

Notice

- Before installation, check that the product is suitable for use, paying particular attention to the information in the "Technical Data" chapter.
- MHOUSE disclaims responsibility for any damage resulting from the improper use of the product, the only use authorized by the manufacturer being the one described in this manual.
- The packing materials must be disposed of in compliance with local regulations.
- The transmitter must be kept away from any sources of excessive heat, as well as flames. Any of the above may damage the motor and cause it to malfunction or create dangerous situations.
- Warning:** even if the batteries are used up, they may still contain pollutants and therefore must not be thrown away with the ordinary rubbish. Dispose of them properly, complying with the methods prescribed for batteries by local regulations.
- Special warnings concerning this product's suitability for use as envisaged by Directive "R&TTE" 1999/5/CE:
 - This product meets the essential requirements of article 3 of Directive "R&TTE" as regards its use and the intended purpose stated in this instruction manual; any use that does not conform to this purpose is prohibited.
 - The range of radio frequencies available for use is subject to national legislation.

Description and Intended Use

The GTX4 and GTX4C transmitters (fig.1) allow the user to remote control the corresponding radio receivers, or alternatively the control units for gates. They are only suitable for use in MHOUSE automation systems. The GTX4 and GTX4C are intended specifically for gates; they feature 4 buttons that can be used to enter 4 types of command for a single automation system, or to control up to 4 different automation systems or receivers. Transmission of the command is confirmed by the LED [A] shown in fig.1; an eyelet [B] fig.1 allows it to be hung on a key ring. The GTX4 and GTX4C transmitters are equipped with a fitting support, which allows the unit to be wall mounted if desired. When fastening the support, if the surface is smooth and solid, the adhesive provided may be used; if not, the screw supplied for this purpose can be used (with the wall plug if necessary), see fig. 2.

Transmitter memorization modes

To enable the transmitter to command a control unit, a radio receiver or a motor for awnings and rolling shutters, a memorization procedure must be carried out. Two methods can be followed to memorize the new transmitter:

- Mode 1:** in this "mode", all the radio transmitter buttons are used and each button performs the command configured in the control unit or receiver used (see table 1); in "mode 1" the radio transmitter can be used to command only one automation.

Table 1 Transmitter operation in Mode 1		
Transmitters GTX4 - GTX4C	Command	
	Gate control unit	Radio receiver
Key 1	"OPEN"	Output 1 activation
Key 2	Partial open	Output 2 activation
Key 3	Open only	Output 3 activation
Key 4	Close only	Output 4 activation

- Mode 2:** in this "mode", each transmitter button can be associated to any command available on the control units or radio receiver outputs (see table 2).

Table 2 Transmitter operation in Mode 2		
Transmitters GTX4 - GTX4C	Command	
	Gate control unit	Radio receiver
Command 1	"OPEN"	Output 1 activation
Command 2	Partial open	Output 2 activation
Command 3	Open only	Output 3 activation
Command 4	Close only	Output 4 activation

Memorization of the Transmitter

Warning: The memorization procedures depend on which control unit or receiver is associated, this chapter outlines the routine procedures; for more unusual procedures, see the handbook. All Mhouse instruction manuals are also available from: www.mhouse.com. Since the memorization procedures are timed (max. 10 seconds for each stage), you need to read the instructions in the tables before you proceed to carry them out.

Memorization of the Transmitter in "Mode 1"

On control units and receivers for gates

- Press Button P1 [H] in Fig.3 for at least 3s; when the P1 LED [I] shown in Fig.3 goes off, release the button.
- Within 10s, press any button on the radio transmitter to be memorized for at least 2s. If the memorization procedure is successful, the P1 LED will flash 3 times.
- If there are other remote controls to be memorized, repeat step 2 within the next 10s, otherwise the memorization stage will terminate automatically.

Memorization of the Transmitter in "Mode 2"

On control units and receivers for gates

- Press button P1 as many times as the number corresponding to the desired command, according to the table 2 (e.g. 3 times for the "Open only" command).
- Make sure that the P1 LED flashes as many times as the number corresponding to the desired command.
- Within 10s, press any button on the radio transmitter to be memorized for at least 2s. If the memorization procedure is successful, the P1 LED will flash 3 times.
- If there are other remote controls to be memorized for the same type of command, repeat step 3 within the next 10, otherwise the memorization stage will terminate automatically.

