **Mod IF** menu with the selection of the **PdEF** position (see paragraph 4.2).

If the remote is already memorized, a new learning restores the transmitter to the default values.

The receiver exits from the learning phase after 10 seconds of inactivity or with the press of the UP (+) button.



NOTE.

The default transmitter leaves the factory with the following settings:

- Key 1 (`b01`) activates OUT1 output (`CHO 1`) with dead man function (`FOO`).
- Key 2 (`b02`) activates OUT2 output (`CHO2`) with dead man function (`FOO`).
- Key 3 (`b03`) activates OUT3 output (`CHO3`) with dead man function (`FOO`).
- Key 4 (`b04`) activates OUT4 output (`CHO4`) with dead man function (`FOO`).
- Keys from 5 to 16 (`b05...b 16`) are with dead man function (`FOO`), but they are not associated to any outputs.

ATTENTION: with the default learning, B.RO OVER and TECH3 PLUS transmitters are associated to outputs in this way:

- Upper key (`b01`) activates OUT1 output (`CHO 1`) with dead man function (`FOO`).

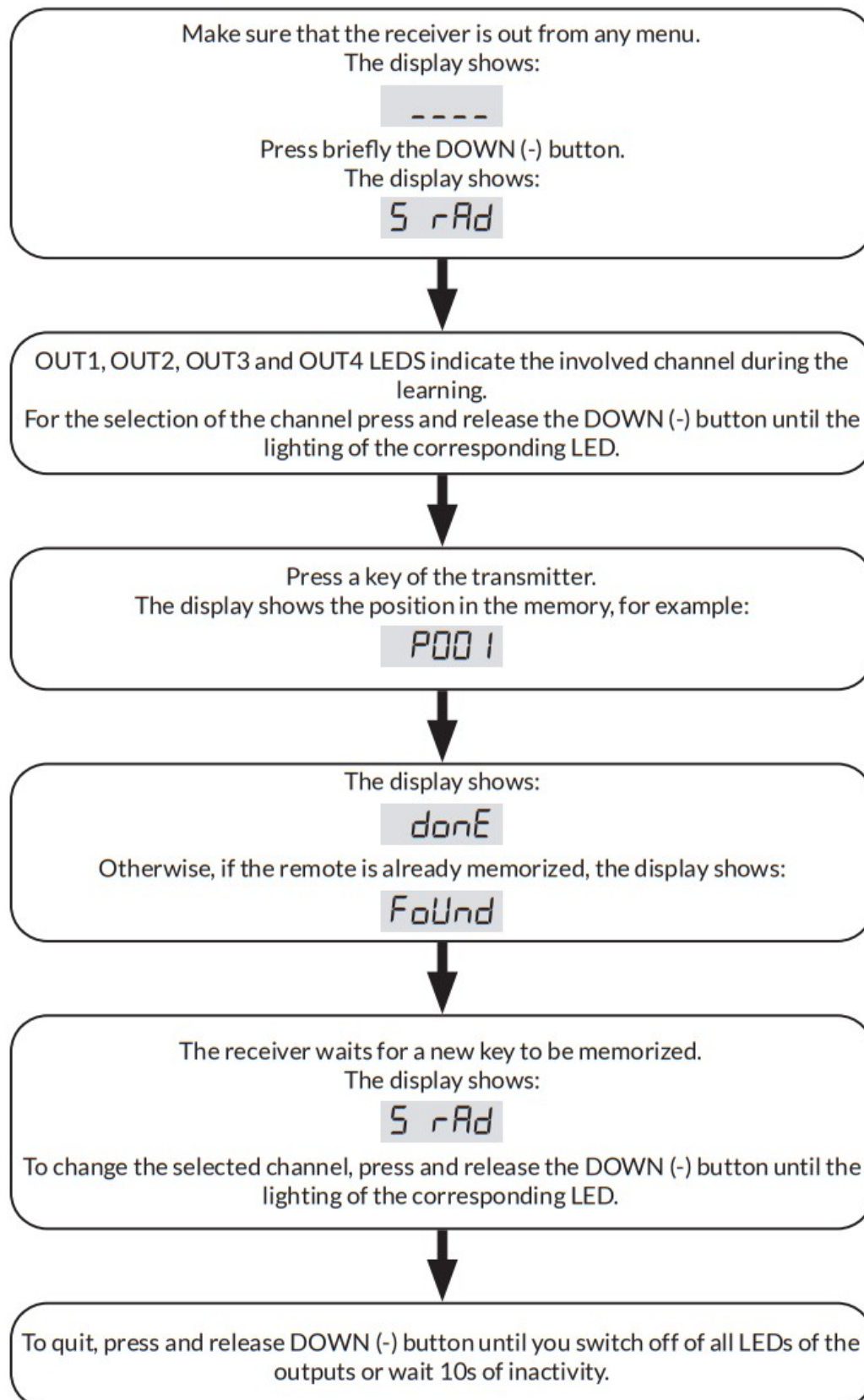
- Central key (*b03*) activates OUT3 output (*CH03*) with dead man function (*F00*).
- Lower key (*b02*) activates OUT2 output (*CH02*) with dead man function (*F00*).

