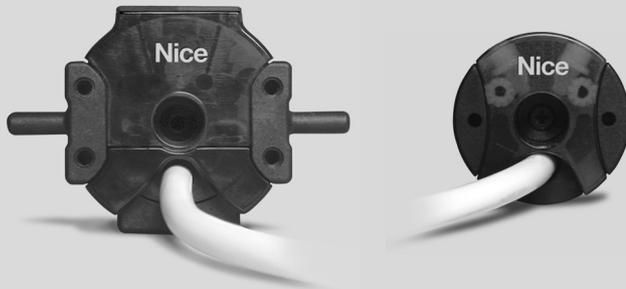


CE



For rolling shutters
and awnings



Neomat E

Installation and use instructions and warnings

Warning: follow these personal safety instructions very carefully.
Important safety instructions; save these instructions for future use.

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=ISO 9001/2000=

Nice

Safety measures and warnings

The present manual contains important safety instructions for the **INSTALLATION** and **USE** of the product.

INSTALLATION:

⚠ Incorrect installation could cause serious injury. For this reason, all installation instructions contained in the present manual should be carefully followed during the working operations.

PRODUCT USE:

⚠ For the safety of persons, it is very important to follow these instructions carefully in the everyday use of the product. Keep this manual in a safe place for future reference.

The NEOMAT-E series motors, versions NEOMAT-SE Ø35mm, NEOMAT-ME Ø45mm, have been designed for the automation of rolling shutters and awnings; any other use is considered improper and is prohibited. These motors are intended for residential use. Maximum continuous operating time is 4 minutes. When selecting the motor based on the application requirements, the nominal torque and operating time shown in the rating plate must be considered.

The minimum diameter of the tube on which the motor can be installed is 40mm for NEOMAT-SE, 52mm for NEOMAT-ME with torque up to 35Nm, 60mm for NEOMAT-ME with torque over 35 Nm.

The motor must be installed by qualified technicians in compliance with current safety regulations.

All unnecessary electrical cables must be removed before installation; all mechanisms not required for motorized operation must be disabled. If the motor is installed at a height below 2.5m, all moving parts of the motor must be protected. For awning applications, the horizontal clearance between the fully open awning and any stationary object must be at least 0.4m.

The PVC power supply cable supplied with NEOMAT-E motors is ideal for internal installation; an insulated tube must be used to protect the cables when installed outside, or the specific S05RN-F type cable can be requested.

The tubular motor must not be subjected to crushing, impacts, falls or contact with any kind of liquid. Do not perforate or drive screws into any part of the tubular motor; see figure 1. The control switch must be fixed in an easily visible location but away from moving parts and at a height no less than 1.5m. Do not modify any components unless such action is specified in these instructions. Operations of this kind are likely to lead to malfunctions. NICE disclaims any liability for damage resulting from modified products.

For maintenance and repairs contact a qualified technician.

When the roller shutter or awning is in movement, make sure that there are no persons within the movement range. Do not activate the awning if work is being carried out close by, for example: window cleaning; in case of automatic control, disconnect the power supply as well. Do not let children play with the fixed control device and keep the remote controls out of their reach. Check the balancing springs (if any) and the wear of cables at frequent intervals.

⚠ If the slope of the awning is less than 25% or less than the value recommended by the manufacturer it should be retracted to avoid water pockets when it rains.

⚠ The rolling shutter could be damaged if used when ice has formed.

⚠ Some of the programming phases can use the mechanical stops of the roller shutter (caps and/or burglar-proof springs). In this case it is necessary to select a motor with a torque that is suitable for the application taking into consideration the effective stress and avoiding excessively powerful motors.

1) Product description

The NEOMAT-E series motors, versions NEOMAT-SE Ø35mm, NEOMAT-ME Ø45mm, are electric motors equipped with RPM reduction and terminating at one end with a shaft on which the driving wheels can be mounted; see figure 2. The motor must be fitted inside the winding tube, where it can raise or lower the roller shutter or awning. The control unit incorporated in the motor also has a high precision electronic limit switch system that can constantly detect the position of the rolling shutter.

The movement limits, roller shutter or awning open and roller shutter or awning closed (as well as intermediate positions), can be programmed and the awning automatically stops when these positions are reached.

The NEOMAT-E series motors incorporate a radio receiver operating at a frequency of 433.92MHz, with rolling code technology that guarantees high levels of security. It is possible to memorize up to 14 transmitters for each motor in the ERGO, PLANO and NICEWAY series; see figure 3; that allow the remote control of the motors, or 3 wind and sun radio sensors "VOLO-S-RADIO" which control the motor depending on the weather conditions.

The programming of the limit switches and additional functions can be done directly from the transmitters, with beeps that sound to guide users through the various phases.

2) Installation

⚠ Incorrect installation could cause serious injury.

Proceed as follows to prepare the motor:

1. Position the limit switch crown (E) on the motor (A) until it fits into the corresponding limit switch ring (F); make sure that the two grooves match. Push it into position as shown in Fig. 5.
2. Mount the drive wheel (D) on the motor shaft.
On NEOMAT-SE the drive wheel (D) snaps on automatically.
3. On NEOMAT-ME fasten the drive wheel with the snap ring.
4. Fit the assembled motor into the winding roller until the crown (E) is fully inserted. Fasten the drive wheel (D) to the winding roller using the M4x10 screw, so as to prevent the motor from slipping or sliding axially (fig. 6).
5. Finally, secure the motor head to the special support (C) with the spacer (if any), using the clips or split pin (B).