Remote Memorization

It is possible to memorize a new transmitter without directly operating the buttons on the control unit or radio receiver. This is provided you have an "OLD" pre-memorized operational transmitter. The NEW transmitter to be memorized will inherit the characteristics of the OLD one, i.e. if the OLD transmitter was memorized in "mode 1", the NEW one will also be memorized in "mode 1". In this case, during the memorization stage you can press any key on the two transmitters. If, on the other hand, the OLD transmitter was memorized in "mode 2", you must press the button on the OLD transmitter which corresponds to the desired command, and the button on the NEW transmitter to which you wish to associate that command.

Holding the two transmitters, position yourself near the control unit or receiver and perform the following operations:

- Press the button on the NEW transmitter and hold it down for at least 5s, then release it.
- Press the button on the OLD transmitter 3 times slowly.
- Press the button on the NEW transmitter once slowly.

At this point the NEW transmitter will be recognized by the control unit or receiver and will assume the characteristics of the OLD one. If there are other transmitters to be memorized, repeat all the steps above for each new transmitter.

Testing the Transmitter

To test the operation of the transmitter, just press any button, make sure that the red LED flashes and that the automation performs the desired command. The command associated to each button depends on the memorization "mode".

Replacing the Transmitter Batteries (fig. 4)

When the range of the transmitter is significantly diminished and the light emitted by the LED is feeble, the battery is probably exhausted. The transmitter houses one CR2032 type lithium battery.

Warning: The product runs on batteries which may contain pollutants and therefore must NOT be thrown away with the ordinary rubbish (Fig.5). Dispose of them properly, complying with the methods prescribed for differentiated waste disposal by the applicable local regulations.

Technical characteristics

GTX4, GTX4C are produced by NICE S.p.a. (TV) I. MHOUSE S.r.l. is an affiliate of the Nice S.p.a. group. Nice S.p.a., in order to improve its products, reserves the right to modify their technical characteristics at any time without prior notice. In any case, the manufacturer guarantees their functionality and fitness for the intended purposes.

Note: all the technical characteristics refer to a temperature of 20°C.

Type: Radio transmitters for control of automatic gates and doors • **Technology adopted:** AM OOK coded modulation of radio carrier • **Frequency:** 433.92 Mhz • **Coding:** Rolling code with 64 Bit code (18 billion combinations) • **Buttons:** GTX4, GTX4C, each button sends a command and can be used for the different commands of the same control unit or to command different control units • **Irradiated power:** Approx. 0.0001W • **Power supply:** 3V +20% -40% with one CR2032-type lithium battery • **Battery life:** 3 years, estimated on the basis of basis of 10 commands/day, each lasting 1s at 20°C (at low temperatures the efficiency of the batteries decreases) • **Ambient operating temperature:** -20 ÷ 55°C • **Use in acidic, saline or potentially explosive atmosphere:** No • **Protection class:** IP40 (suitable for use indoors or in protected environments) • **Dimensions / weight:** GTX4 Without support 38 x 50 h 14mm / 14g - With support 50 x 50 h 17mm / 16g; GTX4C Without support 38 x 93 h 14mm / 23g - With support 50 x 93 h 17mm / 25g

Declaration of conformity

Declaration pursuant to Directive 1999/5/EC
GTX4 is manufactured by NICE S.p.a. (TV) I.
MHOUSE is a registered trademark of Nice S.p.a.

Note: The contents of this declaration corresponds to the declaration made in the official document registered at the headquarters of Nice S.p.a., and specifically to the latest revision available before this manual was printed. The text featured herein was re-adapted for publishing purposes.
A copy of the original declaration can be requested from Nice S.p.a. (TV) I.

