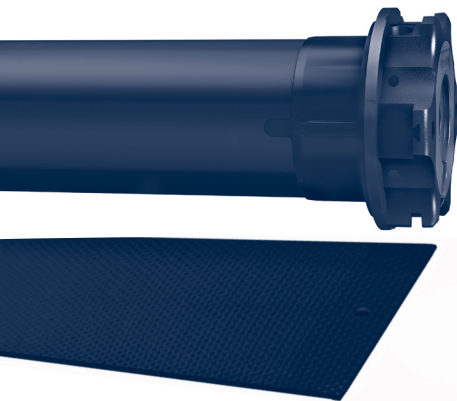


CHERUBINI



DOGE S-RX



MOTORE TUBOLARE SOLARE PER VENEZIANE
CON FINECORSO ELETTRONICO

IT

SOLAR TUBULAR MOTOR FOR VENETIAN BLINDS
WITH ELECTRONIC LIMIT SWITCH

EN

SOLARBETRIEBENER ROHRMOTOR FÜR RAFFSTOREN
MIT ELEKTRONISCHEM ENDANSCHLAG

DE

MOTEUR TUBULAIRE SOLAIRE POUR BRISE SOLEIL ORIENTABLE (BSO)
AVEC FIN DE COURSE ÉLECTRONIQUE

FR

MOTOR SOLAR TUBULAR PARA VENECIANAS
CON FIN DE CARRERA ELECTRÓNICO

ES



**ISTRUZIONI - INSTRUCTIONS - EINSTELLANLEITUNGEN
INSTRUCTIONS - INSTRUCCIONES**

IT DICHIARAZIONE DI CONFORMITÀ UE

CE CHERUBINI S.p.A. dichiara che il prodotto è conforme alle pertinenti normative di armonizzazione dell'Unione:

Direttiva 2014/53/UE, Direttiva 2011/65/UE.

Il testo completo della dichiarazione di conformità UE è disponibile facendone richiesta sul sito: www.cherubini.it.

EN EU DECLARATION OF CONFORMITY

CE CHERUBINI S.p.A. declares that the product is in conformity with the relevant Union harmonisation legislation:

Directive 2014/53/EU, Directive 2011/65/EU.

The full text of the EU declaration of conformity is available upon request at the following website: www.cherubini.it.

DE EU-KONFORMITÄTSERKLÄRUNG

CE CHERUBINI S.p.A. erklärt dass das Produkt die einschlägigen Harmonisierungsrechtsvorschriften der Union erfüllt:

Richtlinie 2014/53/EU, Richtlinie 2011/65/EU.

Der vollständige Text der EU-Konformitätserklärung kann unter unserer Web-Seite www.cherubini.it, gefragt werden.

FR DÉCLARATION UE DE CONFORMITÉ

CE CHERUBINI S.p.A. déclare que le produit est conforme à la législation d'harmonisation de l'Union applicable:

Directive 2014/53/UE, Directive 2011/65/UE.

Le texte complet de la déclaration UE de conformité est disponible en faisant requête sur le site internet: www.cherubini.it.

ES DECLARACIÓN UE DE CONFORMIDAD

CE CHERUBINI S.p.A. declara que el producto es conforme con la legislación de armonización pertinente de la Unión:

Directiva 2014/53/UE, Directiva 2011/65/UE.

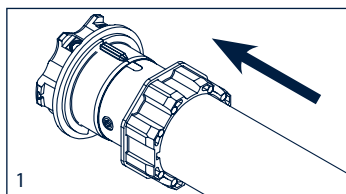
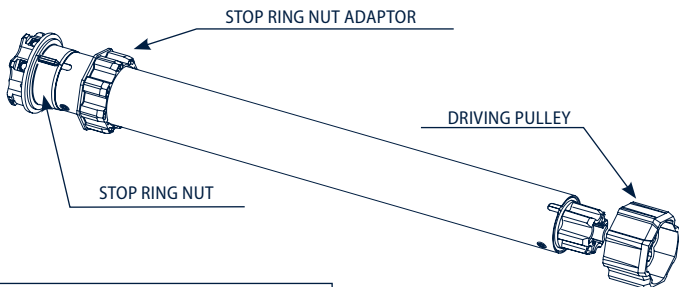
El texto completo de la declaración UE de conformidad puede ser solicitado en: www.cherubini.it.

Table of contents:

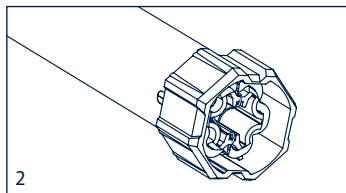
How to prepare the motor	p.	5
PHOTOVOLTAIC PANEL INSTALLATION	p.	6-9
Finding the optimal position in the presence of obstacles	p.	7
Battery pack installation	p.	8
Battery protection function	p.	8
Battery safety warnings	p.	9
Replacing a photovoltaic panel	p.	9
Electrical connections	p.	10
Compatible remote controls.....	p.	11
Key to symbol/ Command sequences example.....	p.	11-12
Function open/close programming remote control.....	p.	13-14
Setting the first remote control	p.	15
Automatic disabling of the first remote control setting function	p.	15
Motor activation	p.	15
Checking the connection status of the photovoltaic panel	p.	16
Battery charge status check	p.	17
Setting of the limit switches	p.	18
High limit switch setting	p.	18
Low limit switch setting.....	p.	18
Deleting the limit switch positions	p.	19
High limit switch deleting.....	p.	19
Low limit switch deleting	p.	19
Total deleting of the limit switches.....	p.	19
Setting a middle position	p.	20
Deleting the middle position	p.	20
Slat opening control	p.	21
Setting the slat opening position	p.	21
Setting of additional remote controls	p.	22
Remote control memory clearing	p.	22
Torque control setting.....	p.	22
Full memory clearing.....	p.	23
Special functions		
Short-term setting of a remote control	p.	24
Compatible anemometers	p.	25
Setting the wind sensor	p.	25