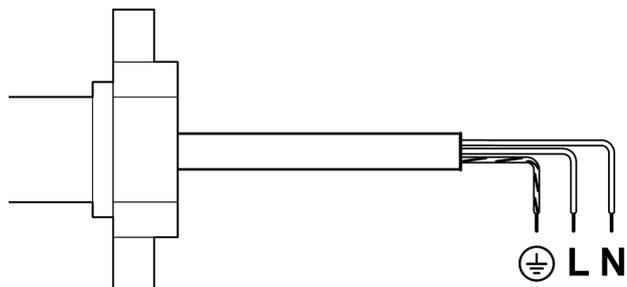
- | | |
|-----------|-------------------------------|
| A: | NEOMAT-E Tubular motor |
| B: | Fastening clips or split pins |
| C: | Support and spacer |
| D: | Draw lock ring |
| E: | Idle lock ring |
| F: | Idle ring |

2.1) Electrical connections

⚠ The electrical power supply line must be equipped with a device to protect against short circuits. In addition, a disconnect device must be installed (with overvoltage category III, i.e. with minimum contact gap of 3.5mm) or an alternative equivalent system, such as a plug and socket connection. Once the installation is terminated, the power supply disconnection device must be readily accessible and, if it is not located in the immediate vicinity of the automation it must be equipped with a lockout system to prevent unintentional or unauthorised reconnection.

Neomat E series tubular motors must be constantly powered by means of a permanent connection to the 230V mains circuit. The motor electrical connections are shown in figure.

⚠ Make the connections exactly as indicated; in case of doubt do not proceed by trial and error: seek assistance from the Nice service organisation or consult the specific detailed technical datasheets, which can be downloaded from the Internet site www.niceforyou.com. Incorrect electrical connections can cause serious faults and dangerous conditions.

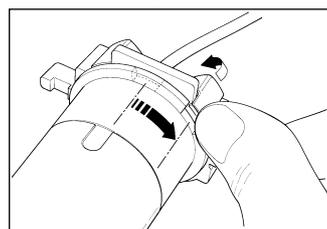


Yellow/green wire = ⊕ : Safety grounding system
 Brown wire = L : Phase for 230V supply
 Blue wire = N : Neutral for 230V supply

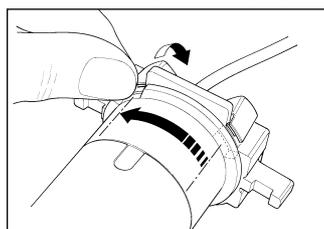
2.2) Power supply cable and connector (this chapter is intended for NEOMAT-ME version and technical assistance personnel only).

⚠ If the power cord is damaged it must be replaced with an identical type supplied by the manufacturer or an authorised customer service centre.

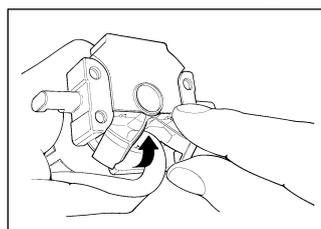
If it is necessary to disconnect the motor from the power supply cable proceed as shown in the figures below:



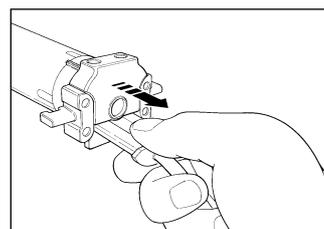
Turn the ring nut until the bevel coincides with one of the connecting teeth, and then disconnect.



Repeat the same operation for the other tooth.



Bend the cable inwards and remove the protection by turning it carefully outwards.



Pull out the connector.

3) Adjustments

Neomat E tubular motors are equipped with a controller with an electronic limiter system that stops the movement when the motor reaches the programmed positions, i.e. the positions with the system completely retracted or the position with the system completely extended. In addition to the two end positions it is also possible to program an intermediate position, which can be used, for example, for partial opening of a shutter.

These positions must be stored in the memory with a specific programming procedure that is carried out with the motor installed and the shutter, awning or solar screen mounted.

For the sake of simplicity, the expressions: "roller up", "roller down" and "intermediate position" have been replaced by the terms "position 0" (roller up); "position 1" (roller down); and "position I (intermediate)", corresponding to the positions shown in figure A (for shutters) and figure B (for awnings).

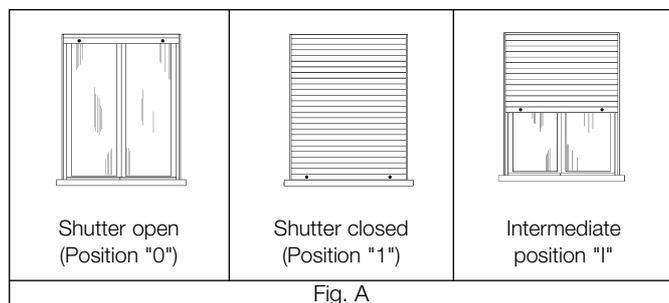


Fig. A

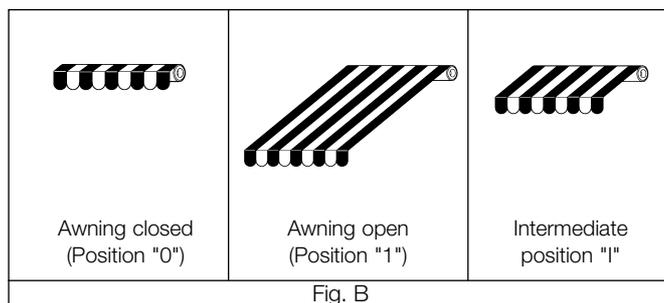


Fig. B

4) Programming

The programming phase is divided into 3 parts:

1. Memorisation of the transmitters
2. Programming of positions "0" and "1"
3. Optional programming

The memorisation phases must be performed as indicated in table A1 to ensure that a transmitter can control a NEOMAT-E motor.