3.2 – SEQUENTIAL LEARNING

The sequential learning memorizes the single key of a transmitter and it associates the key on the desired output. To the stored key is assigned the DEAD MAN function.

The receiver exits from the learning phase after 10 seconds of inactivity or with the multiple press of the DOWN (-) button.

This learning is activated also with the press of the hidden key of a stored remote control. For the selection of the desired output, press more times the hidden key.



3.3 – ADVANCED LEARNING

The advanced learning memorizes the single key of a transmitter.

During the learning phase it is possible to set the parameters of the memorized remote control. See paragraph 4 for more information about single parameters.

The receiver exits from the learning phase after 10 seconds of inactivity or with the press of the MENU **button**.

Make sure that the receiver is out from any menu.
The display shows:

Press briefly the MENU button.
The display shows:

A rAd

Press a key of the transmitter.
The display shows:

nE''

Otherwise, if the remote is already memorized, the display shows:

FoUnd

Select the location of the transmitter in the memory with UP (+) and
DOWN (-) buttons of the receiver.

The display shows:

P00 1

Otherwise, if the remote is already memorized in that location, the display shows:

P00.1

With UP (+) and DOWN (-) buttons it is possible to change the location where a
transmitter is stored.

Press and hold the MENU button until the display shows:

F00

if the key is already memorized, the display shows the previous function of the
key:

F01 F02 F03

Select the function of the key with UP (+) and DOWN (-) buttons.

