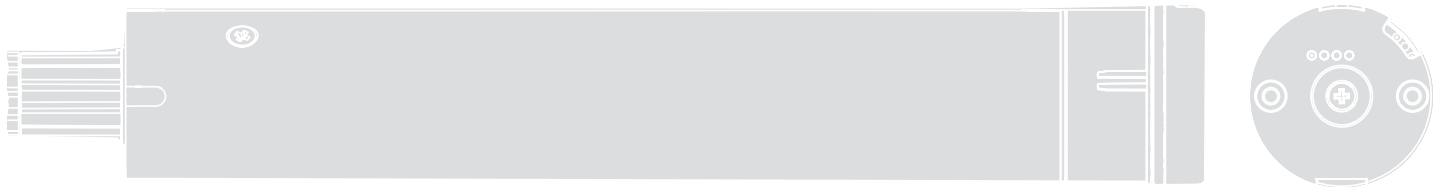


Era Inn Edge^{DC} S Li-Ion **BD** ^{CE}

E EDGE SI 228 DC BD



Tubular motor

EN - Installation and operating instructions and warnings.

Nice

GENERAL WARNINGS: SAFETY - INSTALLATION - OPERATION (original instructions in Italian).

ATTENTION Important safety instructions. Follow all instructions as improper installation can lead to serious damage.

ATTENTION Important safety instructions. It is important for personal safety that you follow these instructions. Keep these instructions in a safe place.

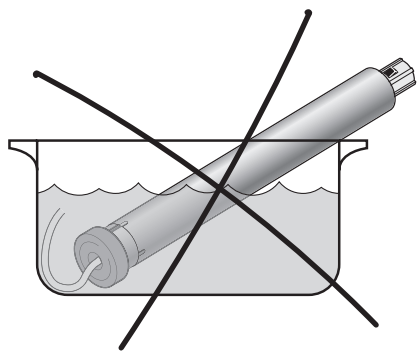
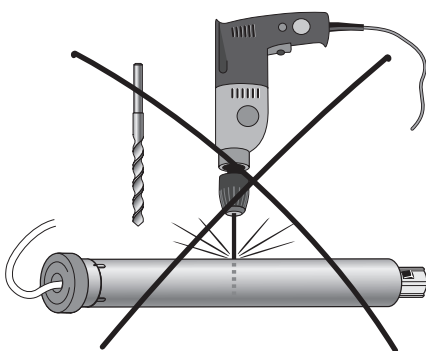
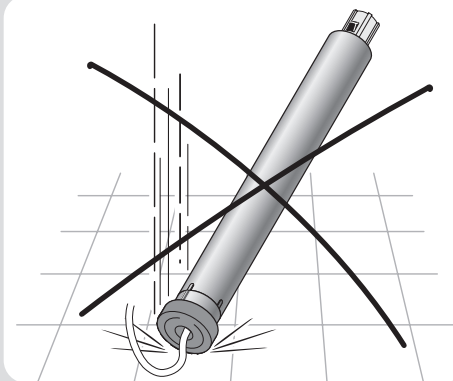
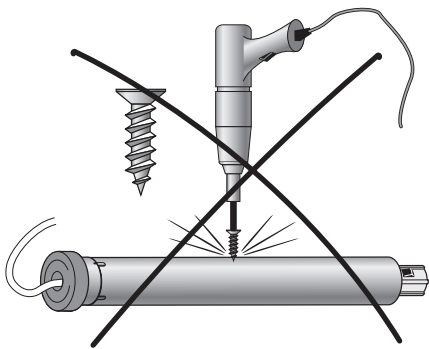
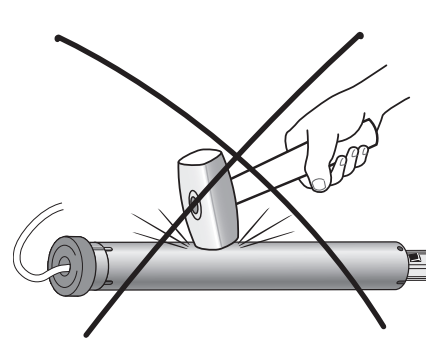
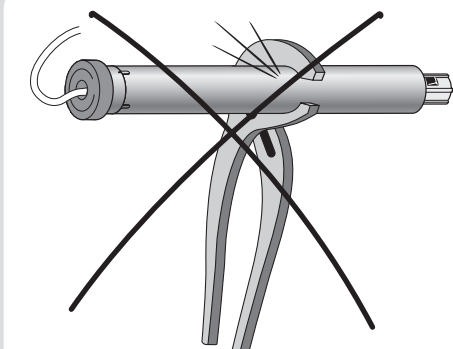
- Before you start the installation, you should check the 'Technical data of the product', in particular whether this product is suitable for the automation of your training room. If this is not the case, DO NOT carry out the installation.
- The product may only be used after it has been commissioned in accordance with the chapter 'Testing and commissioning'.

ATTENTION According to the latest European legislation, the manufacture of an automated system must comply with the harmonised standards provided for in the Machinery Directive in force, on the basis of which the presumed conformity of the automated system can be declared. For this reason, all work relating to connection to the mains, testing, commissioning and maintenance of the product must only be carried out by a qualified and competent technician!

- Before installing the product, ensure that all materials to be used are in good condition and suitable for use.
- The product is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience or knowledge.
- Children must not play with the appliance.
- Do not allow children to play with the appliance controls. Keep the remote controls away from children.
- Handle the product with care during installation and avoid crushing it, knocking it, dropping it or allowing it to come into contact with liquids of any kind. Do not place the product near heat sources and do not expose it to naked flames. All these actions can damage it and lead to malfunctions or dangerous situations. In this case, stop the installation immediately and contact customer service.
- The manufacturer is not liable for damage to property or personal injury caused by failure to follow the installation instructions. The guarantee for material defects is excluded in these cases.
- The sound pressure level of the A-weighted emission is below 70 dB(A).
- Cleaning and maintenance intended by the user must not be carried out by unsupervised children.
- Check the system frequently, especially the cables, springs and brackets, to ensure that they are not out of balance and show no signs of wear or damage. Do not use if repair or adjustment is required as incorrect installation or a poorly balanced drive can cause injury.
- The product's packaging material must be disposed of in accordance with local regulations.
- A distance of at least 0.4 m must be maintained between the driven parts and fixed objects.
- The labelling on the tubular motors can be covered after installation.
- Watch out for the moving roller shutter and keep your distance until the roller shutter is fully lowered.
- Be careful when operating the manual release device, as a raised roller shutter can fall down quickly if the springs are weak or broken.
- Do not use the external blind if maintenance work, such as window cleaning, is being carried out nearby.
- Disconnect the awning from the power supply if maintenance work, e.g. window cleaning, is being carried out in the vicinity. Warning for the 'automatically controlled roller blind'.

INSTALLATION WARNINGS

- Before installing the drive motor, remove all unnecessary cables and switch off all devices that are not required for motorised operation.
- Install the manual release actuator at a height of less than 1.8 metres.
NOTE: If it is removable, the actuator must remain in close proximity to the door.
- Make sure that the actuators are away from the moving parts, but still allow a direct view of them.
The actuating element of a manually operated switch must be in a position that is visible from the guided part but away from moving parts. It must be mounted at a height of at least 1.5 metres.
- Permanently installed operating devices must be positioned so that they are visible.
- For drive motors that allow access to unprotected moving parts after installation, these parts must be installed at a height of more than 2.5 m above the floor or at another level that allows access.
- This device complies with FCC radiation exposure limits set forth for an uncontrolled environment. To ensure compliance, a minimum separation distance of 20 cm must be maintained between the device and the user during normal operation.



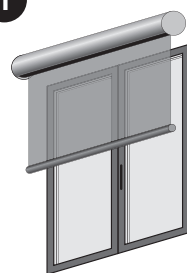
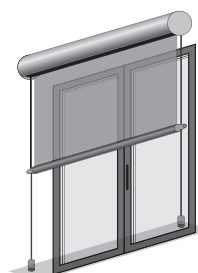
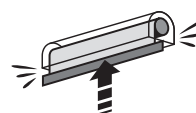
1 PRODUCT DESCRIPTION AND INTENDED USE

This product is a tubular motor that allows you to automate an indoor roller blind, or an indoor sun screen, or a similar rolling device (**fig. 1**). **Any other use is prohibited!** **The manufacturer is not liable for damage resulting from improper use of the product, with respect to what is described in this manual.**

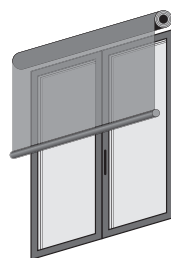
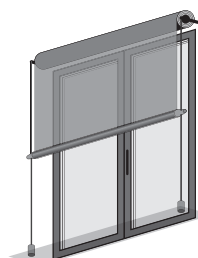
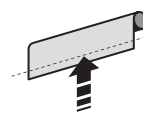
The product has the following functional characteristics:

- is powered by a rechargeable battery (see the data on the engine plate);
- is installed inside the roller blind; the part of the motor that protrudes from the roller (electronic head) is fixed to the ceiling or wall with special support brackets (not included in the package);
- integrates a radio receiver and a control unit with encoder technology which guarantees electronic control of the movement and the precision of the limit switches;
- can be configured and operate with both ONE-WAY and TWO-WAY transmission logic. Nice's new two-way radio protocol allows communication in both directions between the transmitter and the receiver, as well as the mesh network functionality that allows you to reach any Nice automation within radio range. The signal given by the transmitters confirms whether the command has been correctly received and allows you to check the position of the automation at any time. By using wireless technology, even the initial programming phase is simple and intuitive.
- is compatible with all Nice control electronics that adopt the NRC radio system (transmitters);
- can be controlled via radio, using various optional accessories, not included in the package (see **fig. 2**);
- can move the awning up or down, can stop it at the upper limit switch, at the lower limit switch or in other intermediate positions (up to 30 if the motor is configured to operate in ONE-WAY mode or up to 6 if the motor is configured to operate in TWO-WAY mode);
- guarantees the same speed with curtains of different weights;
- guarantees the same speed when going uphill and downhill;
- allows you to adjust the "nominal" sliding speed of the awning, giving the end user the possibility of choosing between five speed levels;
- allows you to adjust the duration of the maneuver;
- allows you to adjust the acceleration and deceleration of the movement, respectively at the beginning and end of the maneuver;
- is equipped with a safety system that detects the presence of an obstacle along the path of the awning, immediately blocking the manoeuvre in progress and performing a brief reversal of the movement;
- allows you to customise the control of radio transmitter keys (Mode II);
- integrates an LED to signal system status and possible malfunctions;
- is equipped with a 'thermal protector' which, in the event of overheating due to continuous use of the drive beyond the permitted limit (see chapter 'Technical characteristics'), automatically interrupts the power supply and restores it when the temperature returns to normal.