WARNING:

- **All the memorization sequences are timed, that is, they must be completed within the programmed time limits.**
- For transmitters with multiple "groups", choose the transmitter group the motor must be associated with before proceeding with the memorization phase.
- Programming via radio may be done on all the receivers within the range of the transmitter; therefore, only the one involved in the operation should be kept switched on.

It is possible to check if transmitters have already been memorised on the motor; to do so, simply check the length of the beeps when the motor is turned on.

Control of the memorized transmitters

2 long beeps		No memorized transmitter
2 short beeps		There are already transmitters memorized

4.1) Programming the transmitters

Each radio control is recognised by the receiver incorporated in the NEOMAT-E control unit through an individual "code" that is unlike any other. The control unit must therefore be programmed to recognise each separate radio control through a "memorisation" process.

When the memory does not contain any code, you can proceed to program the first radio control by operating as follows:

Table "A1"	Memorizing the first transmitter (in Mode I)	Example
1.	Connect the motor to the power supply, 2 long beeps will be heard immediately	 
2.	Within 5 seconds press and hold button  of the transmitter to be memorized (for approx. 3 seconds).	 3s
3.	Release button  when you hear the first of the 3 beeps confirming memorization	 

See table A2 for the memorization of additional transmitters

When one or more transmitters have already been memorized, others may be enabled as shown in table A2.

Table "A2"	Memorizing additional transmitters (Mode I)	Example
1.	Press and hold down button  of the new transmitter (for approx. 5 seconds) until you hear a beep then release it	New  5s  
2.	Press button  of a previously memorized transmitter slowly 3 times	Old  X3
3.	Press button  on the new transmitter again. Release button  when you hear the first of 3 beeps, signalling that memorization has been carried out	New     

Note: If the memory is full (14 transmitters), 6 beeps will indicate that the transmitter cannot be memorized.

4.2) Programming of positions "0" and "1"

There are basically 3 cases in roller shutter automations that can be attributed to the presence or absence of "blocks" of the roller shutter's movement: opening stop "caps" (that limit the maximum opening) and/or "burglar-proof springs" (that prevent the roller shutter from being lifted when fully closed).

The limit switch can be programmed differently depending on the presence or absence of these mechanical stops (caps and/or springs):

Manual programming of the limit switch (Caps or burglar-proof springs are not required)

Semi-automatic programming of the limit switch (Opening stop caps are required)

Automatic programming of the limit switch (Both opening stop caps and burglar-proof closing springs are required)

A previously memorised remote control must be used to program the positions. All movements are hold-to-run until positions "0" and "1" have been memorised on the control unit. Initially the direction of the motor is not defined, but as soon as the programming has been completed, the direction of the motor is automatically assigned to the remote control buttons.

Table "A3"	MANUAL programming of the "0" and "1" positions	Example
1.	Press and hold the ▲ or the ▼ button of a memorised remote control until arriving to the desired opening position	
2.	Keep the ■ button of the transmitter pushed until a beep is heard (after approx. 5 seconds)	
3.	Release the ■ button and push it again for another 5 seconds until 4 rapid beeps are heard	
4.	Push the ▲ button until 3 beeps are heard and a slight movement occurs signalling that the opening position ("0") has been memorised	
5.	Press and hold the ▲ or the ▼ button of a memorised remote control until arriving to the desired closing position	
6.	Keep the ■ button of an already memorised transmitter pushed until a beep is heard (after approx. 5 seconds)	
7.	Release the ■ button and push it again for another 5 seconds until ■ rapid beeps are heard	
8.	Push the ▼ button until 3 beeps are heard and a slight movement occurs signalling that the closing position ("1") has been memorised	

Note: Now the ▲ button controls the up movement and the ▼ button controls the down movement.

The up and down manoeuvres will stop in correspondence with the programmed positions

Table "A4"	SEMI-AUTOMATIC programming of the "0" and "1" positions	Example
1.	Press and hold the ▲ or the ▼ button of a memorised remote control until the roller shutter is completely open and the motor automatically stops on the opening stop caps.	
2.	Press and hold the ▼ button which will lower the roller shutter	
3.	Release the ▼ button when the roller shutter reaches the desired position ("1")	
4.	Press and hold the ■ button of the transmitter until a beep is heard (after about 5 seconds)	
5.	Release the ■ button and push it again for another 5 seconds until 4 rapid beeps are heard	
6.	Push the ▼ button until 3 beeps are heard and a slight movement occurs signalling that the closing position ("1") has been memorised	

Note: Now the ▲ button controls the up movement and the ▼ button controls the down movement.