Deleting the sensor	p.	25
Enable / Disable the sun sensor	p.	26
Test mode	p.	26
Operation with sun/wind sensor	p.	27
Activating the Privacy function.....	p.	28
Setting the Privacy position.....	p.	28
Disabling the Privacy position.....	p.	28
Additional middle position	p.	29
Setting the additional middle position.....	p.	29
Changing the additional middle position	p.	30
Deleting the additional middle position	p.	30
Slats opening command management	p.	31
EU Declaration of conformity	p.	2

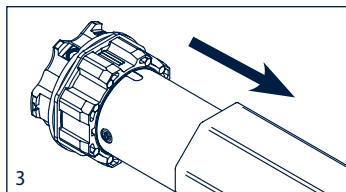
HOW TO PREPARE THE MOTOR



1. Insert the adaptor in the stop ring nut mating the groove with the reference notch and push till they touch.



2. Fix the driving pulley on the motor pin until the stop pin clicks.

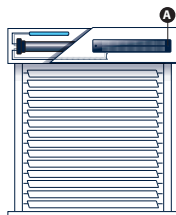


3. Insert the motor fully in the rolling tube.

NB: If you use tubes with a round form, the driving pulley must be fixed to the tube, and the installation is to be paid by the person who installs the system. For other tube sections the fitting is optional, but strongly recommended.

PHOTOVOLTAIC PANEL INSTALLATION

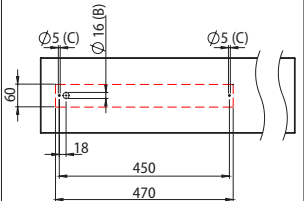
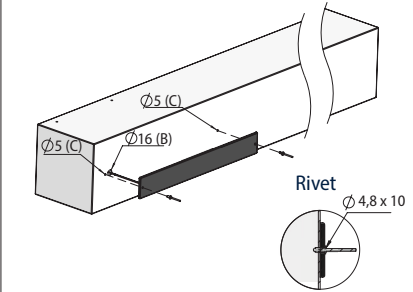
The photovoltaic panel (A) must be positioned in such a way as to optimise the incidence of the sun's rays. Correct positioning is essential to ensure high efficiency of the panel and autonomy of the solar motor. The panel is designed to be compatible with all venetian blind boxes and to ensure a constant flow of charge to the battery.



Two rivets or screws can be used to anchor the panel. The procedure is as follows:

1. First, drill a 16mm diameter hole (B) for the cable and two 5mm diameter holes (C) for anchoring the panel to the front of the box, as shown in the drawing below.
2. Next, feed the photovoltaic panel's power cable into the box through hole B.
3. Finally, fix the photovoltaic panel to the 2 holes C using aluminium rivets ($\varnothing 4.8 \times 10$) or screws with a diameter not exceeding 5 mm.

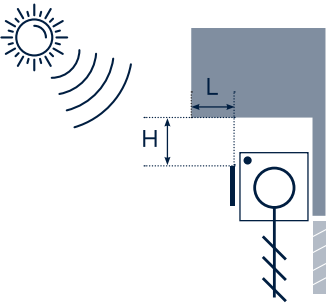
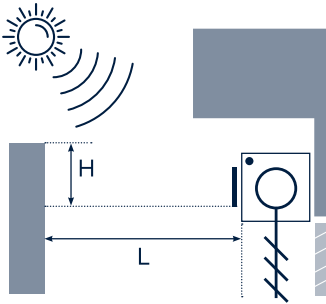
****WARNING**:** It is recommended that you do not use oversized washers which may overlap the cells and cover or damage them. Stretch and secure the cable, avoiding excessive folds.

Drilling diagram	Installation
 <p>Dimensions are in mm.</p>	

IMPORTANT WARNINGS:

- Avoid putting pressure on the photovoltaic cells as they are extremely fragile and can break easily, especially if the screws are overtightened.
- When handling the photovoltaic panel, take care to avoid accidental shocks and falls that could cause the photovoltaic cells to break.
- Avoid placing the photovoltaic panel behind glass or in an area subject to strong shading.
- Make sure the cells are not obstructed and avoid placing anything in front of the cells.
- Prevent snow, leaves, dust, etc. from accumulating on the surface of the photovoltaic panel.
- Keep the surface of the photovoltaic module clean. Use only water and a soft cloth for cleaning.
- Route the power cable so that it does not damage the shutter curtain.
- Clean the seat of hole B of any chips to allow the cable to pass through and to avoid any possible damage to it.