1



With housing
(the upper limit switch will be the stop of the blind on the cassette).



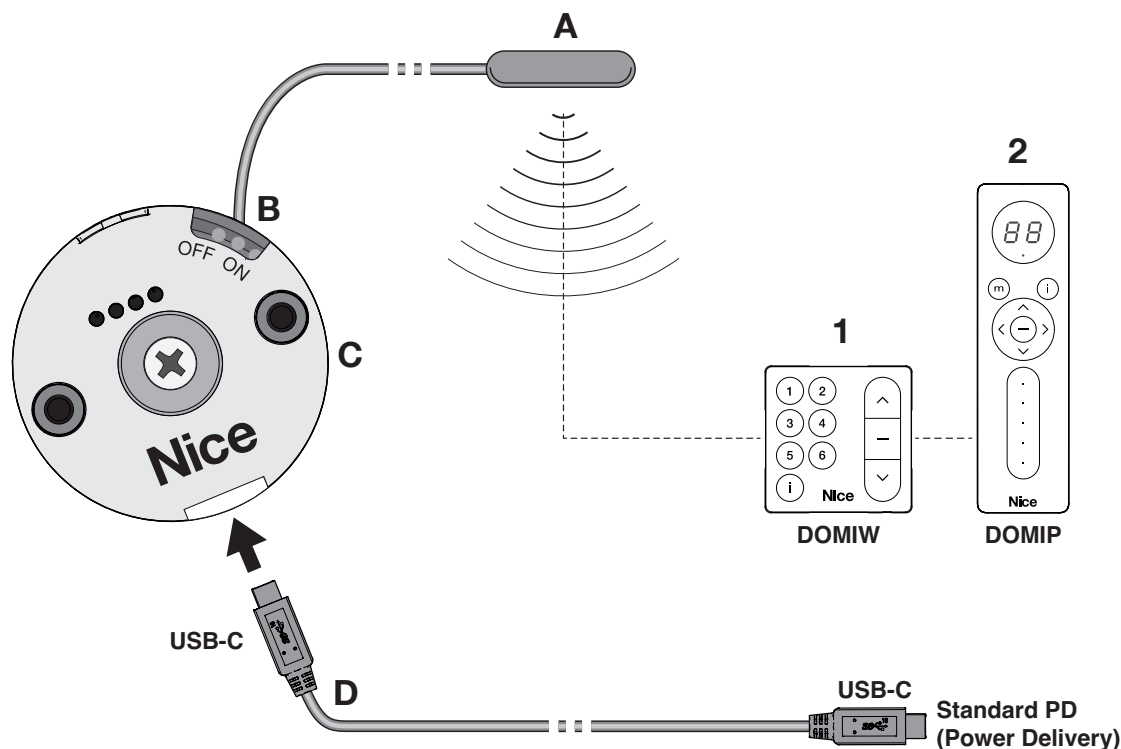
Without housing
(The limit switch is located at a desired point in the position programmed by the installer).

2 INSTALLATION OF THE MOTOR AND ACCESSORIES

2.1 - Pre-installation checks and limits of use.

- Check the integrity of the product immediately after removing it from the packaging.
- Make sure that the torque, rotation speed and operating time of this motor are suitable for automating your awning. In particular, **do not install the motor if its torque is greater than that required to move your awning.** To choose the motor that is best suited to the technical characteristics of your awning, refer to the "Motor selection guide", in the Nice product catalogue, which can also be consulted on the website www.niceforyou.com.
- Check the diameter of the winding roller. This must be chosen according to the motor torque, as follows:
 - for motors with size "S" ($\varnothing = 35 \text{ mm}$), the minimum internal diameter of the winding roller must be 40 mm.

2



LEGEND

A	Antenna cable	1	Hand-held transmitter 'DOMIW' series
B	ON/OFF switch	2	DOMIP' series hand-held transmitter
C	Electronic motor head		
D	USB cable TYPE C for charging the battery (not included in the scope of delivery).		

2.2 - Assembly and installation of the tubular motor

Caution! - Read the warnings carefully before starting the installation. Improper installation can result in serious injury.

To assemble and install the motor, refer to **Fig. 3** (the accessories in **Fig. 3** are not included in the packaging). To select the limit switch pinion (**Fig. 3-a**), the drive wheel (**Fig. 3-b**) and the motor mounting bracket (**Fig. 3-f**), please refer to the Nice product catalogue, which is also available at www.niceforyou.com.

2.3 - Installation of accessories (optional)

After installing the motor, you must also install the accessories, if these are provided. To identify the compatible ones and choose the desired models, refer to the Nice product catalogue, also available on the website www.niceforyou.com. The **fig. 2** shows the type of compatible accessories and their connection to the motor (all these are optional and not included in the package).

3.2 - Homogeneous grouping of programming and setting procedures.

The programming and setting procedures are divided into three groups :

Group A - for motors configured as communication mode **BIDIRECTIONAL**.



These procedures only need to be carried out if the motor is configured for **BIDIRECTIONNEL** communication mode.

Group B - for motors configured for communication mode **MONODIRECTIONAL**.



These procedures only need to be carried out if the motor is configured for **SINGLE DIRECTION** communication mode.

Group C - for motors configured in communication mode **SINGLE DIRECTIONAL** and using a transmitter without the **PRG** and **ESC** buttons.