The shutter will stop on contact with the caps when opening and in correspondence with the programmed position when closing

Table "A5"	AUTOMATIC programming of the "0" and "1" positions	Example
1.	Use the ▲ and ▼ buttons of an already memorised remote control to make sure that the shutter is approximately at the halfway position	
2.	Press and hold the ■ button of the already memorised transmitter until a beep is heard (after about 5 seconds)	
3.	Release the ■ button and push it again for another 5 seconds until ■ rapid beeps are heard	
4.	Release the ■ button and push it again until 2 slow beeps are heard	
5.	The shutter should move up but if the shutter starts to move down, press the ▲ button to move the shutter upwards	
6.	At this point the procedure continues automatically : position "0", in correspondence with the opening caps, is located first and then position "1" in correspondence with the burglar-proof closure springs.	
7.	The procedure is finished when the shutter is completely closed followed by a signal of 3 beeps	

Note: Now the ▲ button controls the up movement while the ▼ button controls the down movement.

The opening and closing manoeuvre will stop just before the desired limits.

4.3) Optional programming

All optional programming is only possible after the "0" and "1" positions have been programmed.

4.3.1) Memorisation of the intermediate position "I"

If an intermediate positions "I" has been memorised, the shutter can be manoeuvred into the programmed position by pushing the ▼ and ▲ buttons of the transmitter together. Proceed as follows to memorise the intermediate positions:

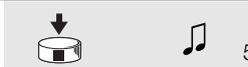
Table "A6"	Programming of the intermediate position "I"	Example
1.	Move the shutter into the desired intermediate position "I" by means of the ▲ ■ ▼ buttons of a remote control	
2.	Keep the ■ button pushed until a beep is heard (after about 5 seconds)	
3.	Release the ■ button and push it again for another 5 seconds until 4 rapid beeps are heard	
4.	Push the ▼ ▲ buttons together until 3 beeps signal that the position has been memorised	

4.3.2) Cancellation of the memorised position

In order to modify the memorised positions, they must firstly be cancelled and then the new positions programmed again.

Table "A7"	Cancellation of the intermediate position "I"	Example
1.	Push and hold the ■ button of an already memorised transmitter until a beep is heard (after about 5 seconds)	
2.	Release the ■ button and push it again for another 5 seconds until 4 rapid beeps are heard	
3.	Push the ▲ ▼ buttons together until 5 beeps signal that the intermediate position has been cancelled	

Now the new intermediate position can be programmed (Table "A6")

Table "A8"	Cancellation of the "0" and "1" positions	Example
1.	Push and hold the ■ button of an already memorised transmitter until a beep is heard (after about 5 seconds)	
2.	Release the ■ button and push it again for another 5 seconds until 4 rapid beeps are heard	
3.	Push the ▲ button (if the automatic or manual programming has been performed) or the ▼ button (if the semi-automatic programming has been performed), until 5 beeps signal that the "0" and "1" positions have been cancelled	

WARNING: After having cancelled the "0" and "1" positions the shutter will move in the hold-to-run mode and the new positions need to be memorised (Tables "A3", "A4", "A5")

4.4) Memory deletion

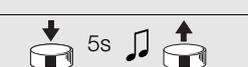
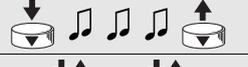
If you need to delete all the transmitter and the programmed operations, carry out the procedure shown in table A12.

The memory can be deleted:

- with a **non-memorized** transmitter starting from point A.
- with a **previously memorized** transmitter starting from point No. 1.

The following can be deleted:

- **only the memorized** transmitters, finishing at point No. 4
- **all data** (transmitters), completing the procedure until point 6.

Table "A12"	Memory deletion	Example
➔ A.	Hold down key ■ of a non-stored transmitter until you hear a beep	
B.	Within 5 seconds disconnect the power supply to the motor; wait for a few seconds and then power up the motor again. Within 1 minute continue with the remainder of the deletion procedure, disregarding the fact that you would normally need an already stored transmitter	
➔ 1.	Hold down key ■ on an already stored transmitter until you hear a beep (after approx. 5 seconds).	
2.	Hold down key ▲ on the transmitter until you hear 3 beeps; release key ▲ precisely during the third beep.	
3.	Hold down key ■ on the transmitter until you hear 3 beeps; release key ■ precisely during the third beep.	
➔ 4.	Hold down key ▼ on the transmitter until you hear 3 beeps; release key ▼ precisely during the third beep.	
➔ 5.	If you wish to delete all data in the memory, within 2 seconds press keys ▲ and ▼ together, then release the keys.	
After a few seconds 5 beeps will sound to indicate that the memory has been cleared.		

5) Additional information

The NEOMAT-E motors recognise other ERGO, PLANO, NICEWAY series transmitters (see chapter 5.1 "Available transmitters"). A particular command can also be associated to each transmitter button by means of a specific memorization procedure (see chapter 5.2 "Transmitter programming in Mode I and Mode II").

⚠ Warning: use transmitters that have been memorised in Mode 1 only for programming.

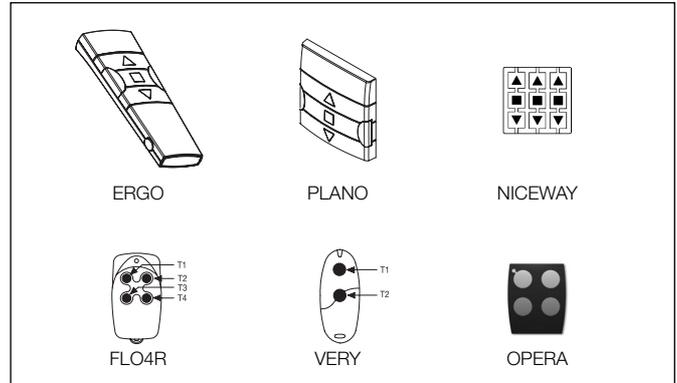
5.1) Available transmitters

Table A13 indicates the transmitters that can be used.