Number: 374/GTX4 Revision: 0
The undersigned Luigi Paro, hereby declares that the product:
Manufacturer's name: NICE S.p.a.
Address: Via Pozza Alta 13,
31046 Z.I. Rustignè ODGERZO - Italy
433.92Mhz transmitter
GTX4, GTX4C

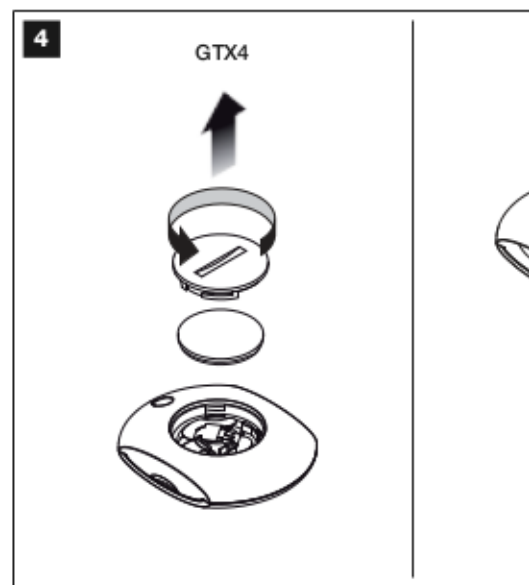
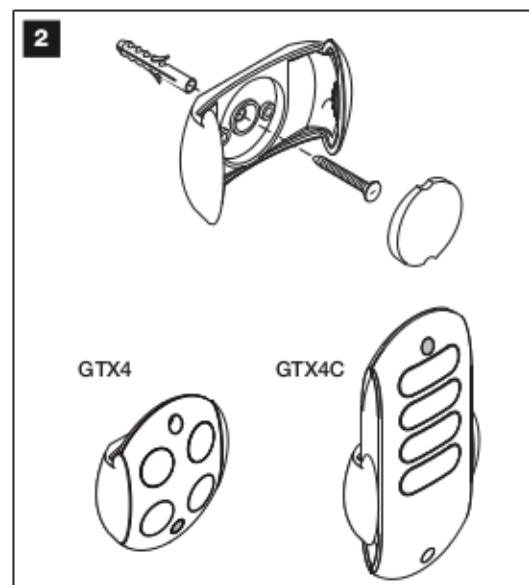
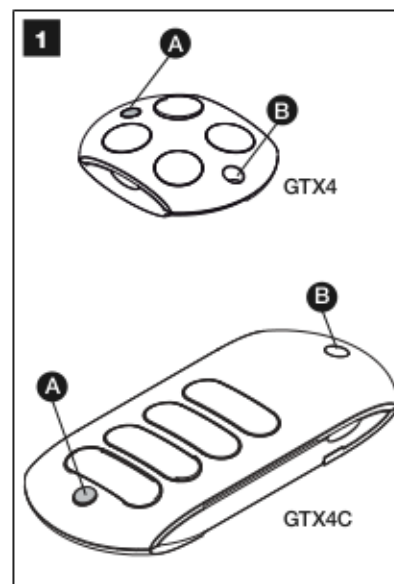
Product type:
Model:
Accessories:
Meets the essential requirements of article 3 of the following EU Directive, as regards its use and intended purpose:

- Directive 1999/5/EC OF THE EUROPEAN PARLIAMENT AND COUNCIL of March 9th 1999 concerning radio and telecommunications terminal equipment and the mutual acknowledgement of compliance, in accordance with the following harmonized standards:
 - Health protection (Art. 3(1)(a)): EN 50371:2002
 - Electrical safety (Art. 3(1)(a)): EN 60950-1:2006
 - Electromagnetic compatibility (Art. 3(1)(b)): EN 301 489-1 V1.8.1:2008, EN 301 489-3 V1.4.1:2002
 - Radio spectrum (Art. 3(b)): EN 300 220-2 V2.1.2:2007

In accordance with Directive 1999/5/EC (Annex V), the product is class 1 and marked: **CE 0682**

ODGERZO, 09-12-2010

Luigi Paro (Managing director)



GTX4 - GTX4C

Transmitters

- EN Installation and use instructions and warnings
- IT Istruzioni ed avvertenze per l'installazione e l'uso
- FR Instructions et avertissements pour l'installation et l'utilisation
- ES Instrucciones y advertencias para la instalación y el uso
- DE Anweisungen und Hinweise für die Installation und die Bedienung
- PL Instrukcje instalacji i użytkowania i ostrzeżenia
- NL Aanwijzingen en aanbevelingen voor installering en gebruik

CE 0682

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