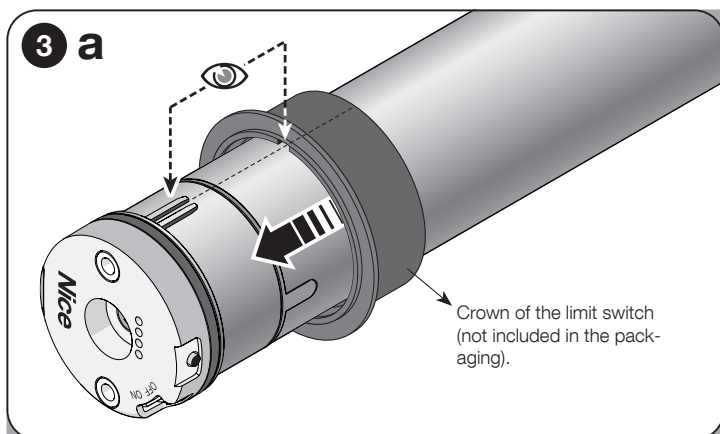
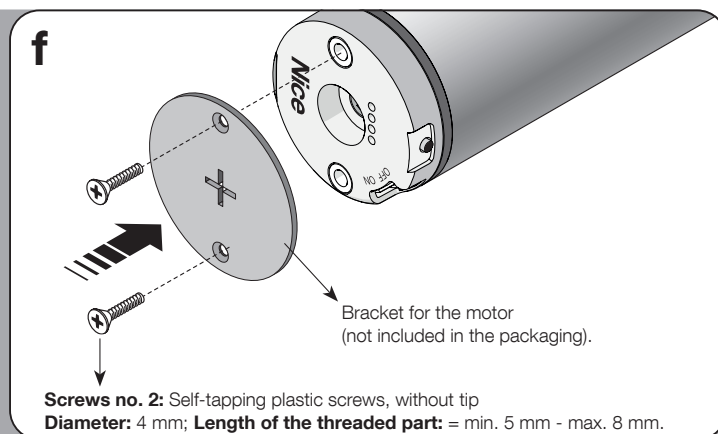
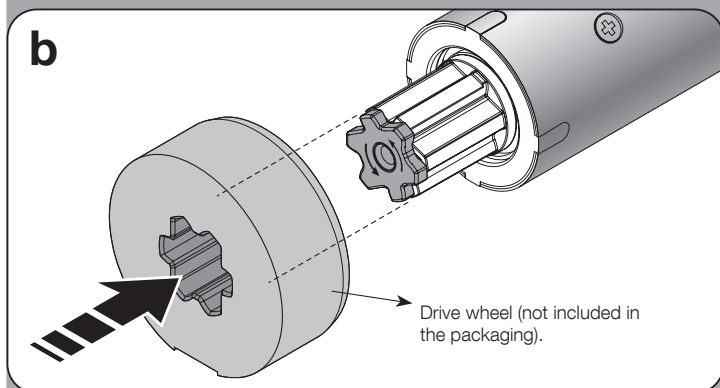
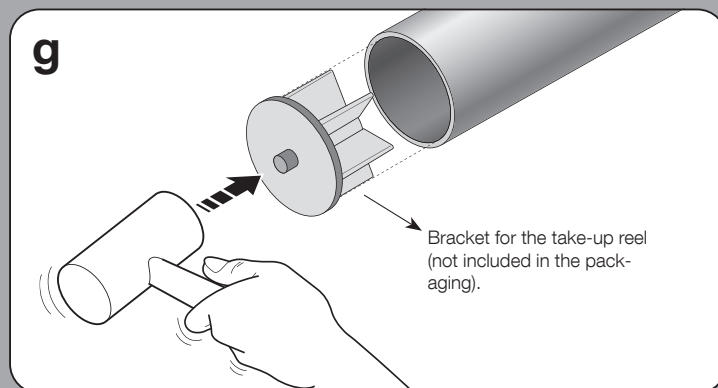
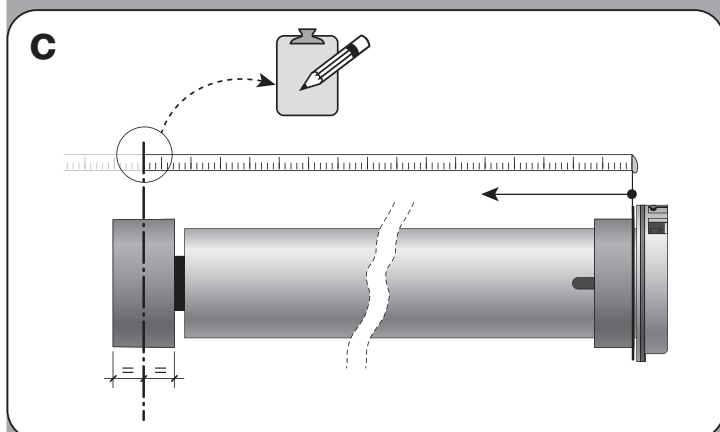
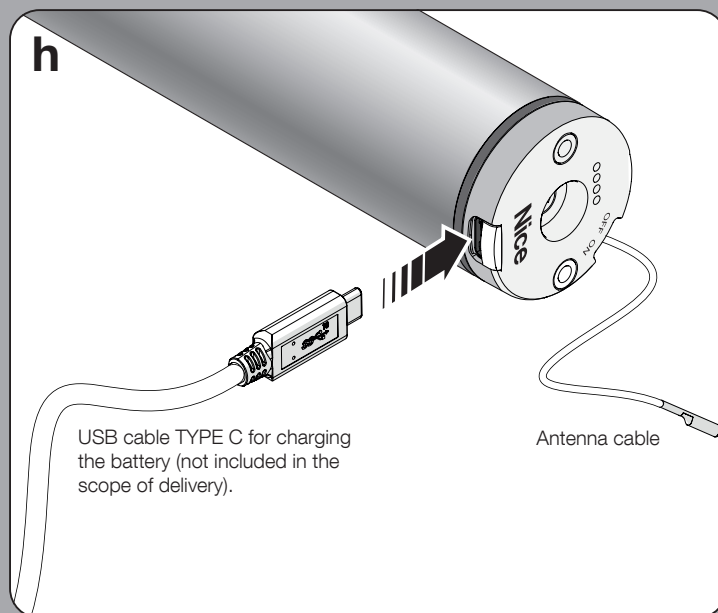
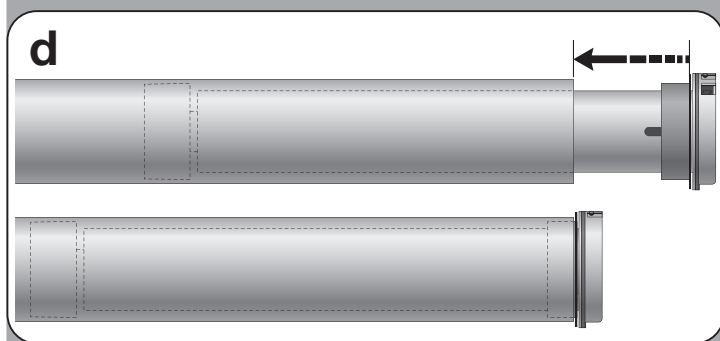
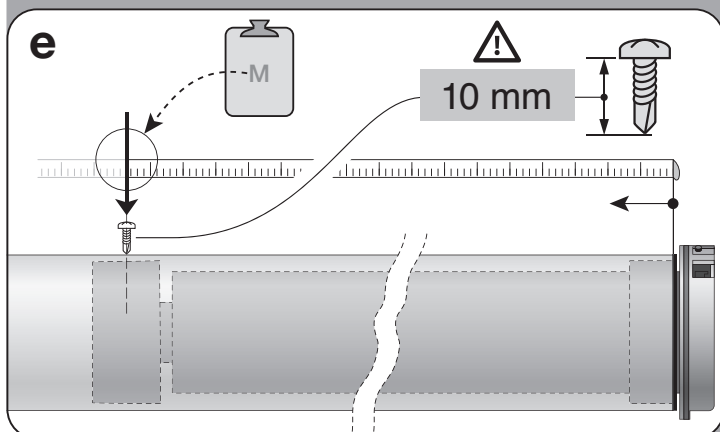
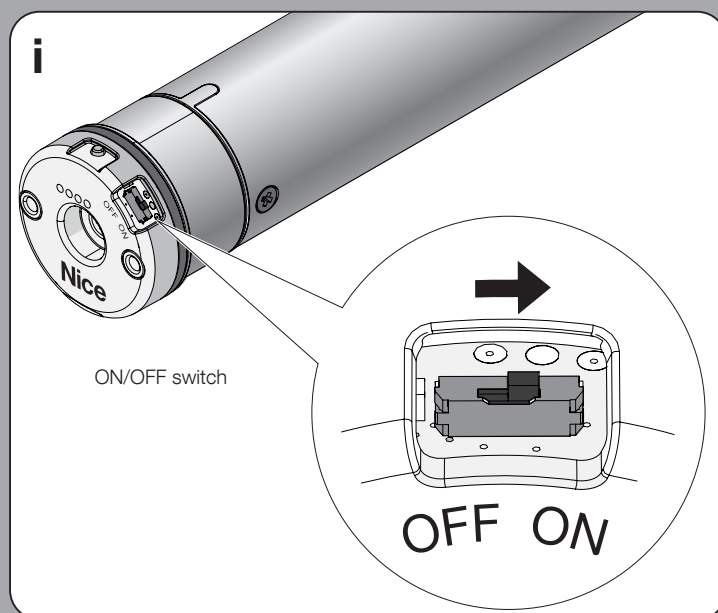
These procedures must be performed only if the motor is configured in **ONE-WAY** communication mode and you are using a transmitter with **▲** (UP), **■** (STOP) and **▼** (DOWN) buttons, without **PRG** and **ESC** buttons.

3 PROGRAMMING AND SETTINGS

3.1 - BIDIRECTIONAL and SINGLE DIRECTIONAL operating logic.

The motor can be operated with the **BIDIRECTIONAL** or **SINGLE DIRECTIONAL** transmitter logic. The type of the first stored transmitter (**MONO** or **BIDI**) determines which of the two logics is adopted.

ATTENTION: If the motor is new when it is switched on (no handheld transmitter is memorised), it is set to **BIDIRECTIONAL** mode, i.e. it can accept all bidirectional transmitters. If no bidirectional transmitter is linked within **10 seconds** after switching on, the motor makes a short movement to indicate that it is in **MONODIRECTIONAL** mode from this point on and can therefore only communicate with monodirectional transmitters.



3.3 - Transmitter to be used for the programming procedures.

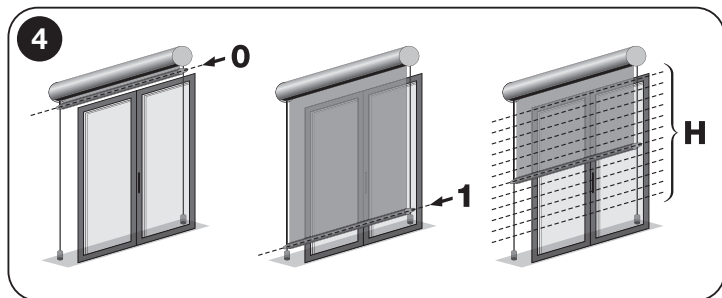
- Procedures that can be carried out with a Nice radio transmitter of the 'DOMIP' or 'DOMIW' series equipped with the PRG, ESC buttons or with transmitters equipped with the STOP button.
- All programming procedures must be carried out with a single channel selected on the transmitter.
- The programming procedures should only be carried out with a transmitter memorised in 'Mode I' (see procedures A.1 - B.1).
- If the transmitter used for programming controls several groups of automations, the 'group' to which the automation being programmed belongs must be selected during a procedure before sending a command.

3.4 - Positions at which the blind stops automatically.

The electronic system, which constantly monitors the movement of the blind, sunshade or roller shutter, is able to stop the movement automatically when the Tenda reaches a specific position programmed by the installer. The positions are shown in Fig. 4 and are as follows:

- Position '0' = limit switch **HIGH** (blind fully rolled up) ;
- Position '1' = Limit switch **LOW** (blind fully unrolled) ;
- Position 'H' = Position **INTERMEDIA** (curtain partially open).

When the limit switches are not yet programmed, the movement of the awning can only occur with the "dead man" function, that is, by holding down the control button for the desired duration of the maneuver; the movement stops as soon as the user releases the button. Instead, after programming the limit switches, a simple impulse on the desired button will be enough to start the awning and the movement will end automatically as soon as the awning (or the roller shutter) reaches the expected position.



To adjust the "0" and "1" dimensions, various procedures are available; the choice of the appropriate one must take into account the load-bearing structure of your tent (see summary in the table).

ATTENTION! – If you want to re-adjust the limit switch positions already adjusted previously, consider that:

- if you want to adjust them using an alternative method to the one previously used, you must first delete the dimensions using method A.4 or B.4.
- If you want to set them using the same procedure as before, you do not need to delete them.

Programming the limit switches also simultaneously matches the two directions of rotation of the motor to the respective up (▲) and down (▼) buttons on the control device (initially, when the limit switches are not yet programmed, the pairing is random and it may happen that by pressing the ▲ button, the awning moves down instead of up, and vice versa).

3.5 - General warnings

- The limit switch adjustment must be done after having installed the motor and turned it on.
- Strictly respect the time limits indicated in the procedures: from the release of a key you have 60 seconds to press the next key provided for in the procedure, otherwise, when the time expires the motor performs 6 movements to communicate the cancellation of the procedure in progress.
- During programming, the motor performs a certain number of **short movements**, as a "response" to the command sent by the installer. It is important to count these movements, without considering the direction in which they are performed. The movements are indicated in the procedures with a number followed by the symbol $\updownarrow$.

3.6 - Important notes on memorising radio transmitters.

- To select the transmitters compatible with the radio receiver installed in the motor, refer to the Nice product catalogue, also available on the www.niceforyou.com website.