Table "A13"

Transmitters

ERGO1 - ERGO4 - ERGO6
 PLANO1 - PLANO4 - PLANO6 - PLANO TIME
 NICEWAY (the whole series)
 FLO1R - FLO2R - FLO4R
 VERY VR
 OPERA Series (available only as transmitter)



5.2) Memorizing the transmitters in Mode I and Mode II

Tables "A1" and "A2" describe the memorization of the transmitters in "Mode I" where a specific command is assigned to each button: button ▲ (1) = "Up"; button ■ (2) = "Stop"; button ▼ (3) = "Down".

The transmitters can also be memorized on "Mode II", which allows greater flexibility in the use of the transmitter buttons. Transmitters can be memorized both in Mode I and Mode II on the same NEOMAT-E motor.

5.2.1) Mode I

The command associated to the transmitter buttons is fixed in Mode I: button ▲ (1) = "Up"; button ■ (2) = "Stop"; button ▼ (3) = "Down", another button 4 commands the "Stop". A single memorization phase is performed in Mode I for each transmitter and a single section is occupied in the memory. It is not important which button is pushed when memorizing in Mode I. Memorizing the transmitters in Mode I (see Tables A1 and A2).

Mode I

Button	Command
Button ▲ or 1	Up
Button ■ or 2	Stop
Button ▼ or 3	Down
Button 4	Stop

5.2.2) Mode II

One of the four possible commands can be associated to each of the transmitter buttons in Mode II: 1 = Step-by-Step; 2 = Up-Stop; 3 = Down-Stop, 4 = Stop. A memorization phase is performed for each button in Mode II, and each occupies a section of the memory. The button pushed is memorized during memorization in Mode II. A new memorization is necessary if one wishes to assign another command to another button of the same transmitter.

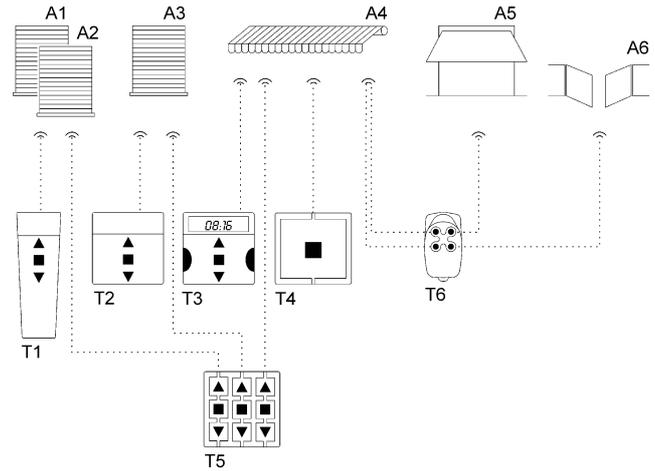
Mode II

No.	Command
1	Step-by-Step (up-stop-down-stop...),
2	Up-Stop (up-stop-up-stop...)
3	Down-Stop (down-stop-down-stop...)
4	Stop

5.2.3) Example of Mode I and Mode II combined memorization

Group commands can be created taking opportune advantage of the Mode I and Mode II memorizations as shown in the diagram.

- The T1 transmitter (Ergo1) memorized in Mode I on A1 and A2 simultaneously commands the Up, Stop or Down of both A1 and A2.
- The T2 transmitter (Plano1) memorized in Mode I on A3 only, commands the Up, Stop or Down of A3 only.
- The T3 transmitter (Planotime) memorized in Mode 1 on A4 only, commands the Up, Stop or Down of A4 only.
- The T4 transmitter (WM001C) memorized in Mode II (Step-by-Step) commands A4 only.
- The T5 transmitter (WM003G) memorized in Mode I to command A1 and A2 with group 1, A3 with group 2 and A4 with group 3; commands the Up, Stop or Down of A1 and A2, A3 or A4.
- The T6 transmitter (Flo4R) memorized in Mode II on A4 (buttons 1 and 3) on A5 (button 2) and on A6 (button 4), commands the Up and Down of A4, or the opening of the garage door A5 or the opening of the automatic gate A6.



WARNING:

- Some functions (positions, levels...) **cannot be** programmed with the transmitter memorized in Mode II as different buttons need to be pushed in this phase, such as button ■ and button ▲ for example.
- The “multiple group” commands **cannot be** used with a transmitter memorized in Mode II.

When one or more transmitters have already been memorized, others may be memorized in Mode II as shown in table A14.

Table “A14”	Memorizing additional transmitters in Mode II	Example
1.	Press and hold down the button to be memorized of the new transmitter (for approx. 5 seconds) until you hear a beep; then release it	New 5s
2.	Within 5 seconds push and hold the button of an old and already memorized transmitter (approx. 5 seconds) until 2 beeps are heard; then release the button	Old 5s
3.	Within 5 seconds start to push the same button of the old transmitter the same number of times equal to the required command: 1=“Step-by-Step” 2=“Up” 3=“Down” 4=“Stop”	New 1-4
4.	After about 3 seconds the same number of beeps as the selected command are heard.	3s 1-4
5.	Within 2 seconds push the same button of the new transmitter	New
6.	Release the button when you hear the first of the 3 beeps confirming memorization	

If at point 5 the same number of beeps equal to the selected command are not heard, simply do not push any more buttons and wait a few seconds for the programming to finish without memorizing.

