

R200

Receiver

Instructions and warnings for installation and use.

IS0474A00MM_29-11-2016

Your Smart Nice Home

ENGLISH

Instructions translated from Italian

Warnings

- Before commencing the installation, check if the radio receiver is suitable for use, paying special attention to the data provided in the chapter "Technical specifications"; Nice disclaims responsibility for any damage resulting from uses different from those provided in this manual.
- Avoid wetting the radio receiver, do not expose it to heat or direct flames; should this occur, suspend use immediately and contact the Nice support service. The installation operations must be carried out with-out electricity supply.

Description and Intended Use

The radio receiver R200, together with the ECCO5... transmitters can remotely control electrical appliances

such as gate control units or similar automation devices; it is provided with 2 normally open "NO" relay contact outputs. When the transmitter sends a valid "signal", the radio receiver activates the corresponding output relay (the contact closes). The relay is disabled when the transmitter stops sending the radio signal.

Installation

Radio receiver

R200 for universal use. The housing ensures essential and efficient protection for the circuit; it can be fixed to the bottom with adhesive.

Power supply selection

R200 has 24V power voltage; it can also be supplied with 12V by inserting the jumper as described in Fig. 1.

Jumper not inserted	24 V AC/DC	Voltage limits: 18-35V DC, 15-28 V AC
Jumper inserted	12 V AC/DC	Voltage limits: 10-18V DC, 9-15 V AC

Electrical connections

R200 provides connections with different colour conductors (Fig. 2).

Red / Black	Power supply	Red = Positive, Black = Negative (irrelevant if in alternating current)
White / White	1 st relay output	Free contact of a normally open relay
Purple / Purple	2 nd relay output	Free contact of a normally open relay
Terminals 1, 2	Aerial Input	Aerial (terminal 1 = braid, terminal 2 = core)

Aerial

The R200 is already equipped with internal aerial (wire clip already connected to terminal 2); for better performance you can connect an external aerial, such as the one on FL200 by Nice Home flashing light. The aerial must be installed as high as possible; not underneath but on top of metal or reinforced concrete structures, if present, which may shield it. Use coaxial cable, such as RG58, with a maximum length of 5 m. Connect the central part of the cable to terminal 2 and the braid to terminal 1.

Memorising the transmitter

In order to control R200 with a transmitter, you must memorise it; there are two different types of memorisation:

- **Mode 1:** all the keys of the transmitter are memorised simultaneously, automatically assigning them to the commands in Table 3. When memorised in Mode 1, a transmitter can control only one automation.

In Mode 1, the commands assigned to the 4 keys (Fig. 3) are:

Transmitter	Radio receiver
Key 1	Output 1 relay activation
Key 2	Output 2 relay activation
Key 3	Output 3 activation
Key 4	Output 4 activation

- **Mode 2:** with this procedure the single keys are memorised one at a time, matching each one of them as required to a command among those in Table 4.

When memorised in Mode 2, a transmitter can control multiple automations (for example: automation 1 controlled by key 1; automation 2 controlled by key 2; and so on ...).

Using this mode opportunely, with the transmitter ECCO5... you can control 2 or more different receivers, for example:

- key T1 activates output 1 on radio receiver A
- key T2 activates output 1 on radio receiver B
- key T3 activates output 2 on radio receiver A
- key T4 activates output 1 on radio receiver C

Obviously the memorisation of each transmitter is treated separately and on the same radio receiver there may be some memorised in Mode 1 and others in Mode 2.

Transmitter	Radio receiver
1 time	Output 1 activation
2 times	Output 2 activation
3 times	Not used
4 times	Not used

▲ Before carrying out memorisation procedures, we recommend reading such procedures and complying with the indicated times.

Memorisation in Mode 1

01. Press and hold the button P1 on the radio receiver for at least 3 seconds; when the L1 LED lights up, release the button.
02. Within 10 seconds after releasing the button, press and hold for at least 3 seconds any button of the transmitter to be memorised. If the memorisation procedure is successful the L1 LED will flash 3 times.
03. If there are other transmitters to be memorised, repeat step 02 within 10 seconds, otherwise the memorisation phase will end automatically.