- If there is no transmitter in the motor's memory, to memorise the **FIRST transmitter**, carry out the 'Procedure for configuring the communication mode (SINGLE or BIDIRECTIONAL)' and then use one of the following procedures: **A.1** (motor configured to BIDIRECTIONAL); **B.1** (motor configured to SINGLE-DIRECTIONAL). If, on the other hand, one or more transmitters have already been saved, use only one of the following procedures to save **THOSE OTHER TRANSMITTERS**: **A.2** (motor configured as BIDIRECTIONAL); **B.2** (motor configured as SINGLE-DIRECTIONAL).

3.6.1 - Two procedures for memorising transmitter buttons.

The procedures for memorising transmitter buttons are divided into two categories:

A - Procedures for storing buttons in 'Mode I' (also called 'Standard Mode').

These are procedures A.1 - A.2 (motor configured as BIDIRECTIONAL); B.1 - B.2.1 (motor configured as MONODIRECTIONAL). During their execution, these allow you to simultaneously memorize all the transmitter keys, automatically associating each key with a basic motor command.

B - Procedures that memorise the buttons in 'Mode II' (also known as 'Personal Mode', only valid if the motor is configured in SINGLE-DIRECTIONAL communication mode).

These are procedures B.2.2. During their execution, these allow you to memorize a single button of the transmitter, matching it to one of the commands available in the "list of commands" of the motor (the list is found within each procedure). The button and the command are chosen by the installer, based on the installation needs.

3.6.2 - Number of memorisable transmitters (only valid if the motor is configured in MONODIRECTIONAL communication mode)

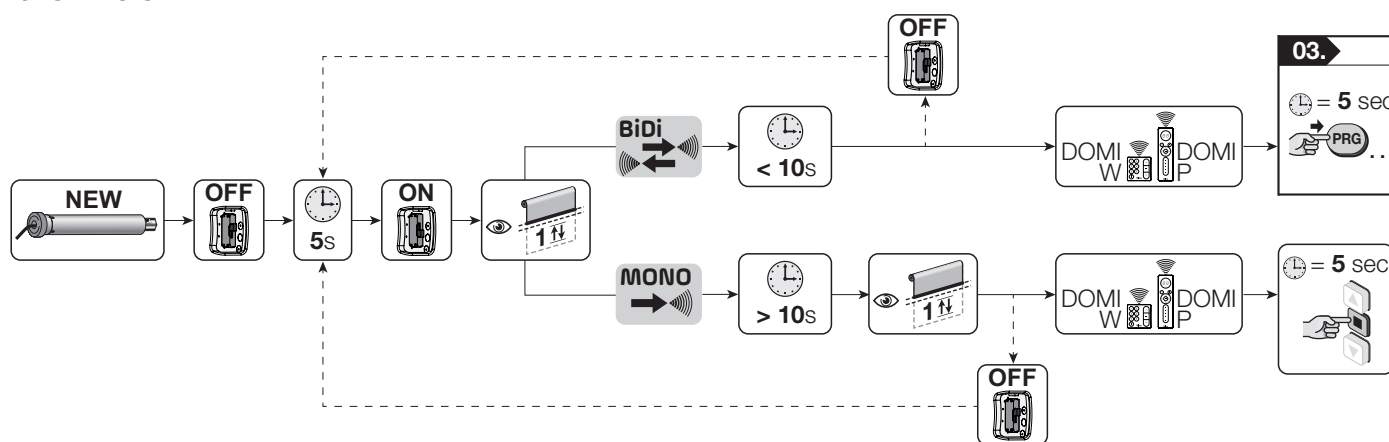
You can store **30 transmitters**, if they are all stored in "Mode I", or you can store **30 individual commands (buttons)**, if they are all stored in "Mode II". The two modes can coexist up to a maximum limit of 30 stored units.

Procedure for configuring the communication mode (SINGLE or BIDIRECTIONAL)

GENERAL WARNINGS WHEN CARRYING OUT PROCEDURES

- Before starting any programming procedure, it is advisable to bring the awning to approximately halfway or, in any case, far from the High and Low limit switches.
- When the motor is powered, if it performs **2 movements** it means: at least one transmitter already memorized and no limit switches programmed; or, if it performs **1 movement** it means: no transmitter memorized.
- While performing a procedure, at any time it is possible to cancel the same procedure by pressing and releasing the **ESC** button (on the back of the transmitter).
- To change the motor configuration (from SINGLE to BIDIRECTIONNEL and vice versa), you must perform the 'TOTAL MEMORY CLEARING' operation (motor A.3 set to BIDIRECTIONNEL or motor B.3 set to SINGLE-TIONNEL), switch the motor off and on again.

ATTENTION: If the motor is new when it is switched on (no remote control is memorised), it is configured in **BIDIRECTIONAL** mode and can therefore accept all bidirectional transmitters. If no bidirectional transmitter is assigned within 10 seconds of switching on, the motor will make a short movement to indicate that it is in **MONODIRECTIONAL** mode from this point onwards and can therefore only communicate with monodirectional transmitters.



- Complete the **saving of the first transmitter** by following the procedure described in **A.1 Motor set to BIDIRECTIONAL** or **B.1 Motor set to SINGLE DIRECTIONAL**.

GENERAL WARNINGS WHEN CARRYING OUT PROCEDURES

- Before starting any programming procedure, it is advisable to bring the awning to approximately halfway or, in any case, far from the High and Low limit switches.
- All programming procedures must be carried out with a single channel selected on the transmitter.
- If the transmitter chosen for programming commands **multiple groups of screen motors**, before sending a command required by the procedure, it is necessary to select the "group" to which the motor involved in the memorization belongs.
- **[*]** If the motor performs **2 movements** when the power supply is switched on, this means: at least one transmitter already memorised and no programmed limit switch; or, if it performs **1 movement**, this means: no memorised transmitter.
- While performing a procedure, at any time it is possible to cancel the same procedure by pressing and releasing the **ESC** button (on the back of the transmitter).
- When the High and Low limit switches are not programmed, the awning can only be controlled with the "dead man" function, i.e. by holding down the control button until the awning reaches the desired position. The operation is stopped by the user releasing the button at any time.
- When the High and Low limit switches are programmed, to control the awning simply press the control button. This press starts the manoeuvre which will then be stopped automatically by the system when the awning reaches the programmed position.
- To perform all procedures it is necessary to use a transmitter memorized in "Mode I" (for example, the one memorized with procedure A.1 or those memorized with procedures A.2).
- The "cancellation procedure performed with a non-memorized transmitter" is not present in this section since for motors configured in BIDIRECTIONAL communication mode it is always possible to access by following the "Memorization of the FIRST TRANSMITTER A.1" procedure.

A A.1 - Memorizing the **FIRST TRANSMITTER** (in "Mode I")



- **Attention: In the USA and Canada version of this tubular motor, this procedure can only be performed with DOMi transmitters.**
- This procedure must be used only to memorize the FIRST TRANSMITTER. If the motor does not perform it, it means that **one or more transmitters are already memorized**; therefore, to memorize others, use the procedures described in section A.2 (motor configured as BIDIRECTIONAL) or B.2 (motor configured as MONODIDIRECTIONAL).
- If all the transmitters stored in the engine are deleted, you must use this procedure to store the first transmitter again.
- If there are multiple motors in the application, repeat the procedure for each motor present.
- After carrying out this procedure, the ▲ button on the transmitter will command the Up movement of the awning, the ▼ button will command the Down movement and the ■ button will command the Stopping of the manoeuvre.
- If there are several powered motors within the range of the transmitter to be memorized, to memorize the first transmitter in one of these **it is not necessary to turn off (switch to OFF) all the other motors**; simply proceed as follows:

<p>1</p> <p>Ensergise the area ;</p>	<p>2</p> <p>Count 1 movement. [*]</p>	<p>Hold down the button;</p>	<p>Release it after 5 seconds;</p>	<p>→ 3</p> <p>Within the next 2 minutes, all motors within radio range that do not have a memorised transmitter will start moving up and down, each with a random duration.</p>
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<p>3</p> <p>Select the awning you want to program and, at the start of an UP movement, stop the movement IMMEDIATELY by pressing and releasing the button (1 time):</p>	<p>the movement stops briefly (= command received) and ...</p>	<p>... the roller shutter starts making up and down movements again, each of random duration.</p>	<p>→ 4</p>
--	--	---	-------------------

4		End	
Observe the same awning and, at the beginning of a DOWN movement , stop IMMEDIATELY the movement by pressing and releasing the button (1 time):		the movement stops ; count 3 movements.	

A A.2 - Storing an **ADDITIONAL TRANSMITTER** (the second, the third, etc.)

NOTES AND WARNINGS

- The motor configured for BIDIRECTIONAL operation can memorize up to 16 transmitters.
- To carry out the procedures A.2 you need to have a **new transmitter to memorize** and an **old transmitter already memorized**. The two transmitters must have the "PRG" and "ESC" buttons (like, for example, the models of the "DOMIP" and "DOMIW" series).
- Procedure A.2 memorizes all the keys of the new transmitter, in "Mode I", reproducing the same configuration as the **old transmitter** (for information on "Mode I" read paragraph 3.6.1).

1		2		→ 3	
On the OLD transmitter: Press the button;		On the NEW transmitter: Press and hold the button ;		Release it after 5 seconds ;	
count two movements.				count two movements.	

3		4		End	
On the OLD transmitter: Press the button;		On the NEW transmitter: Press the button ;		count the movements 3 (= memorised transmitter) .	
count two movements.					