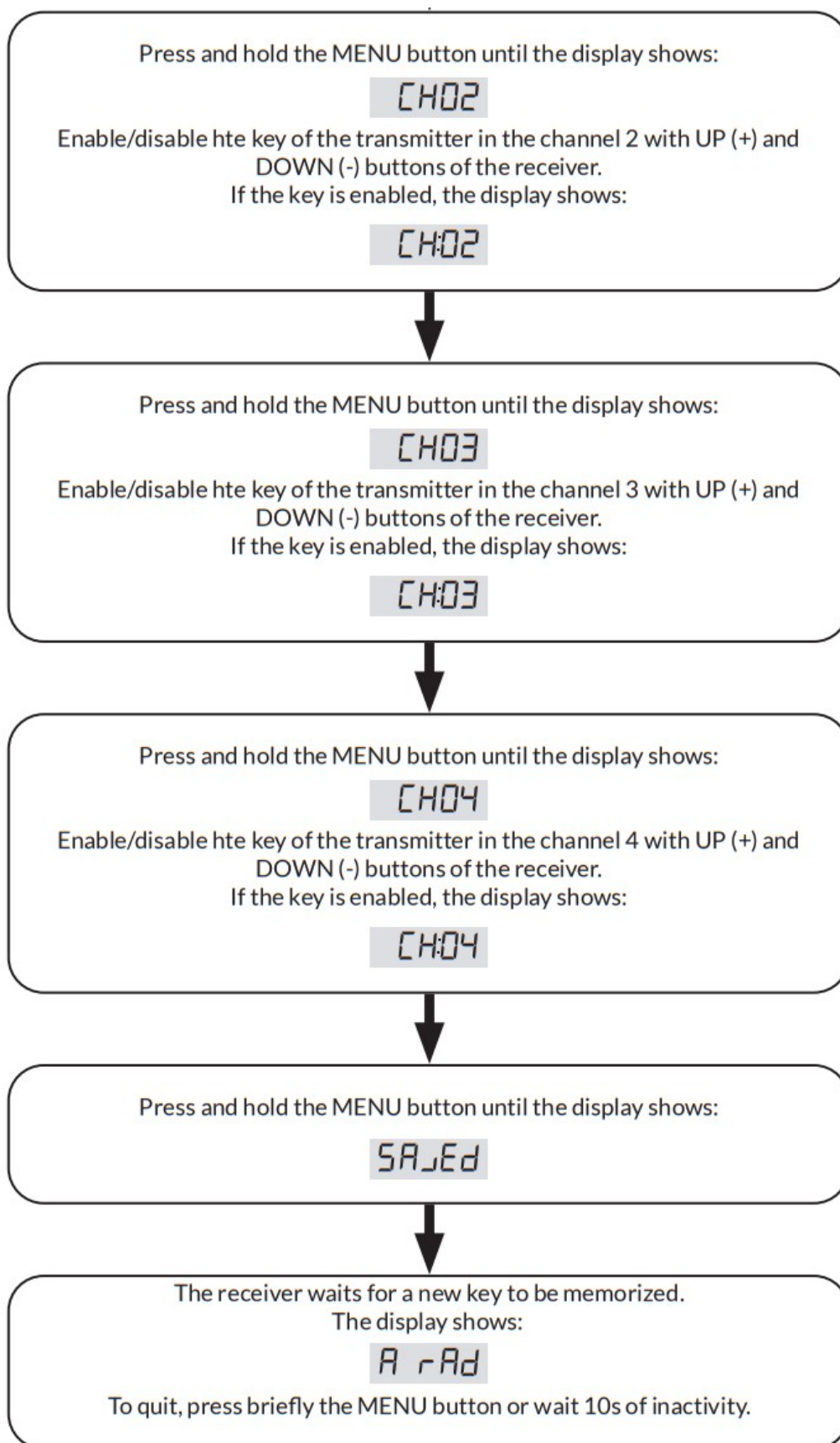
Press and hold the MENU key until the display shows:

CH0 1

Enable/disable the key of the transmitter in the channel 1 with UP (+) and
DOWN (-) buttons of the receiver.

If the key is enabled, the display shows:

CH:0 1



WARNING: the short pressure of the MENU button during the parameter selection returns the process to the previous point. For example: the brief pressure of the MENU button in channel 1 enabling menu (the display shows **CH01**) returns the process to the selection of the function (the display shows **F00** or the last function selected).

----- PARAr, Pld HEYb HI dEI nPUt rE nE dEF nDdI F t rF b iroL
SA'n SEE PARAr, Pld HEYb HI dE b iroL I nPUt I 0 1, I 02, I 03 oI 04
L iFE L iFE
1-65535 5

dLY dLY
FUncE F00 F0 I F02 F03 rEi nE L iFE dLY 0-255 2 Pld P0000
P Err HEYb HI dE b iroL I nPUt 0 I 23

b05...b 16

PARAr, I nPUt I 0 I FUncE F03 I nPUt rE nE r0 I L I FE I dLY 30
PARAr, I nPUt I 03 FUncE F02 I nPUt rE nE r03 L I FE I 800 PARAr,
I nPUt I 04 FUncE F02 rE nE L I FE 43200 nOd iF PdEF bE n b0 I
F00 CH:0 I CH02 CH03 CH04 PdEF bE n b02 F00 CH0 I CH:02 CH03
CH04 PdEF bE n b03 F0 I CH0 I CH02 CH:03 CH04 PdEF bE n b04 F0 I
CH0 I CH02 CH03 CH:04

FErr I PrESS E7E I E7E2 E7E3 E7E4 E7Ed
Po'Er

CH0 I F00 t rF b iroL SA'n d80, d79, ..., d0 I, d00 F don

FErr I SEE PrESS not P000 P0:00 PrESS L iFE dLY L iFE

--- _ _ _ _ _ 3 6 _ _ _ _ _

__ 6d rAd 5 rAdA rAddonE nE' Found

PdEF P00. I P00 I d don 'A it F don

CLEAR

```

dEF d80,d79,...,d0 1,d00 d don iF P0.0.0 P0.0.1 PdEF P000
dEL EnAb iouE btr b0 1,b02,...,b 15,b 16 FUnc t F00 F0 1 F02 F03
CH0 1,CH02,CH03,CH04 dEL 0 d20,d 19,...,d 1,d0 CLEAR EnAb iouE
iouE P000 P0.0.1 iouEd btr

```

```

rt iE r0 1,r02,r03 or 04 LIFE dLY

```

Go to the menu item **INPUT**.