Memorisation in Mode 2

01. Choose the command from Table 4.
02. On the radio receiver, press and release the button P1 the same number of times as the desired command (Table 4 - e.g. 2 times for the "Output 2 activation" command); the L2 LED must emit a number of quick flashes which are equal to the chosen command.
03. Within 10 seconds, press and hold for at least 2 seconds the button of the transmitter to be memorised: if the memorisation procedure is successful, the L1 LED will flash 3 times.
04. If there are other transmitters to be memorised with the same command, repeat step 03 within 10 seconds, otherwise the memorisation phase will end automatically.

Memorisation procedure in vicinity of the control unit with two transmitters

With this procedure, you can memorise a NEW transmitter by using another (OLD) transmitter, which has already been memorised and works properly, without using the buttons on the control unit, but merely standing close to the control unit.

During the procedure, the NEW transmitter will be memorised in the same way as the OLD transmitter (Mode 1 or Mode 2).

- Procedure with OLD transmitter memorised in Mode 1:
 01. Move close to the control unit with the two transmitters: wait 1 second between one step and the other.
 02. On the NEW transmitter, press and hold any button for at least 8 seconds and then release it.
 03. On the OLD transmitter, press and hold any button with the command to copy for at least 2 seconds and then release it.
 04. On the OLD transmitter, press and hold any button with the command to copy for at least 2 seconds and then release it.
 05. On the OLD transmitter, press and hold any button with the command to copy for at least 2 seconds and then release it.
 06. On the NEW transmitter, press and hold any button to be memorised for at least 5 seconds and then release it.

Repeat the procedure for each transmitter to be memorised.

- Procedure with OLD transmitter memorised in Mode 2:

01. Move close to the control unit with the two transmitters: wait 1 second between one step and the other.
02. On the NEW transmitter, press and hold the button to be memorised for at least 8 seconds and then release it.
03. On the OLD transmitter, press and hold the button with the command to copy for at least 2 seconds and then release it.
04. On the OLD transmitter, press and hold the button with the command to copy for at least 2 seconds and then release it.
05. On the OLD transmitter, press and hold the button with the command to copy for at least 2 seconds and then release it.
06. On the NEW transmitter, press and hold the button to be memorised for at least 5 seconds and then release it.

Repeat the procedure for each transmitter to be memorised.

Maintenance and Disposal

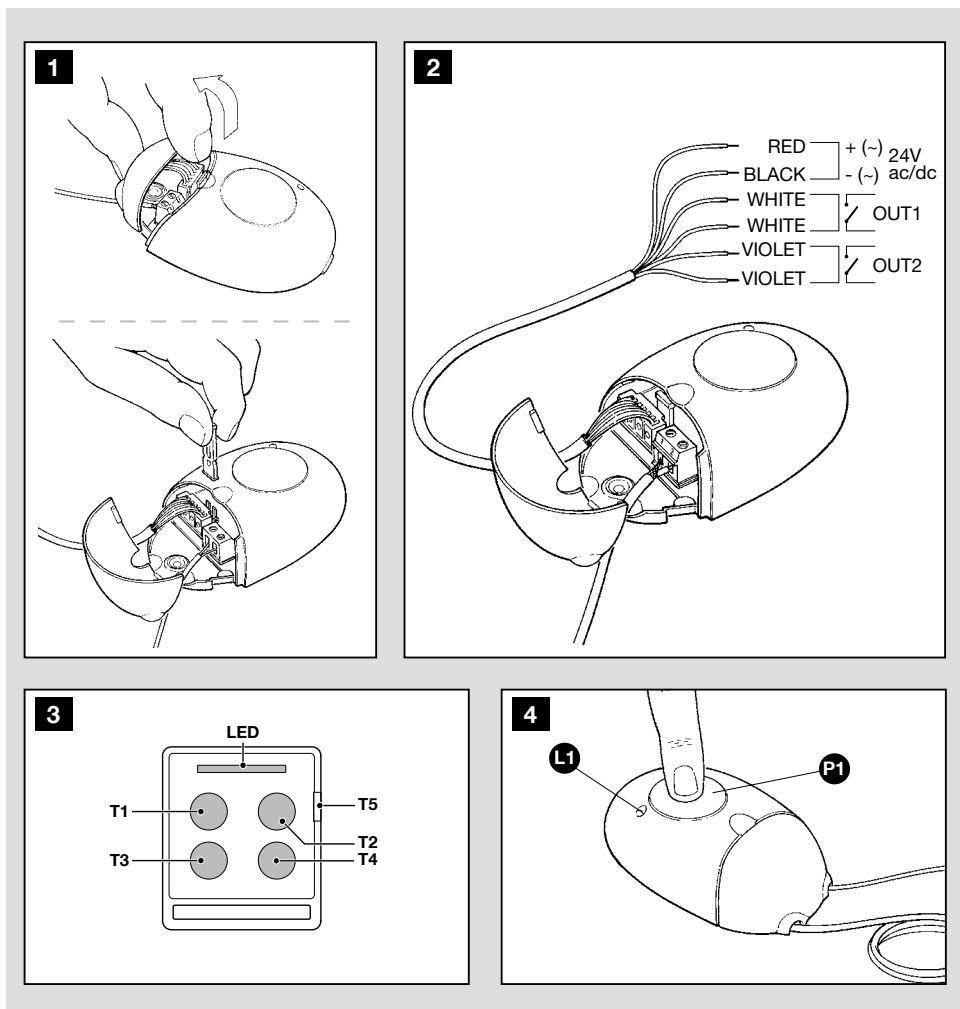
The system does not require any special maintenance. This product is made of various types of materials, some of which can be recycled, while others must be scrapped. Seek information on the recycling and disposal systems for the product, following the local current regulations.