FINDING THE OPTIMAL POSITION IN THE PRESENCE OF OBSTACLES

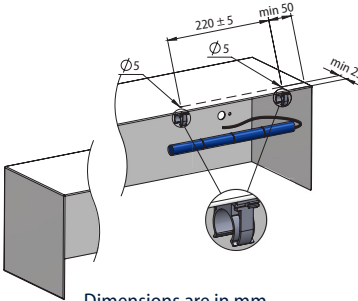
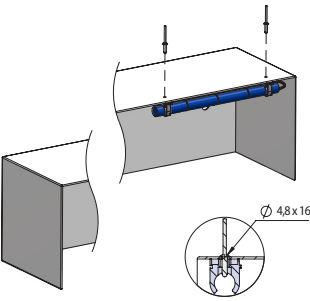
	
<p>Roof overhang or similar coverings $L < 2 \times H$</p>	<p>Obstacle in front of the solar panel $H < L / 2$</p>

In some geographical areas, solar radiation may be significantly reduced at certain times of the year. In such circumstances, the battery can be recharged using a special Cherubini charger sold as an accessory or a compatible model (optional).

BATTERY PACK INSTALLATION

- Ensure that the battery, the fastening and the cables don't touch the venetian blind.
- The power cable must be installed with an upward slope and a drip line.
- Clean all drill holes to ensure that the rivets fit properly.
- The battery and connection cables must not come into direct contact with water.
- Fastening must be carried out using the support clamps supplied in such a way that the roller blind is not compromised.
- Do not use an extension cable to extend the connection cable to/from the motor/battery/solar panel.
- Ensure that the connections are correct and secured.
- Disconnect the battery from the motor before working on the motor or the motor drive.

Mount the battery above the winding roller on the same side as the operator using the aluminium rivets supplied ($\varnothing 4.8 \times 16$ mm).

Drilling Diagram	Installation
 <p>Dimensions are in mm.</p>	

BATTERY PROTECTION FUNCTION

The motor is equipped with a temperature sensor: if a value below 0°C is detected, the motor activates the battery protection function to prevent damage.

The battery protection function interrupts the charging of the battery from any energy source, either from the photovoltaic panel or from the external power supply.

BATTERY SAFETY WARNINGS

Cautions:

- Use the battery only to power the DOGE S-RX tubular motor.
- Keep the battery away from heat sources and water.
- Do not charge or use batteries that have been dropped or damaged.
- Do not connect the positive or negative terminals of the battery with metal objects.
- The battery loses efficiency after prolonged use or frequent discharging.
- Recharge with an AC adapter/charger that matches the specifications in this manual.
- Do not leave the battery on charge for an extended period of time if not in use.
- The battery must be installed inside the casing.
- If possible, recharge the battery before installation using an appropriate charger of the type described above.
- When installing the cables and plug-in connectors, ensure that they do not interfere with the movement of the shutter or screen.
- Do not open or drill the battery.



Dispose of the battery separately from the motor and the photovoltaic panel by placing it in the appropriate containers at the public collection points set up by your local authority.

REPLACING A PHOTOVOLTAIC PANEL

Photovoltaic panels should only be replaced by a professional installer and only with an identical model. The photovoltaic panel must never be disposed of with household waste.

- Disconnect the motor cable from the battery
- Disconnect the photovoltaic panel from the motor cable
- Remove the panel cable from the venetian blind box
- Remove rivets
- Remove the photovoltaic panel
- Install the new photovoltaic panel following the instructions given in the previous section.

ELECTRICAL CONNECTIONS

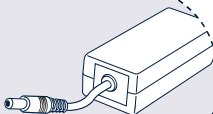
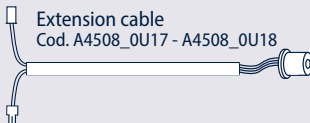
Photovoltaic panel Cod. A4508_0U25



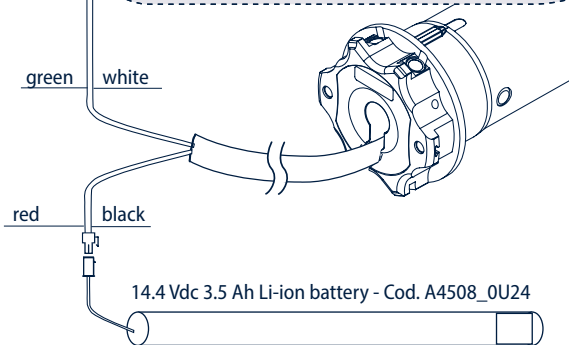
OPTIONAL ON DEMAND

Extension cable

Cod. A4508_0U17 - A4508_0U18



24 Vdc power adapter
Cod. A4508_0U16



14.4 Vdc 3.5 Ah Li-ion battery - Cod. A4508_0U24

A4508_0U18 Extension cable kit for solar motor L. 1500 mm (Pack 10 pcs.)

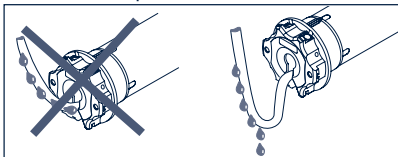
A4508_0U17 Extension cable kit for solar motor L. 300 mm (Pack 10 pcs.)

A4508_0U16 Power adapter kit for solar motor (Pack 5 pcs.)