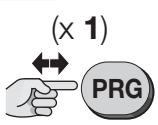
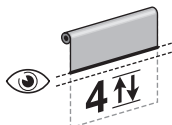
A A.3 - **TOTAL or PARTIAL** memory deletion

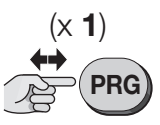
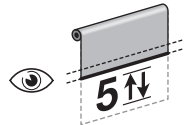
NOTES AND WARNINGS

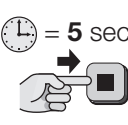
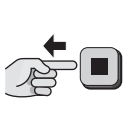
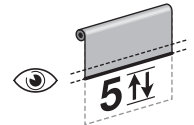
- To perform the following deletion procedures, the transmitter must be stored in "Mode I".
- To change the motor configuration (from BIDIRECTIONAL to MONODIDIRECTIONAL) it will be necessary, after having carried out the "TOTAL memory deletion" procedure, to switch the motor off and on again.
- Once the transmitter has been deleted from the motor memory, it is necessary to delete the motor that is no longer associated from the transmitter memory, to avoid the appearance of error messages on the transmitter for "no motor" (refer to the transmitter manual).**

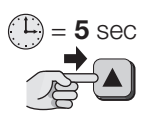
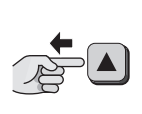
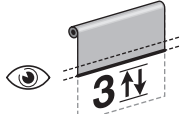
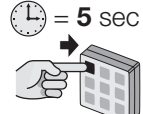
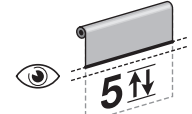
A.3.1 - Procedure carried out with a stored transmitter

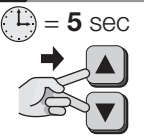
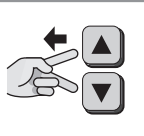
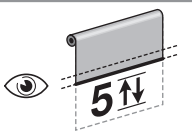
1		2		3		→ 4	
Press and release the button (1 time) ;		Press and release the button (1 time) ;		Press and release the button (1 time) ;		count 3 movements.	
count two movements.		count two movements.					

4		5 ...	
		Choose the desired option below and execute it: <ul style="list-style-type: none">- Option A (*) - <u>Clear all memories of the motor.</u>- Option B (*) - <u>to delete ALL transmitters memorised in the motor.</u>- Option C (*) - <u>to delete ONLY ONE transmitter stored in the motor.</u>- Option D (*) - <u>to delete ALL quotas stored in the motor ('0', '1', 'H', etc.).</u> Warning! - This deletion should only be carried out if you want to programme the odds again, but with a different <u>procedure than before.</u> (*) Attention! – Once you have carried out the procedure relating to the chosen option (A, B, C or D), also dissociate the two-way radio control (refer to the instructions for the two-way radio control).	
Press and release the button (1 time) ;	count 4 movements.		

option - A	5		End	
				
	Press and release the button (1 time) ;	count five movements.		

option - B	5		End	
				
	Hold down the button;	Release it after 5 seconds;	count five movements.	

option - C	5		6		End	
						
	Hold down the button;	Release it after 5 seconds;	count 3 movements.	On the transmitter to be deleted: Press and hold any button or the button stored in mode 2 ;	count five movements.	

option - D	5		End	
				
	Hold down both buttons at the same time;	release them after 5 seconds;	count five movements.	

A.3.2 - Procedure with a transmitter not saved.

- The "cancellation performed with a non-memorized transmitter" procedure is not present in this section since for motors configured in BIDIRECTIONAL communication mode it is always possible to access by following the "Memorization of the FIRST TRANSMITTER A.1" procedure.

-- PROCEDURES OF GROUP 'B' --

apply to motors that are configured in **SINGLE-DIRECTIONAL** communication mode.

achievable exclusively with a Nice transmitter from the "DOMIP" or "DOMIW" series, equipped with the ▲, ■, ▼, PRG, ESC buttons

GENERAL WARNINGS WHEN CARRYING OUT PROCEDURES

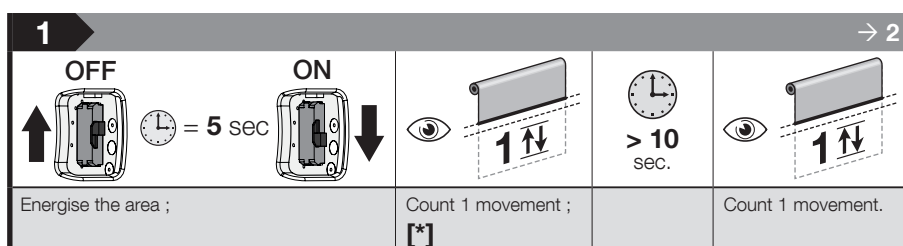
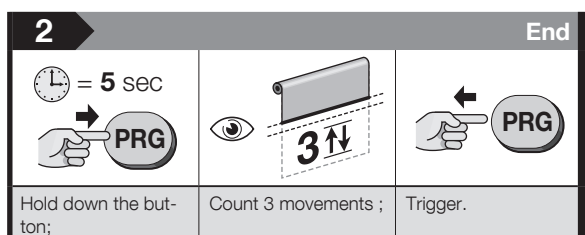
- Before starting any programming procedure, it is advisable to bring the awning to approximately halfway or, in any case, far from the High and Low limit switches.
- All programming procedures must be carried out with a single channel selected on the transmitter.
- If the transmitter chosen for programming commands **multiple groups of screen motors**, before sending a command required by the procedure, it is necessary to select the "group" to which the motor involved in the memorization belongs.
- **[*]** If the motor performs **2 movements** when the power supply is switched on, this means: at least one transmitter already memorised and no programmed limit switch; or, if it performs **1 movement**, this means: no memorised transmitter.
- While performing a procedure, at any time it is possible to cancel the same procedure by pressing and releasing the **ESC** button (on the back of the transmitter).
- When the High and Low limit switches are not programmed, the awning can only be controlled with the "dead man" function, i.e. by holding down the control button until the awning reaches the desired position. The operation is stopped by the user releasing the button at any time.
- When the High and Low limit switches are programmed, to control the awning simply press the control button. This press starts the manoeuvre which will then be stopped automatically by the system when the awning reaches the programmed position.
- To perform all procedures you must use a transmitter memorized in "Mode I" (for example, the one memorized with procedures A.1 or B.1).

B B.1 - Memorizing the **FIRST TRANSMITTER** (in "Mode I")



NOTES AND WARNINGS

- This procedure must be used **only to memorize the FIRST TRANSMITTER**. **If the motor does not perform it, it means that one or more transmitters are already memorized**; therefore, to memorize others, use the procedures described in section A.2 (motor configured as BIDIRECTIONAL) or B.2 (motor configured as MONODIRECTIONAL).
- If all the transmitters stored in the engine are deleted, you must use this procedure to store the first transmitter again.
- If there are multiple motors in the application, repeat the procedure for each motor present.
- After memorizing the first transmitter, the Up and Down direction of the awning will not yet be associated with the respective ▲ and ▼ buttons on the transmitter. The pairing will occur automatically, at the same time as the adjustment of the upper ("0") and lower ("1") limit switches (see procedure C.1); furthermore, in the period in which the limit switches have not yet been adjusted, the awning will move exclusively with the "man present".
- If there are several powered motors within the range of the transmitter to be memorized, to memorize the first transmitter in one of these **it is not necessary to turn off (switch to OFF) all the other motors**; simply proceed as follows:



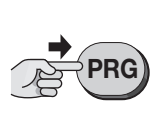
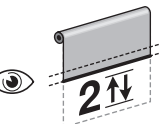
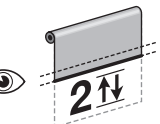
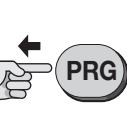
B B.2 - Storing a THIRD SENDER (second, third, etc.) MONO

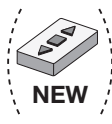
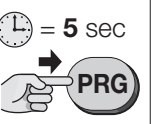
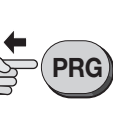
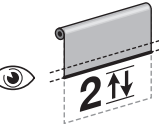
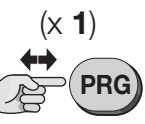
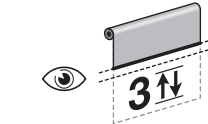
NOTES AND WARNINGS

- The motor configured for operation in ONE-WAY mode can memorize up to 30 transmitters.
- To perform the procedure B.2.1 you need to have a **new transmitter to memorize** and an **old transmitter already memorized**. The two transmitters must have the "PRG" and "ESC" buttons (like, for example, the models of the "DOMIP" and "DOMIW" series).
- To carry out the procedure B.2.2 you need to have a **new transmitter to memorize**, chosen from the models available in the Nice product catalogue and an **old transmitter already memorised**.

B.2.1 - To memorise the buttons of the transmitter in 'Mode I' (or 'Standard mode').

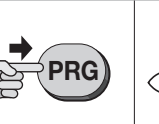
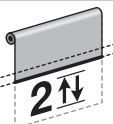
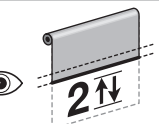
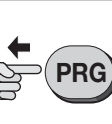
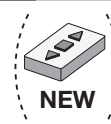
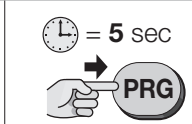
- Procedure B.2.1 memorizes all the keys of the new transmitter, in "Mode I", reproducing the same configuration as the **old transmitter** (for information on "Mode I" read paragraph 3.6.1).

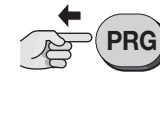
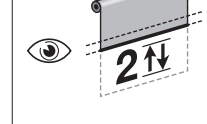
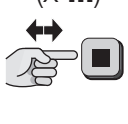
1	→ 2					
						
On the OLD transmitter: Press and hold the button ;		wait ...	count 2 movements ;	wait again ...	count 2 more movements ;	release the button.

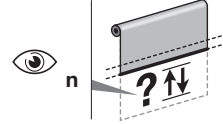
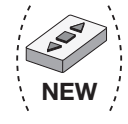
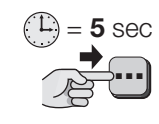
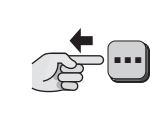
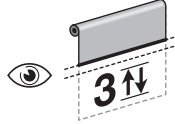
2	3				End	
						
On the NEW transmitter: Press and hold the button ;		Release it after 5 seconds ;	count two movements.	On the OLD transmitter: press and release the button (1 time);		count 3 movements (= transmitter memorised) . When it performs 6 movements (= memory locked or full, therefore transmitter not memorised).