Note: If the memory is full (14 transmitters), 6 beeps will indicate that the transmitter cannot be memorized.

A new transmitter can easily be memorized with the same characteristics as that of the old one by following the procedure in table A15. The “new” transmitter will inherit the characteristics of the old one, i.e. if the old transmitter was memorized in Mode 1, the new one will also function in Mode 1, if the old transmitter was memorized in Mode II then the button of the new transmitter will be associated to the same command as that of the old one.

Table “A15”	Memorizing other transmitters	Example
1.	Press and hold down the button to be memorized of the new transmitter (for approx. 3 seconds) then release it	New >3s
2.	Press and hold down the button to be memorized of the old transmitter (for approx. 3 seconds) then release it	Old >3s
3.	Press and hold down the button to be memorized of the new transmitter (for approx. 3 seconds) then release it	New >3s
4.	Press and hold down the button to be memorized of the old transmitter (for approx. 3 seconds) then release it	Old >3s
5.	The memorization of the new transmitter is confirmed with 3 beeps	

Note: If the memory is full (14 transmitters), 6 beeps will indicate that the transmitter cannot be memorized.

6) Disposal

As for the installation, the disposal of the product at the end of its effective life, must be performed by qualified personnel.

This product is made of various types of material, some of which can be recycled while others must be disposed of. Enquire about the recycling or disposal systems available for this product category in compliance with regulations locally in force.

Warning: some parts of the product may contain polluting or hazardous substances that, if incorrectly disposed of, could have a damaging effect on the environment or on the health of individuals.

As indicated by the symbol in figure, this product must not be disposed of in household waste. Perform "separated collection" for disposal in compliance with regulations locally in force, or return the product to the manufacturer when purchasing a replacement.



Heavy fines may be imposed by local laws for the illegal disposal of this product.

7) What to do if... a short troubleshooting guide!

6 beeps are heard after a remote control command is sent and the manoeuvre does not start.

The remote control is not synchronised therefore the transmitter needs to be memorised again.

10 beeps are heard after a command and the manoeuvre starts.

The self-diagnosis of the parameters in the memory has detected a fault (positions, movement direction incorrect). Check and if necessary repeat the programming.

The motor does not move after a command is given.

- The thermal cutout may have tripped, therefore wait for the motor to cool.
- Otherwise, try turning the motor on and off. If 2 beeps are not heard it may be that the motor has a serious fault and therefore needs replacing.

The motor stops before reaching the foreseen opening position (pos. "0", pos. "1") and attempts to start again twice.

This is normal if the programming of the "0" and "1" positions has been performed in the SEMI-AUTOMATIC mode: in case of overload during the opening manoeuvre, the motor is turned off for approximately 1 second and then attempts to complete the manoeuvre. Check if there are any obstacles preventing the manoeuvre.

The motor stops before reaching the foreseen opening or closing positions (pos. "0", pos. "1", pos. "1").

This is normal: in case of overload the motor is turned off. Check if there are any obstacles preventing the manoeuvre.

The motor moves only in the "hold-to-run" mode.

If the "0" and "1" have not been programmed the opening and closing manoeuvre of the motor occur in hold-to-run only. Program the "0" and "1" positions.

The "0" and "1" positions have been programmed but the closing manoeuvre has a hold-to-run movement.

The self-diagnosis of the parameters in the memory has detected a fault in the motor's position. Give the awning an up command and wait for it to reach the "0" position.

8) Technical specifications of the NEOMAT-E tubular motors

Supply Voltage and Frequency	: See the technical data on the label attached to each model
Current and power	: See the technical data on the label attached to each model
Torque and speed	: See the technical data on the label attached to each model
Motor diameter:	: NEOMAT-SE = Ø35mm; NEOMAT-ME = 45mm
Precision (Resolution) of the electronic limit switch	: greater than 0.55° (depending on the NEOMAT-E version)
Precision of the stop positions	: Class 2 (±5%)
Mechanical resistance	: in accordance with EN 14202
Continual operating time	: Maximum 4 minutes
Protection class	: IP 44
Working temperature	: -20÷55 °C
Length of connection cable	: 3 m

Radio receiver frequency	: 433.92 MHz
Radio receiver coding	: 52 Bit rolling code FLOR and FLOR+INFO
No. of transmitters that can be memorized	: 14
Range of ERGO, PLANO and NICEWAY transmitters	: Estimated 150 m in the open and 20 m inside buildings *

* The capacity of the transmitters is strongly influenced by other devices with continuous transmissions which operate at the same frequency. These include alarms, headphones, etc... which interfere with the receiver.

Nice S.p.a. reserves the right to modify its products at any time it deems necessary.