A4508_0U24 Battery replacement (Solar motor kit)

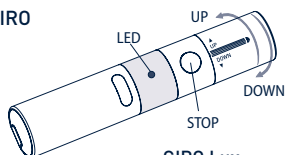
A4508_0U25 Photovoltaic panel replacement (Solar motor kit)

A4508_0U69 DOGE S-RX motor replacement (Solar motor kit)

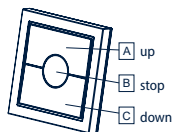


COMPATIBLE REMOTE CONTROLS

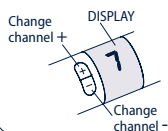
GIRO



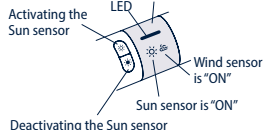
GIRO Wall



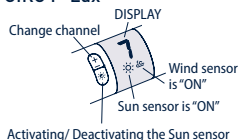
GIRO Plus



GIRO Lux

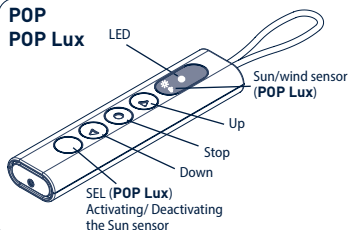


GIRO P-Lux



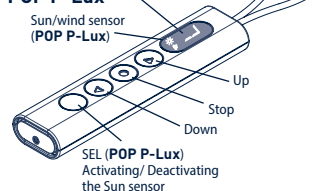
POP

POP Lux

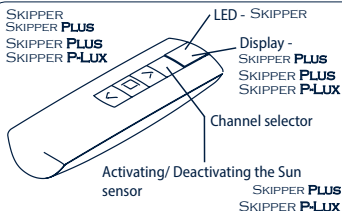


POP Plus

POP P-Lux



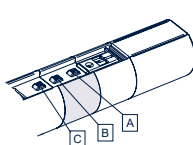
SKIPPER SKIPPER Plus SKIPPER PLUS SKIPPER P-LUX



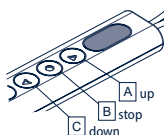
SKIPPER LCD SKIPPER SENSO



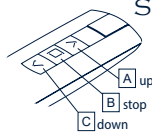
KEY TO SYMBOLS



GIRO



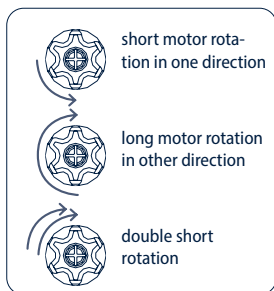
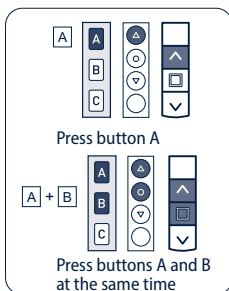
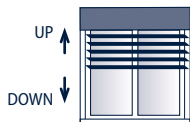
POP



SKIPPER

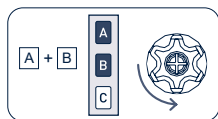


KEY TO SYMBOLS

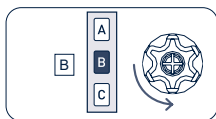


COMMAND SEQUENCES EXAMPLE

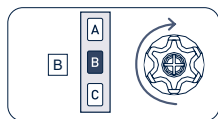
Most of the command sequences have three distinct steps, at the end of which the motor indicates if the step has been concluded positively or not, by turning in different ways. This section is provided to demonstrate the motor indications. The buttons must be pressed as shown in the sequence, without taking more than 4 seconds between one step and the next. If more than 4 seconds are taken, the command is not accepted and the sequence must be repeated. Command sequence example:



Step 1

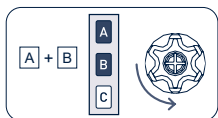


Step 2

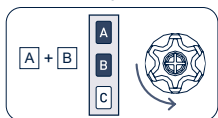


Step 3

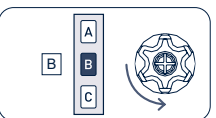
As we can see from the example, when the sequence ends positively, the motor returns to its starting position in one long rotation. In fact, two short rotations in the same direction correspond to one long rotation in the opposite direction. The motor returns to the starting position even when the sequence is not completed; in this case by performing one or two short rotations. Example of a wrong sequence:



Step 1



Step 1



Step 2



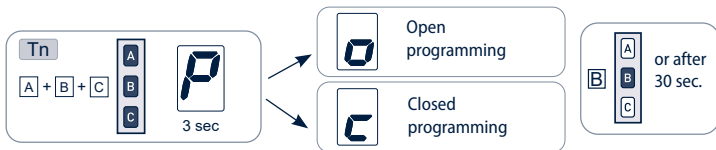
FUNCTION OPEN/CLOSE PROGRAMMING

REMOTE CONTROL SKIPPER PLUS - SKIPPER LUX - SKIPPER P-LUX

REMOTE CONTROL POP PLUS - POP LUX - POP P-LUX

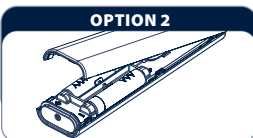
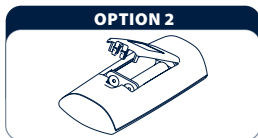
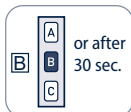
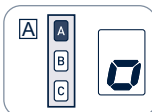
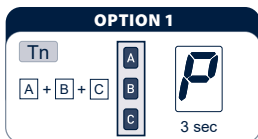
To prevent accidental changes to the programming of the motor during the daily use of the remote control, the possibility of programming is disabled automatically 8 hours after sending the last sequence (A+B or B+C).