The display shows:

INPUT

Select the wired input using the UP (+) and DOWN (-) buttons of the receiver.

The display shows:

101 or **102** or **103** or **104**



Select the wired input using the UP (+) and DOWN (-) buttons of the receiver.

The display shows:

101 **102** **103** **104**

Press and hold the MENU button
until the display shows:

FUNC



Press and hold the MENU button until the parameter blinks.

Select the desired function with the UP (+) and DOWN (-) buttons of the receiver.
Confirm the change with a long pressure of the MENU button.

Go to the menu item **rE nE**.

The display shows:

rE nE

Press and hold the MENU button
until the display shows:

r01

or **r02**

or **r03**

or **r04**

Select the output with the UP (+) and DOWN (-) buttons of the receiver.

The display shows:

r01

r02

r03

r04

Press and hold the MENU button until the display shows:

LIFE

o

dLY

Select the desired parameter with the UP (+) and DOWN (-) buttons.

Press and hold the MENU button until the parameter blinks.

Set the desired value using the UP (+) and DOWN (-) buttons.

Confirm the change with a long pressure of the MENU button

Select the button to modify with the UP (+) and DOWN (-) buttons of the receiver.

The display shows:

b01

-

b16

Press and hold the MENU button until the display shows:

F00

If the key was already saved, the display can show the function previously
assigned:

F01

F02

F03

Select the desired function with the UP (+) and DOWN (-) buttons.

Press and hold the MENU button until the display shows:

CHO1

Enable/disable the transmitter key in the output channel 1 with the UP (+) or
DOWN (-) buttons of the receiver.

If the button is enabled, the display shows:

If the button is enabled, the display shows:

CH01



Press and hold the MENU button until the display shows:

CH02

Enable/disable the transmitter key in the output channel 2 with the UP (+) or DOWN (-) buttons of the receiver.

If the button is enabled, the display shows:

CH02



Press and hold the MENU button until the display shows:

CH03

Enable/disable the transmitter key in the output channel 3 with the UP (+) or DOWN (-) buttons of the receiver.

If the button is enabled, the display shows:

CH03



Press and hold the MENU button until the display shows:

CH04

Enable/disable the transmitter key in the output channel 4 with the UP (+) or DOWN (-) buttons of the receiver.

If the button is enabled, the display shows:

CH04



Press and hold the MENU button until the display shows:

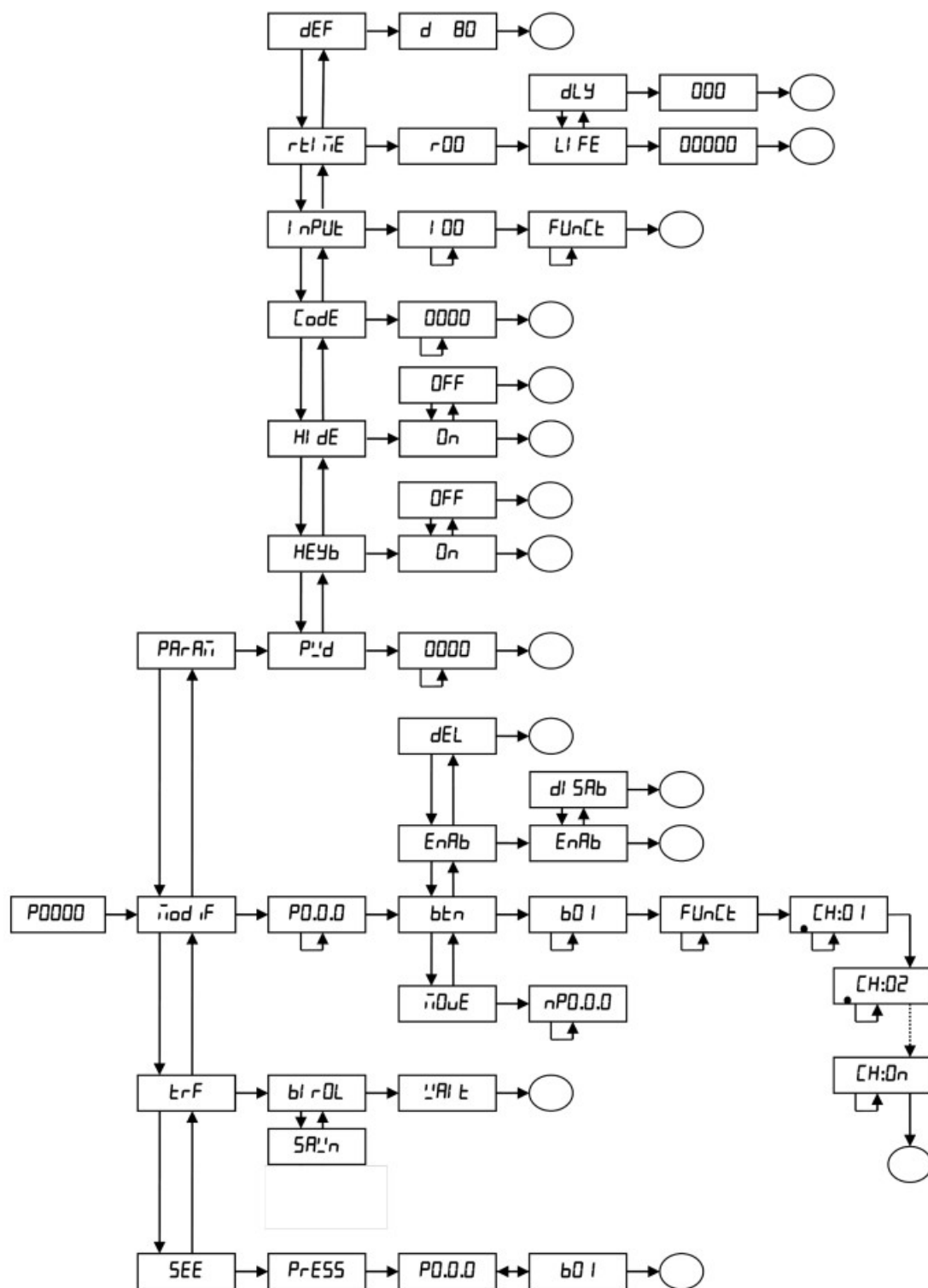
SAJEd



The receiver returns to the selection screen of the position of the transmitter, in the position just used. For example:

P00.1

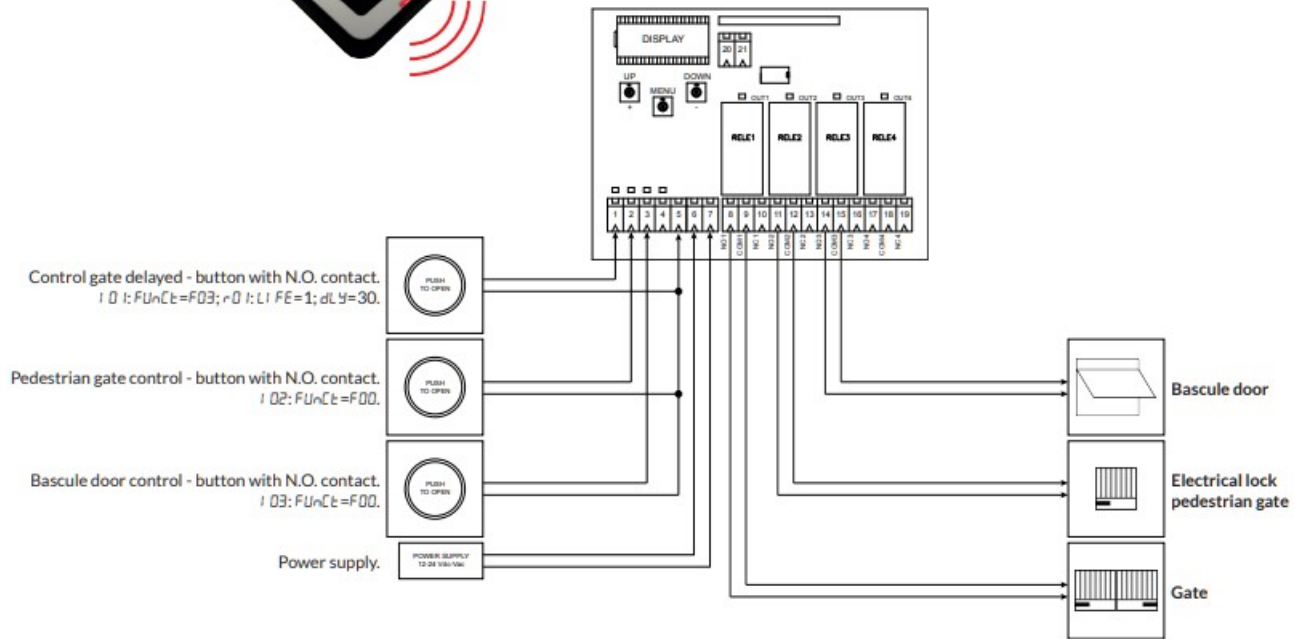
To quit, press the MENU button or wait one minute of inactivity.