B.2.2 - To memorise the buttons of the transmitter in 'Mode II' (or 'Personal Mode').

- Procedure B.2.2 memorises a single button of the new transmitter, in Mode II; i.e. it assigns the button (selected by the installer) to one of the commands (selected by the installer) available in the motor's 'Command List' (for more information on 'Mode II', see section 3.6.1).
- During the execution of procedure B.2.2 it is possible to memorize a single key. To memorize an additional key repeat the procedures from the beginning.

1	2					next →	
							
On the OLD transmitter: press and hold button; wait ...		count 2 movements ;	wait again ...	count 2 more movements ;	release the button.	On the NEW transmitter: Press and hold the button ;	

→ 2	3					next →	
		Select the desired option and programme it. as follows →				4 OPTIONS : 1 Press = Open > Stop > Close > Stop > ... 2 Press = Open 3 Press = Close 4 Press = Stop	
Release it after 5 seconds ;		count two movements.			On the OLD transmitter: Press and release the button as many times as indicated in the selected option;		

→ 3	4					End
						
after about 7 seconds the motor performs a number of movements equal to the number of pulses entered.		On the NEW transmitter: Select the button you want to save; hold it down;		Release it after 5 seconds ;	count 3 movements (= transmitter memorised) . When it performs 6 movements (= memory locked or full, therefore transmitter not memorised).	

B B.3 - TOTAL or PARTIAL memory deletion MONO

NOTES AND WARNINGS

- To perform the following deletion procedures, the transmitter must be stored in "Mode I".
- To change the motor configuration (from BIDIRECTIONAL to MONODIRECTIONAL) it will be necessary, after having carried out the "TOTAL memory deletion" procedure, to switch the motor off and on again.

B.3.1 - Procedure performed with a memorized transmitter

<div style="background-color: #cccccc; text-align: center; padding: 2px;">1</div> <div style="text-align: center;"> </div> <div style="text-align: center;"> </div> <div style="font-size: small;">Press and release the button (1 time) ;</div> <div style="font-size: small;">count two movements.</div>	<div style="background-color: #cccccc; text-align: center; padding: 2px;">2</div> <div style="text-align: center;"> </div> <div style="text-align: center;"> </div> <div style="font-size: small;">Press and release the button (1 time) ;</div> <div style="font-size: small;">count two movements.</div>	<div style="background-color: #cccccc; text-align: center; padding: 2px;">3</div> <div style="text-align: center;"> </div> <div style="text-align: center;"> </div> <div style="font-size: small;">Press and release the button (1 time) ;</div> <div style="font-size: small;">count 3 movements.</div>
→ 4		
<div style="background-color: #cccccc; text-align: center; padding: 2px;">4</div> <div style="text-align: center;"> </div> <div style="text-align: center;"> </div> <div style="font-size: small;">Press and release the button (1 time) ;</div> <div style="font-size: small;">count 4 movements.</div>	<div style="background-color: #cccccc; text-align: center; padding: 2px;">5 ...</div> <div style="font-size: x-small;">Choose the desired option below and execute it:</div> <ul style="list-style-type: none"> - Option A - to delete ALL motor memories. - Option B - to delete ALL transmitters memorised in the motor. - Option C - to delete ONLY ONE transmitter stored in the motor. • option D - to delete ALL the dimensions stored in the motor ("0", "1", "H", etc.). Attention! - This deletion must be performed only when you want to program the dimensions again, but using a procedure different from the one used previously. 	
<div style="background-color: #cccccc; text-align: center; padding: 2px;">5</div> <div style="text-align: center;"> </div> <div style="text-align: center;"> </div> <div style="font-size: small;">Press and release the button (1 time) ;</div> <div style="font-size: small;">count five movements.</div>	<div style="background-color: #cccccc; text-align: center; padding: 2px;">5</div> <div style="text-align: center;"> </div> <div style="font-size: small;">Hold down the button;</div> <div style="text-align: center;"> </div> <div style="font-size: small;">Release it after 5 seconds;</div> <div style="text-align: center;"> </div> <div style="font-size: small;">count five movements.</div>	
<div style="background-color: #cccccc; text-align: center; padding: 2px;">5</div> <div style="text-align: center;"> </div> <div style="font-size: small;">Hold down the button;</div> <div style="text-align: center;"> </div> <div style="font-size: small;">Release it after 5 seconds;</div> <div style="text-align: center;"> </div> <div style="font-size: small;">count 3 movements.</div>	<div style="background-color: #cccccc; text-align: center; padding: 2px;">6</div> <div style="text-align: center;"> </div> <div style="font-size: small;">On the transmitter to be deleted: Press and hold any button or the button stored in mode 2 ;</div> <div style="text-align: center;"> </div> <div style="font-size: small;">count five movements.</div>	
<div style="background-color: #cccccc; text-align: center; padding: 2px;">5</div> <div style="text-align: center;"> </div> <div style="font-size: small;">Hold down both buttons at the same time;</div> <div style="text-align: center;"> </div> <div style="font-size: small;">release them after 5 seconds;</div> <div style="text-align: center;"> </div> <div style="font-size: small;">count five movements.</div>		

B.3.2 - Procedure with a non-saved transmitter.

NOTES AND WARNINGS

- To perform the following procedures you must use a transmitter with a PRG button.

B.3.2.A - Procedure to be carried out with an unsaved transmitter, using the key on the motor head.

<div style="background-color: #cccccc; text-align: center; padding: 2px;">1</div> <div style="text-align: center;"> </div> <div style="font-size: small;">On the motor head: Press and hold the button ;</div>	<div style="text-align: center;"> </div> <div style="font-size: small;">release it after 7 seconds;</div>	<div style="text-align: center;"> </div> <div style="font-size: small;">the red LED starts to flash (it goes out when the procedure is complete).</div>
<div style="background-color: #cccccc; text-align: center; padding: 2px;">2 ...</div> <div style="font-size: x-small;">From the start of the flashes you have 1 minute to complete the procedure.</div>		
<div style="font-size: x-small;">Continue the procedure by carrying out procedure B.3.1 in full.</div>		

B B.4 - Locking and unlocking the engine memory MONO

NOTES AND WARNINGS

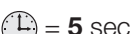
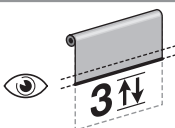
- Activating the memory lock allows you to prevent the accidental and random storage of other unforeseen or unauthorized transmitters.

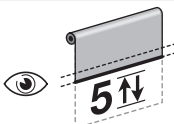
1	2		3		→ 4
Press and release the button (1 time) ;	count two movements.	Press and release the button (1 time) ;	count two movements.	Press and release the button (1 time) ;	count 3 movements.

4	5	...
Hold down both buttons at the same time;	release them after 5 seconds;	count 4 movements.

Choose the desired option below and execute it:

- **option A** - Lock motor memory.
- **Option B** - to unlock the motor memory.

option – A	<div>5</div> <div></div> <div>End</div>		
	<div> </div>		
	Hold down the button;	Release it after 5 seconds ;	count 3 movements.

option – B		
5		End
 = 5 sec 		
Hold down the button;	Release it after 5 seconds ;	count five movements.

COMMON valid for both motors configured as SINGLE-DIRECTIONNEL and BIDIRECTIONNEL communication mode.

achievable exclusively with a Nice transmitter equipped with the ▲, ■, ▼, PRG, ESC buttons (e.g. "DOMIP", "DOMIW")

GENERAL WARNINGS WHEN CARRYING OUT PROCEDURES

- Before starting any programming procedure, it is advisable to bring the awning to approximately halfway or, in any case, far from the High and Low limit switches.
- All programming procedures must be carried out with a single channel selected on the transmitter.
- If the transmitter chosen for programming commands **multiple groups of screen motors**, before sending a command required by the procedure, it is necessary to select the "group" to which the motor involved in the memorization belongs.
- When the motor is powered, if it performs **2 movements** it means: at least one transmitter already memorized and no limit switches programmed; or, if it performs **1 movement** it means: no transmitter memorized.
- While performing a procedure, at any time it is possible to cancel the same procedure by pressing and releasing the **ESC** button (on the back of the transmitter).
- When the High and Low limit switches are not programmed, the awning can only be controlled with the "dead man" function, i.e. by holding down the control button until the awning reaches the desired position. The operation is stopped by the user releasing the button at any time.
- When the High and Low limit switches are programmed, to control the awning simply press the control button. This press starts the manoeuvre which will then be stopped automatically by the system when the awning reaches the programmed position.
- To perform all procedures it is necessary to use a transmitter memorized in "Mode I" (for example, the one memorized with the procedure A.1 motor configured as BIDIRECTIONAL or B.1 motor configured as MONODIDIRECTIONAL).
- To change the motor configuration (from ONE-WAY to TWO-WAY and vice versa) it is necessary to carry out the "TOTAL memory deletion" procedure (A.3 motor configured as TWO-WAY or B.3 motor configured as TWO-WAY) and then switch the motor off and on again.

C

C.1 - MANUAL programming of the UP ("0") and DOWN ("1") limit switches



NOTES AND WARNINGS

- The use of this procedure is mandatory only for awnings not equipped with a mechanical lock in the upper limit switch.**
- If the limit switches were previously programmed with the "semi-automatic (C.2)" programming, this procedure can be performed.
- After programming the limit switches, the awning can be controlled by simply pressing the buttons on the control device. The awning will move within the limits set with procedures C.1.1 and C.1.2.

C.1.1 - To programme the UP limit switch ('0').