CHECKING THE STATUS OF THE FUNCTION



To change the status of the function, see the sequences "ENABLE/DISABLE PROGRAMMING".

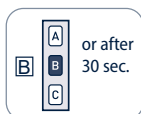
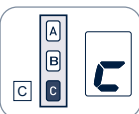
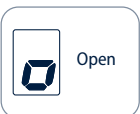
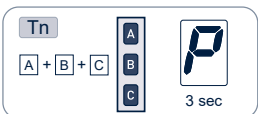
ENABLE PROGRAMMING



Remove one battery and wait minimum 10 seconds before replacing it.

Proceed with programming as the instructions booklet.

DISABLE PROGRAMMING

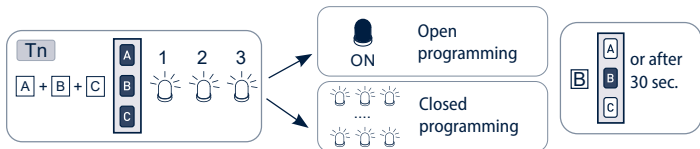


FUNCTION OPEN/CLOSE PROGRAMMING

REMOTE CONTROL SKIPPER - SERIES GIRO - REMOTE CONTROL POP

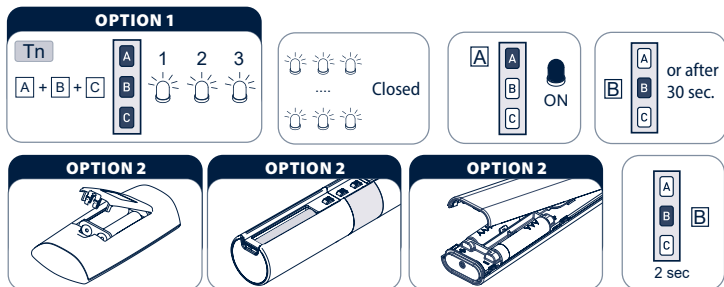
To prevent accidental changes to the programming of the motor during the daily use of the remote control, the possibility of programming is disabled automatically 8 hours after sending the last sequence (A+B or B+C).

CHECKING THE STATUS OF THE FUNCTION



To change the status of the function, see the sequences "ENABLE/DISABLE PROGRAMMING".

ENABLE PROGRAMMING



Remove one battery and wait minimum 10 seconds before replacing it.

Proceed with programming as the instructions booklet.

DISABLE PROGRAMMING

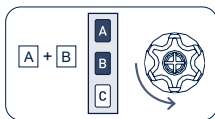


SETTING THE FIRST REMOTE CONTROL

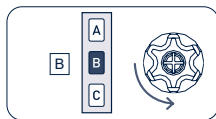
This operation can only be performed when the motor is new, or after a total delete of the memory.

During this step, power up only one motor at time!

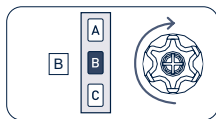
T1: First remote control to be set



T1



T1



T1 (2 sec)

AUTOMATIC DISABLING OF THE FIRST REMOTE CONTROL SETTING FUNCTION

Every time you connect the power supply to the motor, you have 3 hours to store the first remote control. After this time, the ability to store the remote control is disabled. To reset the timer of the function, disconnect both the photovoltaic panel and the battery from the motor for at least 15 seconds, then reconnect them.

MOTOR ACTIVATION

Connect the battery and then the solar panel to the motor cables.

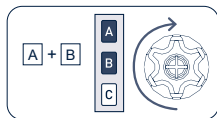
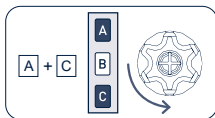
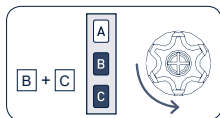
Note: The connectors on all cables are designed to prevent miswiring by using different colours and connection types.

WARNING: Once the connections have been made, the motor is active and ready for use.

PLEASE NOTE: If there are several motors to be installed, connect one motor at a time while keeping the others disconnected.

CHECKING THE CONNECTION STATUS OF THE PHOTOVOLTAIC PANEL

The motor is equipped with a function that indicates the connection status of the photovoltaic panel.

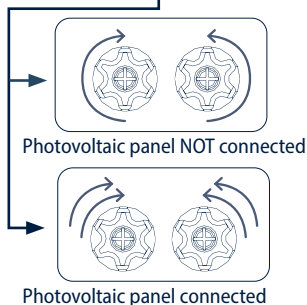


When this procedure is carried out with the remote control, BC-AC-AB (2 sec.)

- the motor reacts with two long movements (one in one direction and one in the opposite direction) if the photovoltaic panel is NOT correctly connected;

- Otherwise, the motor makes four short movements (two in one direction and two in the opposite direction) to indicate that the panel is correctly connected.

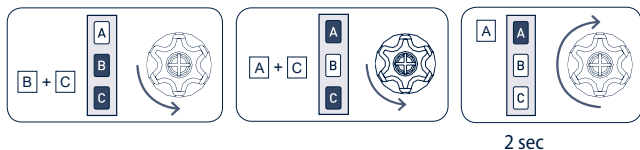
Tn 2 sec



BATTERY CHARGE STATUS CHECK

The motor is equipped with a function to display the remaining battery charge.