EC Declaration of conformity

according to Directive 1999/5/CE

Note: The content of the present declaration corresponds to the latest available revision, - before the printing of the present manual, - of the document registered at the head offices of Nice S.p.a. The original text of this manual has been readapted for publishing reasons

Number: 281/Neomat xE Revision: 0

The undersigned Lauro Buoro, managing director, declares under his sole responsibility that the following product:

Manufacturer's name: NICE s.p.a.
Address: Via Pezza Alta 13, 31046 Z.I. Rustignè, Oderzo (TV) Italy
Type: Tubular geared motor for roller shutters, awnings and solar screens with integral controller and radio receiver
Models: Neomat SE, Neomat ME
Accessories: ERGO, PLANO, NICEWAY, OPERA radio control devices

Satisfies the essential requirements of the following Directives:

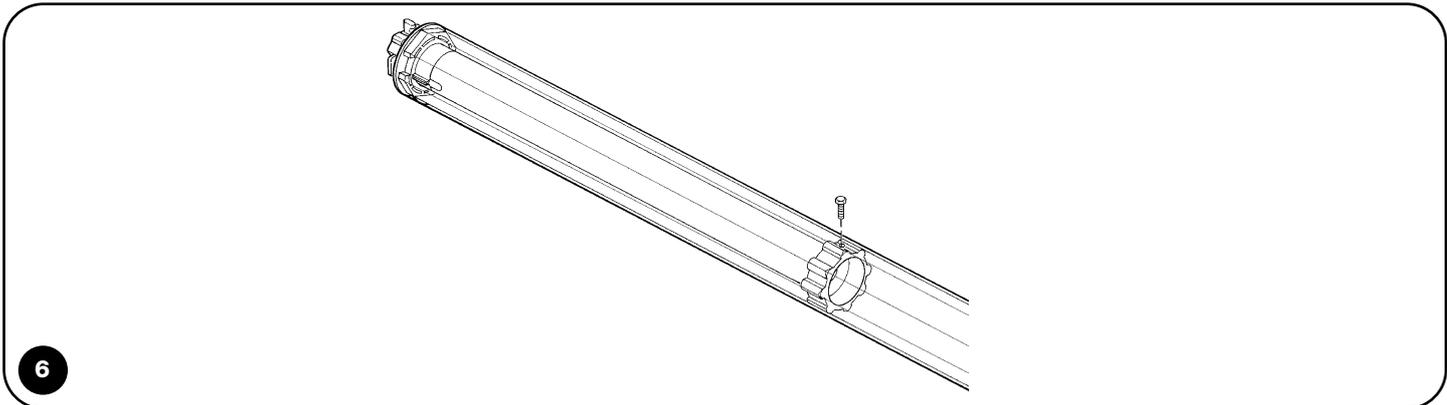
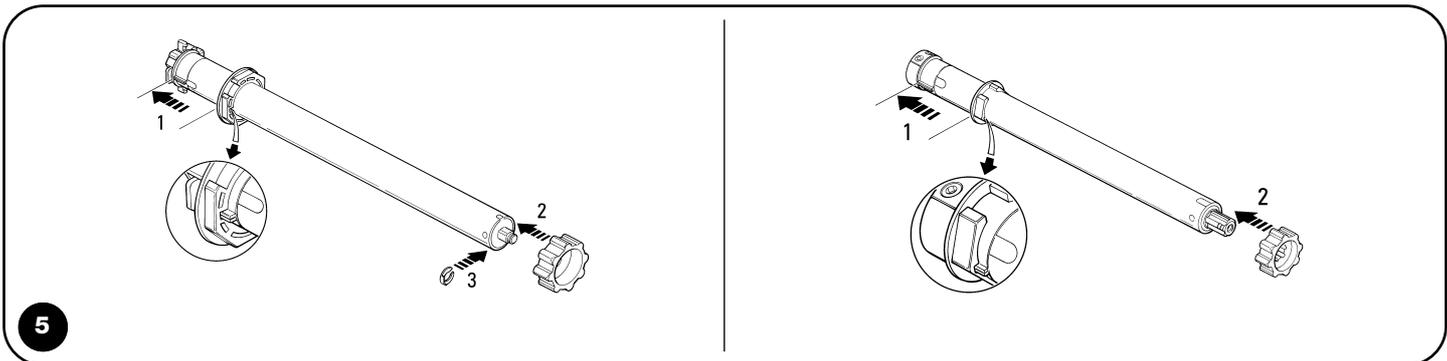
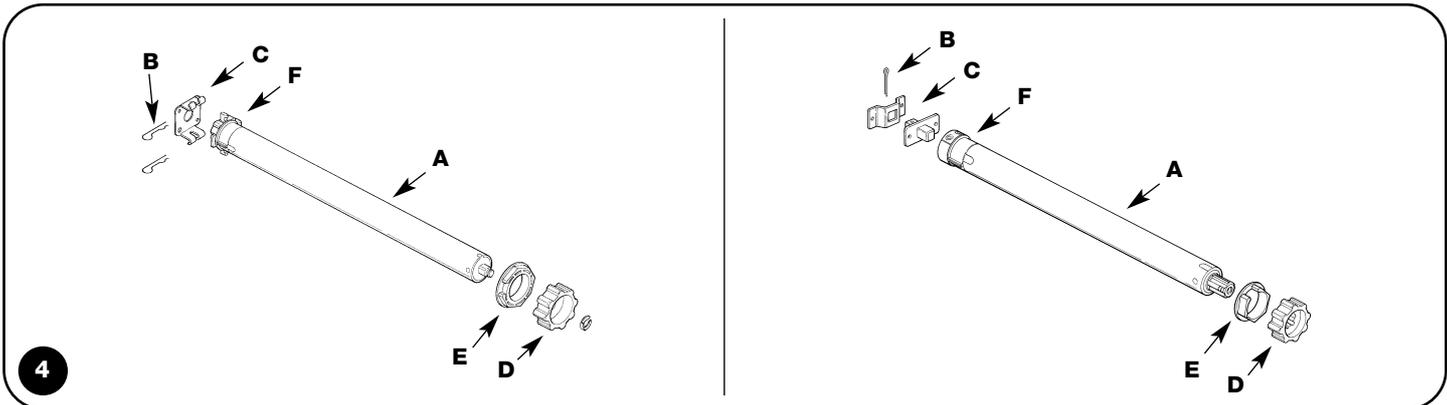
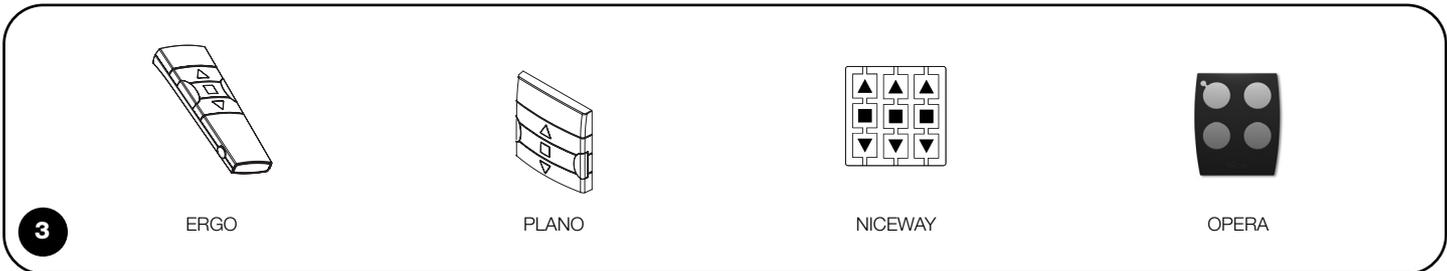
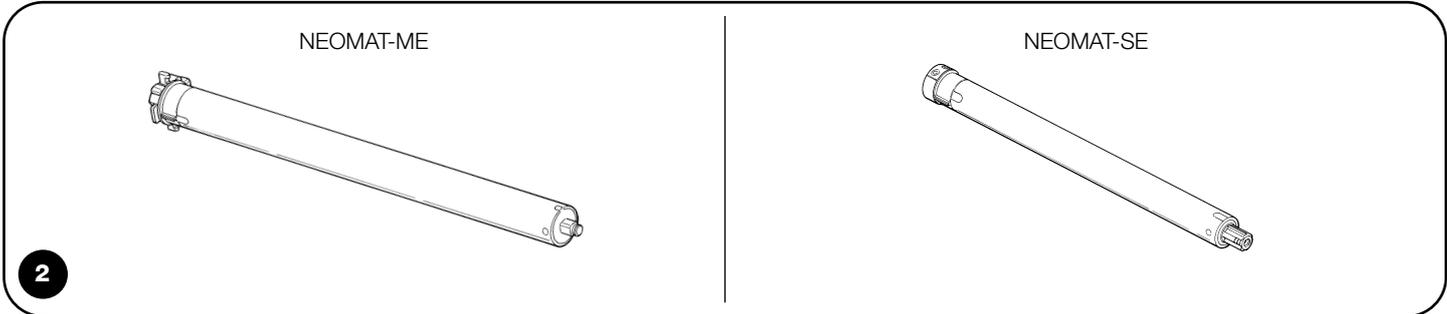
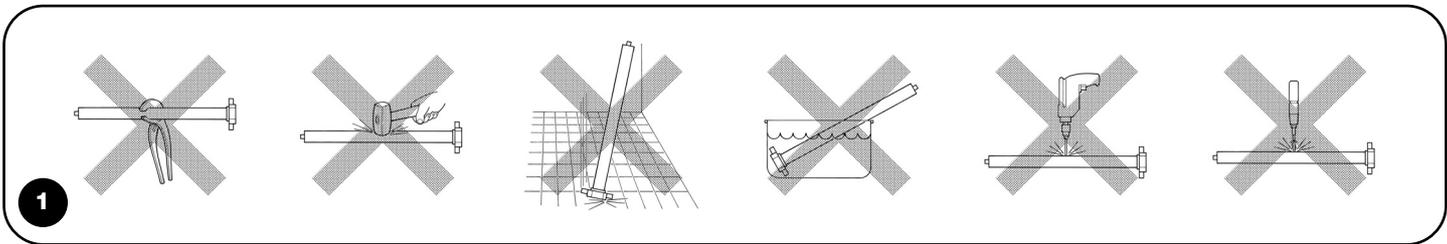
- 1999/5/CE; DIRECTIVE 1999/5/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of March 9, 1999 concerning radio equipment and telecommunications terminal equipment and mutual recognition of their conformity.
According to the following harmonised standard: EN 300220-2 V2.1.2:2007, EN 60950-1:2001

Furthermore, the product complies with the specifications of the following EC directives, as amended by the directive 93/68/CEE of the European Council of 22 July 1993:

- 73/23/ EEC DIRECTIVE 73/23/EEC OF THE COUNCIL of February 19, 1973 for the harmonisation of the legislations of member States regarding electrical equipment designed to be used within certain voltage limits
According to the following harmonised standard: EN 60335-2002+A1:2004+A11+A12:2006:2004+A2:2006; EN 60335-2-97:2006, EN 50366:2003+A1:2006
- 89/336/ EEC DIRECTIVE 89/336/EEC OF THE COUNCIL of May 3, 1989, for the harmonisation of the legislations of member States regarding electromagnetic compatibility
According to the following harmonised standard: EN 301 489-1 V1.6.1:2005; EN 301 489-3:2002

Oderzo, 04 December 2007


Lauro Buoro
(Managing Director)





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