1	2	3	next →	
<div>(x 1)</div> <div></div> <div>PRG</div> <div>Press and re-release the button (1 time) ;</div>	<div></div> <div>count two move-ments.</div>	<div></div> <div></div> <div>Hold down the but-ton;</div>	<div></div> <div>Release it after 5 seconds;</div>	<div></div> <div>count two move-ments.</div>
		<div>To command a maneuver of CLIMB → </div> <div>(▼)</div> <div>Hold down the button and wait...</div>		
→ 3	4	5	End	
<div></div> <div>"0"</div> <div>... release the button as soon as the awning reaches the desired quotient "0" (UP limit switch).</div>	<div>Finely ad-just the limit switch "0" →</div> <div></div> <div>Press the keys until you get the desired amount.</div>	<div></div> <div></div> <div>Hold down the button;</div>	<div></div> <div>Release it after 5 seconds;</div>	<div></div> <div>count 3 move-ments.</div>

C.1.2 - To programme the DOWN limit switch ('1').

1	2	3	next →
<p>(x 1) PRG</p>	<p>2</p>	<p>L = 5 sec</p>	<p>5</p>
Press and release the button (1 time);	count two movements.	Hold down the button;	Release it after 5 seconds;
		count two movements.	count two movements.
			Hold down the button and wait...

→ 3	4	5	End
<p>5</p>	<p>L = 5 sec</p>	<p>5</p>	<p>3</p>
... release the button as soon as the awning reaches the desired quotient "1" (DOWN limit switch).	Press the keys until you get the desired amount.	Hold down the button;	Release it after 5 seconds;
			count 3 movements.

C.2 - Programming an INTERMEDIATE POSITIONING of the awning (dimension "H")



NOTES AND WARNINGS

- This procedure stores an intermediate position (called position "H") with respect to the High ("0") and Low ("1") positions of the limit switches. During use of the automation, after having commanded the **intermediate positioning**, the system will automatically stop the awning at the programmed "H" position.
- It is possible to store up to 30 "H" positions if the motor is configured to operate in ONE-WAY mode or up to 6 "H" positions if the motor is configured to operate in TWO-WAY mode, positioned wherever desired, as long as they are within the space delimited by the two limit switches. The positions can be programmed only if the limit switches have already been programmed. Repeat this procedure for each position you wish to store.
- The programming of the first "H" quota must be combined with the pair of ▲+▼ keys, present **on the transmitter used for the procedure**. Instead, the programming of further "H" quotas requires the combination of each one with a desired key, present **on another non-memorized transmitter**.
- To modify an existing "H" dimension, position the awning at the desired height and carry out this procedure; at **step 06**, however, press the button associated with the existing "H" dimension (the one you are modifying).

1	2	3	→ 4
<p>"H"</p>	<p>(x 1) PRG</p>	<p>2</p>	<p>L = 5 sec</p>
Position the awning at the desired "H" height.	Press and release the button (1 time);	count two movements.	Hold down both buttons at the same time;
			release them after 5 seconds;
			count two movements.

4	5	6	...
<p>L = 5 sec</p>	<p>5</p>	<p>5</p>	<p>3</p>
Finely adjust the "H" dimension →	Press the buttons until you get the desired amount.	Hold down the button;	Release it after 5 seconds;
			count 3 movements.

6	End
<p>L = 5 sec</p>	<p>5</p>
Hold down both buttons at the same time;	release them after 5 seconds;
	count 4 movements.

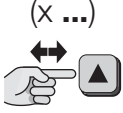
6	End
<p>L = 5 sec</p>	<p>5</p>
On another transmitter that is not memorized: hold down a desired button;	Release it after 5 seconds;
	count 4 movements.



NOTES AND WARNINGS

- This procedure allows you to activate, adjust or deactivate the safety system that: **a) detects the presence of an obstacle** along the awning's path; **b) loosens the traction of the motor on the awning** when the awning is stopped at the High "0" limit switch (only if the box or other mechanical stop is present in this limit switch).
- The procedure regulates **the limit of the pulling force** that the motor can exert on the awning, in an attempt to free it, when it is suddenly slowed down by an obstacle or friction. At the same time, if **the High "0" limit switch is constituted by the box or another mechanical stop**, the system uses the same value set with this procedure, to attenuate the impact of the awning against the box and to loosen the traction exerted by the motor on the canvas, when the awning is stopped in the High "0" limit switch.
- The following options are available:
 - **MINIMUM sensitivity(*)** – this setting is active only when the awning is rising. The motor delivers a lot of force and is often able to release the awning, even when there is a load variation due to minimal friction or obstacles of limited weight.
 - **ULTRA sensitivity(*)** – this setting is active during the raising and lowering of the awning.
 - **ULTRA sensitivity(*) with brief reversal** – this setting is active during the raising and lowering of the awning. In particular, if an obstacle is detected during the lowering, the motor briefly reverses the manoeuvre to free it.
 - **ULTRA sensitivity(*) with total inversion** – this setting is active during the ascent and descent of the awning. In particular, if an obstacle is detected during the ascent, the motor reverses the maneuver and stops the awning at the Low limit switch "1".
 - **sensitivity OFF** – this setting deactivates the security system (factory setting).

1		2		3		→ 4
Press and release the button (1 time) ;		Press and release the button (1 time) ;		Hold down both buttons at the same time;		release them after 5 seconds;
count two movements.		count two movements.				count two movements.

4	next →	
Select the desired option and programme it as follows →	 <p>5 OPTIONS :</p> <p>1 press = set MINIMUM sensitivity</p> <p>2 presses = set ULTRA sensitivity</p> <p>3 presses = set ULTRA sensitivity with short inversion</p> <p>4 presses = set ULTRA sensitivity with inversion</p> <p>5 presses = set sensitivity OFF</p>	
	Press and release the button as many times as indicated in the selected option;	

→ 4	5	End		
after about 7 seconds the motor performs a number of movements equal to the number of pulses entered.	Hold down the button;	Release it after 5 seconds;	count 3 movements.	

(*) – **IMPORTANT** – After programming the option, or after a complete battery discharge, **it is mandatory to immediately perform 2 complete cycles of maneuvers** (up and down = 1 cycle) to activate the function. During these maneuvers, the motor maps the instantaneous load present at each point of the awning's travel and automatically sets the maximum sensitivity obtainable with the characteristics of the awning installed.

GENERAL WARNINGS FOR PROCEDURES 'C.4', 'C.5', 'C.6'.

The functions 'Blind travel speed (procedure C.4)', 'Blind speed acceleration/deceleration (procedure C.5)' and 'Total manoeuvre duration (procedure C.6)' make it possible to fully customise the blind movement in all aspects, creating alignments and other effects that are particularly useful when several blinds are installed that are close to each other, have different dimensions, have rollers with different diameters or to make the blind movement quieter.

- The functions "Total duration of the manoeuvre (procedure C.6)" and "Cruising speed of the awning (procedure C.4)" are interdependent: **the last function set determines the actual cruising speed of the awning.**
- After setting a desired **maneuvering time** (procedure C.6), the system automatically adjusts the **cruising speed** (also taking into account the set **acceleration/deceleration** value) so that the maneuver lasts exactly for the set time.

If the **acceleration/deceleration** of the speed (procedure C.5), or the **limit switches** (procedure C.1) are subsequently modified, the **maneuvering time** remains unchanged and the system adjusts the **cruising speed** of the awning accordingly.

- During the setting of a desired **maneuvering time** (procedure C.6) if the resulting **cruising speed** is outside the minimum and maximum permitted values (reported in the chapter "Technical characteristics"), the engine will signal the error with 6 movements, at the end of the procedures (C.1 / C.5), and will automatically bring the **cruising speed** back to the nominal value.
- After having set a **cruising speed using procedure C.6**, any modification of the **limit switches** (procedure C.1) or of the **acceleration/deceleration** of the speed (procedure C.5) could cause the **cruising speed** to be outside the minimum and maximum permitted values (reported in the chapter "Technical characteristics"). In these cases, the motor will signal the error with 6 movements, at the end of the procedures (C.1 / C.5), and will automatically return the **cruising speed** to the nominal value.

C C.4 - Adjusting the Cruising Speed of the awning



NOTES AND WARNINGS

- For the value of the five available options (V1=minimum speed, V2, V3=rated speed, V4, V5=maximum speed), please refer to the 'Technical data' chapter.
- To evaluate whether the option chosen for the awning cruising speed is compatible with the characteristics of your awning (weight, roller dimensions, required torque), consult the "Technical characteristics" chapter.
- The set option 'V3=Nominal speed' is the factory setting.

1		2		3		→ 4
Press and release the button (1 time) ;		count two movements.		Hold down the button;		count 3 movements.

4		next →
Select the desired option and programme it as follows → ↵	<div><div><div>(X ...)</div><div></div></div><div><div>5 OPTIONS :</div><div><div>1 <u>press</u> = sets the V1 MINIMUM speed.</div><div>2 <u>presses</u> = sets the V2.</div><div>3 <u>presses</u> = sets the V3 speed NOMINAL.</div><div>4 <u>presses</u> = sets V4.</div><div>5 <u>presses</u> = sets the V5 speed MAXIMUM.</div></div></div></div>	
Press and release the button as many times as indicated in the selected option;		

→ 4	5	End	
after about 7 seconds the motor performs a number of movements equal to the number of pulses entered.	Hold down the button;	Release it after 5 seconds ;	count 3 movements.

C C.5 - Setting the acceleration (at the beginning of the curtain movement) and the deceleration (towards the end of the movement)



NOTES AND WARNINGS

- The 'acceleration/deceleration' value is expressed in revolutions of the roller. This value represents the number of revolutions that the roller must accelerate from the start of the manoeuvre until the specified cruising speed is reached. Similarly, this value also represents the number of revolutions that the roller must perform when decelerating from a certain point on the path to the end of the manoeuvre at the stop.
- The option defined as "short acceleration/deceleration" is the one set in the factory.

1		2		3			→ 4
Press and release the button (1 time) ;		count two movements.		Hold down the button;		Release it after 5 seconds;	
						count 3 movements.	

4			5		next →
Hold down the button;			Release it after 5 seconds;		count 3 movements.
			Select the desired option and programme it as follows →		
					5 OPTIONS : Press 1 time = rule no acceleration/deceleration = 0 rpm. Press 2 times = short acceleration/deceleration rule = 0.7 rpm. 3 Press = Rule acceleration/accelerated deceleration = 1.5 rpm. 4 Press = Setting long acceleration/deceleration = 2 rpm. 5 presses = sets maximum acceleration/deceleration = 3 revs
			Press and release the button as many times as indicated in the selected option;		

→ 5		6			End
after about 7 seconds the motor performs a number of movements equal to the number of pulses entered.		Hold down the button;			Release it after 5 seconds;
					count 3 movements.