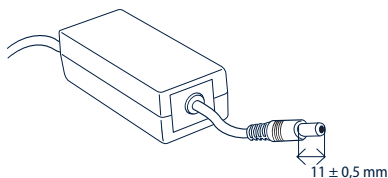
By performing the following procedure with the BC-AC-A remote control (2 s), the motor responds with a series of movements corresponding to different states of charge, as illustrated in the table below.



No. of movements	Meaning
1	low charge level: 0-20%.
2	sufficient: 20-40%
3	good: 40-60%
4	optimum: 60-80%.
5	excellent: 80-100%.

WARNING! If the battery charge is insufficient, the motor slows down considerably and switches to ECO mode, which allows certain operations to be carried out. It is recommended to recharge the battery with a battery charger. The full charging time with the charger is 5 HOURS.

Specifications of the battery charger to be purchased separately as an alternative to the one supplied by Cherubini (24 Vdc, 25 W, 2.1 mm jack).



Outside  Inside 

SETTING OF THE LIMIT SWITCHES

Tubular motors have an electronic limit switch system with an encoder. This system ensures great reliability and precision in keeping the positions. Limit switch regulation is performed simply with the remote control. During setting, the motor moves only as long as the up or down button is pressed, stopping when the button is released.

HIGH LIMIT SWITCH SETTING

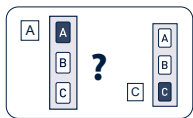
After setting the remote control, the high end position must be set first.

To do this, lift the blind completely.

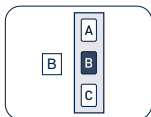
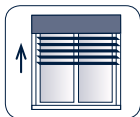
- Notes:
- If the Venetian blind is completely closed, you have firstly to open it by around 20 cm.
 - To lift the Venetian blind, it will sometimes be necessary to use the down button, as the correct direction of rotation will only be identified once the high end position has been memorised.

To set the closing position, hold pressed the "stop" button (around 2 sec) until the motor performs a short "down" movement.

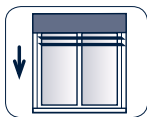
Tn: Already programmed remote control



Tn



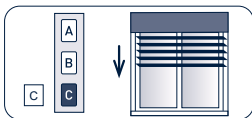
Tn (2 sec)



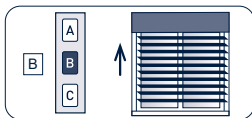
LOW LIMIT SWITCH SETTING

After adjusting the high end position, lower the Venetian blind completely by pressing and holding the down button on the remote control. You can use the up/down buttons to fine-tune the low end position.

To save the low end position, press and hold button B (stop) for about 2 seconds until the motor makes a short upward movement.



Tn



Tn (2 sec)

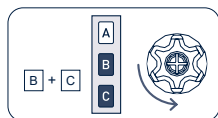
When you have finished adjusting the limit switches, press the up or down button briefly (<1 sec) to adjust the tilt of the slats or press long (>1 sec) to move the motor automatically to the final end positions.

DELETING THE LIMIT SWITCH POSITIONS

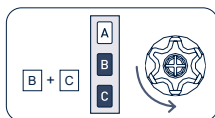
HIGH LIMIT SWITCH DELETING

To delete only the high limit switch, carry out the following procedure and proceed with the 'HIGH LIMIT SWITCH SETTING'.

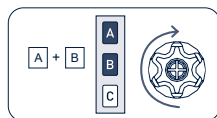
Tn: Already programmed remote control



Tn



Tn

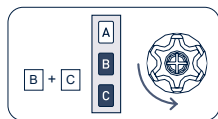


Tn (2 sec)

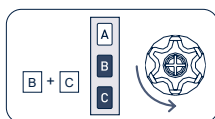
LOW LIMIT SWITCH DELETING

To delete only the low limit switch, carry out the following procedure and proceed with the 'LOW LIMIT SWITCH SETTING'.

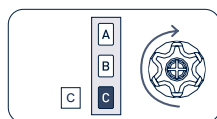
Tn: Already programmed remote control



Tn



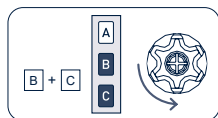
Tn



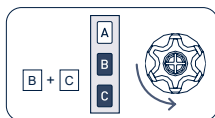
Tn (2 sec)

TOTAL DELETING OF THE LIMIT SWITCHES

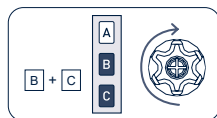
Tn: Already programmed remote control



Tn



Tn

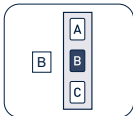
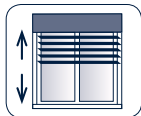


Tn (4 sec)

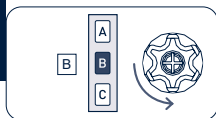
SETTING A MIDDLE POSITION

This function allows to drive the venetian blind to a favourite middle position. To memorize the middle position, move the venetian blind to the desired position and then hold the STOP button down (for about 4 seconds) until the motor gives confirmation.

Tn: Already programmed remote control



Tn (4 sec)



2 sec

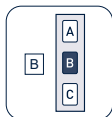
When the middle position is memorised, you can move the Venetian blind to this position by pressing the B (stop) button for a 2 seconds on the remote control.