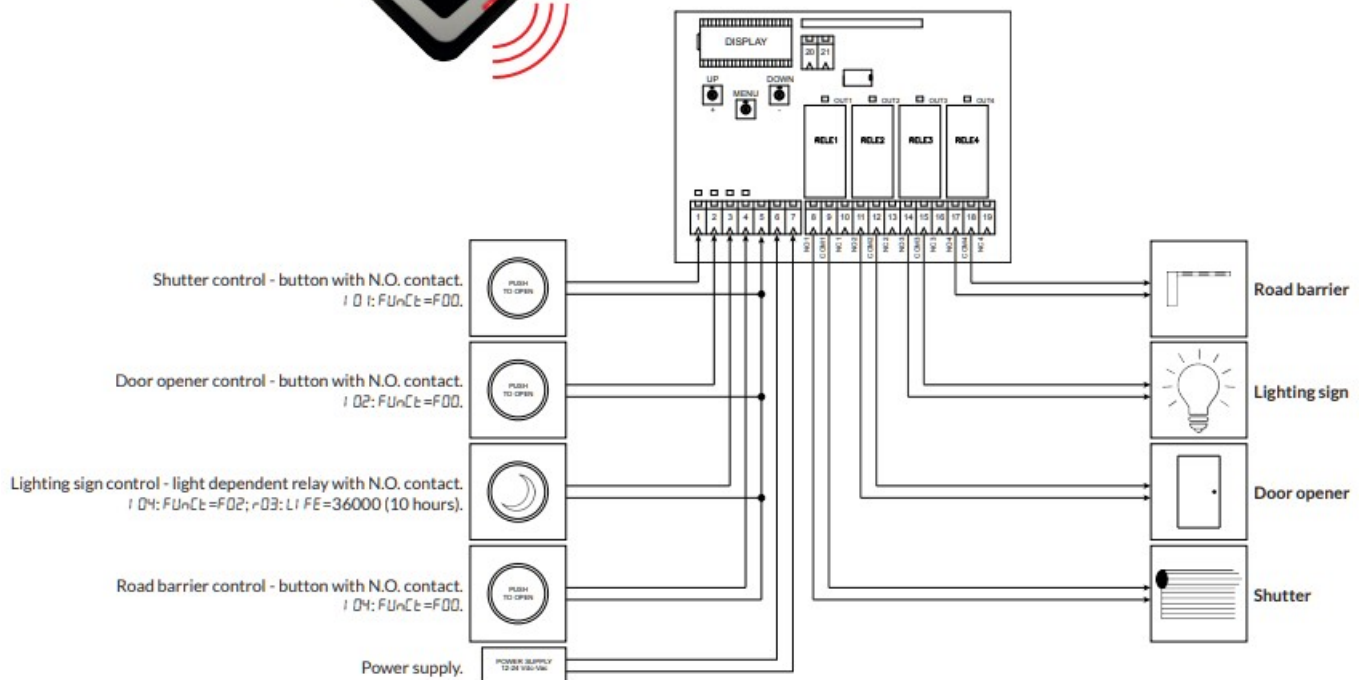
4-channels transmitter:

- Key 1 (gate): F00; CH:0 1; CH02; CH03; CH04.
- Key 2 (pedestrian gate): F00; CH0 1; CH:02; CH03; CH04.
- Key 3 (bascule door): F0 1; CH0 1; CH02; CH:03; CH04.
- Key 4 (gate and bascule door): F0 1; CH:0 1; CH02; CH:03; CH04.