C

C.6 - Adjustment of the total duration of the maneuver



NOTES AND WARNINGS

- This adjustment can only be made if the limit switches ("0" and "1") have already been programmed.
- The value set with this procedure, together with the value set for "acceleration/deceleration" (procedure C.5) will result in the cruising speed. To evaluate whether the resulting cruising speed is compatible with the characteristics of the awning (weight, roller dimensions, required torque, etc.), consult the chapter "Technical characteristics".
- The product leaves the factory with the function deactivated.

1		2		3			→ 4
Press and re-lease the button (1 time) ;		count two movements.		Hold down the button;			count 3 movements.
		Press and re-lease the button (1 time) ;		Release it after 5 seconds ;			

4		next →
<p>Select the desired option and programme it as follows →</p>	<div><div><div>(X ...)</div><div></div></div><div><p>5 OPTIONS :</p><p>1 Press = setting 7 seconds</p><p>2 Press = setting 15 seconds</p><p>3 presses = set 20 seconds</p><p>4 Press = setting 30 seconds</p><p>Press 5 times = Deactivate the function and set the nominal speed.</p></div></div>	
	<p>Press and release the button as many times as indicated in the selected option;</p>	

→ 4	5	End	
			
after about 7 seconds the motor performs a number of movements equal to the number of pulses entered.	Hold down the button;	Release it after 5 seconds ;	
		count 3 movements.	

5 WARNINGS FOR DAILY USE OF THE AUTOMATION

5.1 - Cycle of maximum continuous use

The motors in the 'Era' range are generally designed for residential use and therefore for intermittent use. They guarantee a maximum continuous operation cycle of 4 minutes. In the event of overheating (e.g. due to prolonged continuous operation), a safety 'thermal protector' automatically intervenes by interrupting the power supply and restoring it when the temperature returns to normal.

5.2 - Control of opening, closing, stopping the blind or changing the speed of movement using a transmitter equipped with a sliding surface.

The following table summarises the buttons you need to press on the transmitter to send the most important commands to open/close the blind. These functions are described in more detail in the following sections.

Key to press to send command	Engine action
▲ (UP)	Positioning in Height relative to limit switch UP
▼ (DOWN)	Positioning in height relative to limit switch LOW
■ (STOP)	Stops the movement
i	Returns position information
▲ (UP) + ▼ (DOWN)	Positioning at partial dimension H (if the 'H' dimension was not programmed during installation, it will assume the factory default value of the midpoint between the UP and DOWN limit switches).
▲ (UP) + ■ (STOP)	Battery Status Diagnostics
■ (STOP) + ▼ (DOWN)	Positioning at 25% of travel before reaching travel limit HIGH (curtain rolled up 25%)
SLIDER (QUICK TOUCH)	Change of position
SLIDER + (3 sec)	Increases motor speed
SLIDER ○ (3 sec)	Normal engine speed
SLIDER - (3 sec.)	Reduces the speed of the motor.

5.3 - Diagnosis of the battery charge and battery status.

The motor is equipped with a rechargeable battery. To charge it, connect a device (power bank, PC, tablet...) to the USB socket on the head of the motor.

To check the charge status of the battery, press the ▲ and ■ buttons on the transmitter at the same time or press the button on the head when the motor is switched off.

GREEN flashes	Battery is charged
BERNBROWN flashing	Battery is partially charged
Flashing red	Battery low

5.3.1 - Control height 'H'

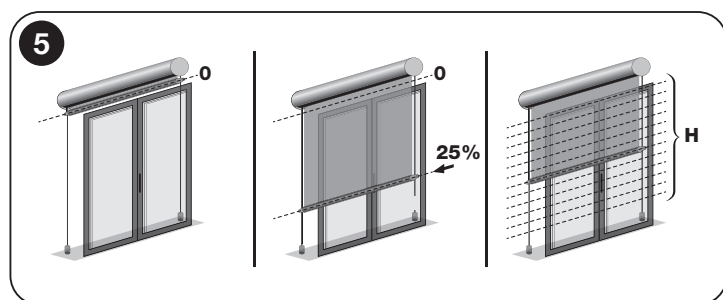
In general, to control a partial opening/closing of the awning (or roller shutter), press the button that was associated with the partial position during its programming (for more information read procedure **C.2**). If the transmitter has only three buttons and only one position "H" is stored, press the ▲ and ▼ buttons simultaneously to recall this position. If the "H" position was not programmed during installation, it will assume the factory value equal to the intermediate point between the UP limit switch and the LOW limit switch.

5.3.2 - Quota command '25%'.

An additional partial quota (**Fig. 5**) is available and is set to the following value at the factory:

- position '25%' = 25% of the distance until the limit switch **0-ALTO** (roller curtain 25%) is reached.

To recall the "25%" quota, press the ▼+ ■ (DOWN + STOP) keys.



5.4 - Possibility for the user to change the position of the blind using a transmitter with a 'sliding' surface.

It is particularly important to be able to choose the stop position of the automated system according to current needs (sun, rain, etc.).

If the automated system is controlled by a Nice transmitter with a sliding surface (e.g. P1V, etc.), the stop position of the automated system can be varied as follows: The upper section of the slider varies the position of the automated system upwards (up to a maximum of the upper limit switch position); the lower section of the slider varies the position of the automated system downwards (up to a maximum of the lower limit switch position).

5.5 - Diagnostic and alarm function

On the head of the motor there is a LED that signals the alarm states (with **red light**) and the installation states (with **green light**). In the event that an alarm state and an installation state need to be signaled at the same time, the system always gives priority to the alarm state. To understand the meaning of the light signals, read **Table A**.

TABLE A - LED signals (on the motor head)

GREEN LED	Meaning
0 flashes	= At least 1 memorised transmitter and 2 programmed limit switches.
1 flashes	= At least 1 memorised transmitter and 1 programmed limit switch.
2 flashes	= At least 1 memorised transmitter and no programmed limit switch.
3 flashes	= No transmitter stored (the status of the limit switches is not indicated by the LED).
RED LED	Meaning
0 flashes	= no error.
lights up continuously	= serious fault - 1 (motor damaged: please contact technical customer service).
1 flashes	= thermal protection in place.
2 flashes	= last manoeuvre was automatically aborted due to intervention of the 'obstacle detection' function.
3 flashes	= load too high compared to the motor label values.
Flash 4 times	= discharged battery.
5 flashes	= serious error - 3.
6 Flashing	= serious fault - 4 (temperature of the control circuit exceeds the limit value).
7 Flashing	= serious fault - 5 (malfunction of the brakes).
8 Flashing	= serious fault - 6 (battery or charger malfunction).
9 Flashing	= serious fault - 7.
10 Flashing	= serious fault - 8.
11 Flashing	= serious fault - 9.

The engine replicates the installation status signal by performing some movements when a maneuver is commanded. To understand the meaning of these movements, read **Table B**.

TABLE B - Signalling with movements.

NO. MOVEMENTS	Meaning
0 movements	= At least 1 memorised transmitter and 2 programmed limit switches.
1 movement	= No stored transmitter (the status of the limit switches is not signalled by movements).
2 movements	= At least 1 stored transmitter and at least 1 limit switch to be programmed.
5 movements	= serious error in the motor memory.

What to do if ... (troubleshooting guide)

To identify the type of problem more precisely, generally refer to **Table A** (and **Table B**) in section 5.5.

❑ **Sending a climb command, the motor does not start :**

This can happen if the awning is close to the High limit switch ("0"). In this case, you must first lower the awning for a short distance and then give the up command again.

❑ **The system operates in emergency mode with 'Man present' :**

The system operates in emergency mode with 'Man present': | - Check whether the motor has suffered a severe electrical or mechanical shock.

- Check that all parts of the motor are intact.
- Carry out the undo procedure (procedure **A.3** or **B.3**) and reset the limit switches.

Disposal of the product

As with the installation procedures, disassembly work at the end of this product's service life should be carried out by qualified personnel.

This product consists of different types of materials: some can be recycled, others must be disposed of. Find out about the recycling or disposal systems required by law in your country for this product category.

Warning! – Some parts of the product may contain polluting or dangerous substances which, if dispersed into the environment, could cause harmful effects on the environment itself and on human health.

As shown by the symbol on the side, it is forbidden to dispose of this product with household waste. Therefore, please carry out a 'separate collection' for disposal in accordance with the regulations in force in your region or return the product to the seller when purchasing a new, equivalent product.



Attention! – Local regulations may provide for heavy fines in the event of illegal disposal of this product.

The product's packaging material must be disposed of in accordance with local regulations.

Technical specifications

■ **Frequency:** 433.92 MHz ■ **Radiated power:** 0 dBm ■ **Radio coding:** 'BD'.

Please observe the information on the motor rating plate.

Notes: - All technical data indicated refer to an ambient temperature of 20°C (± 5°C). - Nice S.p.A. reserves the right to make any changes to the product that it deems necessary at any time, while maintaining the intended use and functionality.

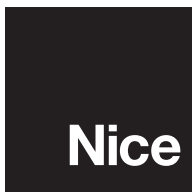
Simplified EU Declaration of Conformity

Nice S.p.A. manufacturer of this equipment declares that it complies with Directive 2014/53/EU (RED).

The instruction manual and the full text of the EU Declaration of Conformity are available at www.niceforyou.com; under 'support' and 'download'.

COMPLIANCE WITH THE FCC RULES (PART 15) AND RSS-210 RULES

This device complies with Industry Canada's licence-exempt RSS-210s, and with Part 15 of the FCC rules of the United States of America. Operation is subject to the following two conditions: (1) this device may not cause interference; (2) this device must accept any interference, including interference that may cause undesired operation of the device. Any changes or modifications made to this device, without the express permission of the manufacturer, may void the user's authority to operate this device.



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