DELETING THE MIDDLE POSITION

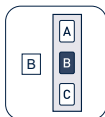
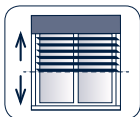
If you want to delete the middle position, it can be done as described below. To change this position, it's also necessary to delete first the memorized middle position.

Before deleting the middle position, the venetian blind must go to the middle position by pressing the STOP button for 2 second, then press the STOP button again (for about 4 seconds) until the motor performs the confirmation movement.

Tn: Already programmed remote control



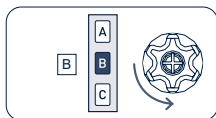
Tn (2 sec)



Tn (4 sec)



SLAT OPENING CONTROL



< 2 sec

You can give the slat opening command when the motor is stopped. It is sufficient to press the B (stop) button briefly (<2 sec.) on the remote control.

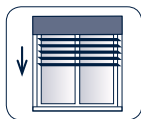
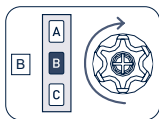
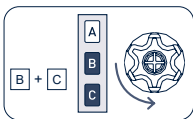
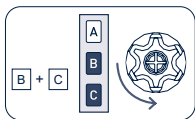
SETTING THE SLAT OPENING POSITION

The motor has a pre-memorized open-slat position, of about 0,8 s, which enables the automatic opening of the slats at an angle of between 30 and 45 degrees.

If one likes, it is possible to change the slat opening position.

CHANGING THE SLAT OPENING POSITION

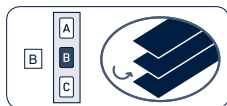
Initiate the indicated command sequence and wait for the blind to be completely lowered.



2 sec

The motor is now running in dead man mode, enabling the fine adjustment of the slat opening position. Confirm the position with B (2 sec).

The motor automatically opens the slats.



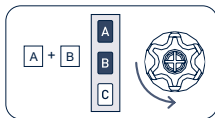
2 sec

SETTING OF ADDITIONAL REMOTE CONTROLS

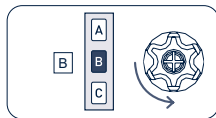
Up to 15 remote controls can be set.

Tn: Already programmed remote control

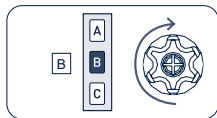
Tx: Additional remote control



Tn



Tn

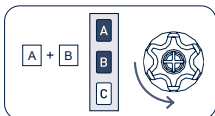


Tx (2 sec)

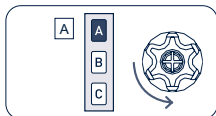
REMOTE CONTROL MEMORY CLEARING

It is possible to delete singly all the memorized remote controls. When the last one is deleted the motor initial condition is restored. The same applies to the single channels of a multichannel remote control: just select the channel to cancel.

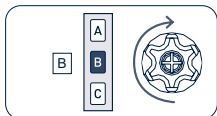
Tn: Remote control to be cleared



Tn

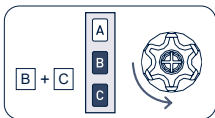


Tn

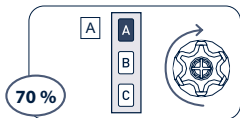
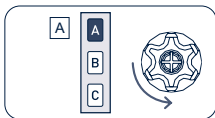


Tn (2 sec)

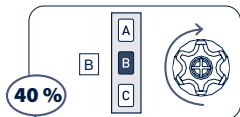
TORQUE CONTROL SETTING



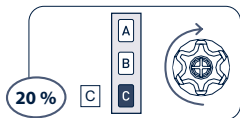
Tn



70 %



40 %



20 %

The motor is factory set to a closing force of 40% of the nominal torque (e.g.: 40% of 10 Nm = 4 Nm).

This force can be changed very easily by the remote control. It can be reduced by 20% or increased up to 70%, depending on the desired result.

2 sec

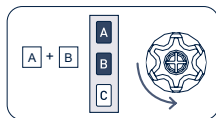
FULL MEMORY CLEARING

This full memory clearing does not delete the setting of the limit switch.

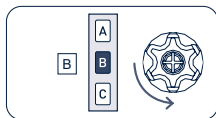
The full memory clearing can be performed in two ways:

1) WITH THE REMOTE CONTROL

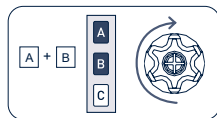
Tn: Already programmed remote control



Tn



Tn



Tn (4 sec)

2) WITH BATTERY CONNECTION/DISCONNECTION SEQUENCE

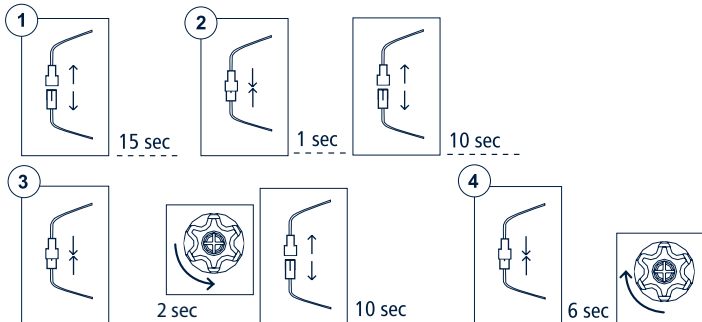
Do this operation only in case of emergency, if all remote controls are no longer operating.