4-channels transmitter:

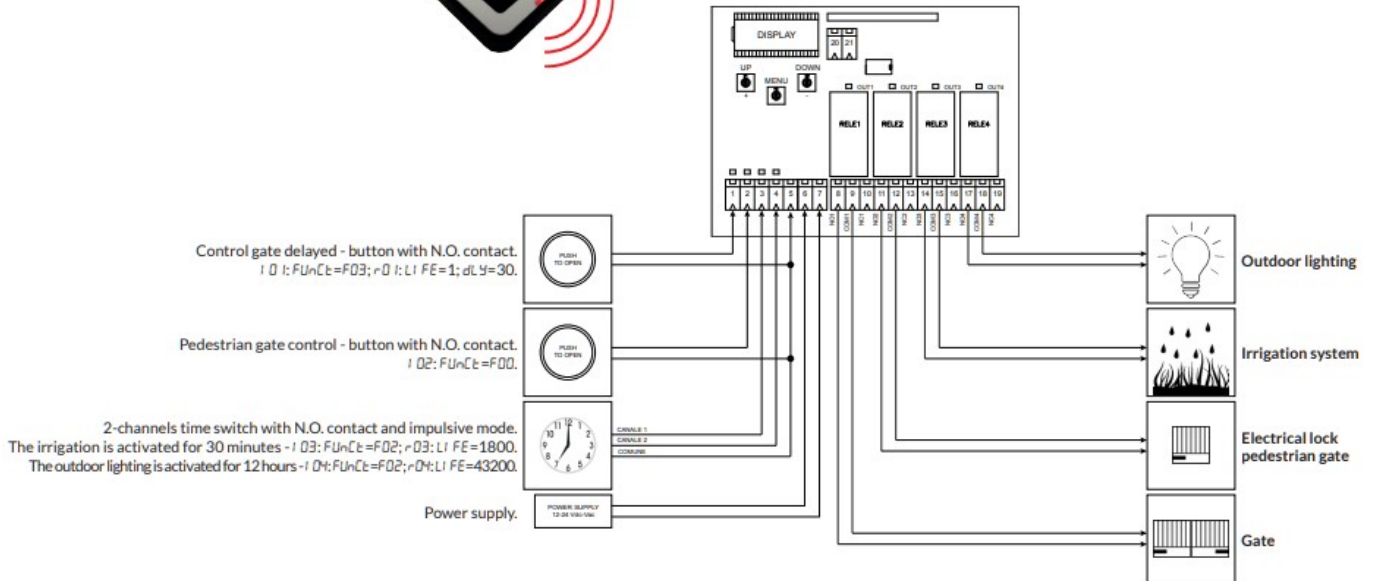
- Key 1 (shutter): F00; CH:0 1; CH02; CH03; CH04.
- Key 2 (door opener): F00; CH0 1; CH:02; CH03; CH04.
- Key 3 (Lighting sign): F0 1; CH0 1; CH02; CH:03; CH04.
- Key 4 (road barrier): F00; CH0 1; CH02; CH03; CH:04.






4-channels transmitter:

- Key 1 (gate): F00; CH01; CH02; CH03; CH04.
- Key 2 (pedestrian gate): F00; CH01; CH02; CH03; CH04.
- Key 3 (irrigation system): F01; CH01; CH02; CH03; CH04.
- Key 4 (Outdoor lighting): F01; CH01; CH02; CH03; CH04.





Documents / Resources

 <p>ALLMATIC B.RO X40 DISPLAY 4 channels Rolling Code receiver with display</p> <p>MADE IN ITALY</p>	<p>ALLMATIC 4 channels Rolling Code Receiver [pdf] Instruction Manual</p> <p>4 channels Rolling Code Receiver, channels Rolling Code Receiver, Rolling Code Receiver, Code Receiver, Receiver</p>
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References

- [Allmatic - Automation systems - Designed and built to last.](#)
- [User Manual](#)