Warning: some of the electrical components may contain polluting substances: do not dispose of them into the environment.

Technical Characteristics

R200 is manufactured by NICE S.p.A. (TV) Italy. Nice S.p.A., in order to improve its products, reserves the right to modify their technical specifications at any time without prior notice. In any case, the manufacturer guarantees their functionality and fitness for the intended purposes. **Note:** all technical specifications refer to a temperature of 20°C.

- **Type:** Radio receiver for controlling gate automations; automatic doors and similar
- **Technology adopted:** Reception and decoding of radio signals emitted by transmitters. The output relays are activated only if they detect a code which has been previously memorised and is perfectly synchronised with the variability sequence
- **Possibility of remote control:** With ECCO5... transmitters
- **Encoding:** Rolling code with 64 Bit code (18 billion, billion combinations)
- **Number of ECCO5... transmitters that may be memorised:** Up to 256 if memorised in Mode 1
- **Reception frequency:** 433.92 Mhz
- **Radio aerial input:** 52 ohm for RG58 cable or similar
- **Maximum aerial cable length:** Less than 5m
- **Radio receiver sensitivity:** Better than 0.5µV
- **ECCO5 transmitter range:** Approximately 50-100m (the range can vary depending on obstacles and electromagnetic disturbances and is affected by the position of the aerial)
- **Power supply:** without jumper: 24V standard (18-35V DC, 15-28V AC), with jumper: 12V standard (10-18V DC, 9-15 V AC)
- **Standby power draw:** 10mA (standard at 24V AC)
- **Power draw with one active relay:** 50mA (maximum at 24V AC)
- **Output relay:** No.2 with normally open relay contact
- **Relay contact technical specifications:** Maximum 50V and 0.3A
- **Activation time:** approx. 200ms
- **Deactivation time:** approx. 300ms
- **Operation environment temperature:** -10 ... 55°C
- **Protection rating:** IP30 (protected environment use)
- **Dimensions / weight:** 86 x 57 x h 22 mm, weight 55 g



Service Après Vente France

En cas de panne, merci de contacter obligatoirement notre Service Après Vente par téléphone ou par email :

0 820 859 203

Service 0,15 €/min + prix appel

niceservice@niceforyou.com

Merci de ne pas retourner le produit en magasin

Worldwide Customer Service
customerservice@niceforyou.com

Nice S.p.A.

Via Pezza Alta, 13
31046 Oderzo TV Italy
info@niceforyou.com

www.niceforyou.com