To clear the memory, disconnect the photovoltaic panel and access the battery connection.

The sequence of this operation is the following:

- 1) Disconnect the battery and wait at least 15 seconds.
- 2) Connect the battery, after 1 second disconnect it and wait at least 10 seconds.
- 3) Connect the battery and after 1 second the motor will rotate briefly in one direction. Disconnect the battery immediately after the movement and wait at least 10 seconds.
- 4) Connect the battery and after 6 seconds the motor will make a short rotation in the opposite direction to step 3.
- 5) Reconnect the photovoltaic panel.

At this point it is possible to proceed with the setting of the first remote control.



SHORT-TERM SETTING OF A REMOTE CONTROL

This function makes it possible to store a remote control temporarily, for example, with the purpose of setting the limit switches during assembly in the factory. A later final saving of the remote control will be possible using the appropriate command sequence (see: "SETTING THE FIRST REMOTE CONTROL").

The operations described below can be carried out only when the motor has just come out of the factory or after a full memory clearing (see: "FULL MEMORY CLEARING"). The motor makes the following operations possible only within the time limits described in order to make sure that the short-term setting is used only in the installation or factory setting phase and not during daily use.

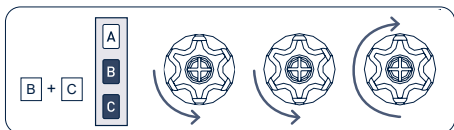
Power up the motor, make sure that no other motors having an empty memory are powered up in the same operating range.

Within 30 seconds after start, press the B and C buttons simultaneously until the motor gives a confirmation signal.

The remote control will remain stored for 5 minutes, while the motor is powered up.

After 5 minutes or when the motor has its power cut off, the remote control will be cancelled.

T1: First remote control to be set

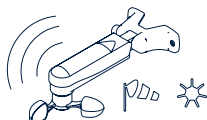


T1

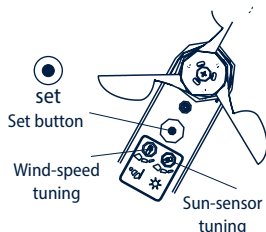
COMPATIBLE ANEMOMETERS*



WINDTEC - Ref. A520007



WINDTEC LUX - Ref. A520008

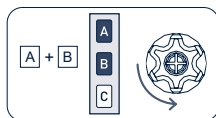


*For a description of the functions, check the WindTec instruction.

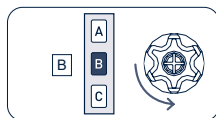
SETTING THE WIND SENSOR

To associate the sensor to the motor, a remote control must be already memorized. The setting sequence is the following:

Tn: Already programmed remote control



Tn



Tn

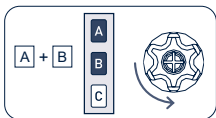


2 sec

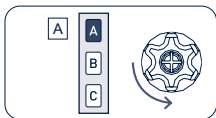
DELETING THE SENSOR

To delete the sensor from the motor, an already programmed remote control must be used.

The deleting sequence is the following:



Tn



Tn



2 sec

ENABLE / DISABLE THE SUN SENSOR

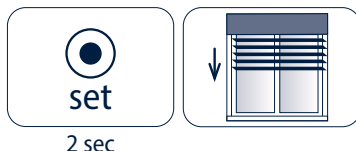
(WindTec Lux)

To enable (automatically) or disable (manually) the sun sensor refer to the instruction manual provided with the sensor or the remote control you want to use.

TEST MODE (WINDTEC/WINDTEC LUX)

This function is useful to check proper radio communications and to perform the wind and sun function test.

To activate the TEST function, hold the SET button down for around 2 seconds, until the Venetian blind moves to a middle position, indicating that the test is active. The Test function lasts for 3 minutes, during which the wind and sunlight threshold settings can be checked, without waiting for activation times. After 3 minutes, the WindTec sensor returns to normal operational mode.



WIND FUNCTION TEST (WINDTEC, WINDTEC LUX)

To avoid errors during the wind function test, it is suggested that the sunlight function be deactivated. By spinning the anemometer fins, when the speed detected by the sensor exceeds the threshold set, the motor commands the closing of the Venetian blind.

SUN FUNCTION TEST (WINDTEC LUX)

Make sure that the sunlight function is on. When the sensor detects a change in the sunlight intensity, lowers the Venetian blind if the sunlight intensity goes above the threshold set, or raises the Venetian blind if the light intensity goes below the threshold set. It is possible to repeat this test several times, so as to find the desired adjustment levels precisely.

OPERATION WITH SUN/WIND SENSOR

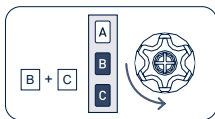
It is possible to associate a sun/wind sensor with the motor. At sun climatic events on/off and in the presence of a wind alarm, the motor performs the following operations:

EVENT	AUTOMATIC MOVEMENT
Appearance of the sun (light above threshold). 2nd middle position not enabled.	Three minutes after the appearance of the sun, the blind is lowered completely and the slats open.
Appearance of the sun (light above threshold). 2nd middle position enabled.	Three minutes after the sun appears, the blind moves to the 2nd middle position and opens the slats.
Disappearance of the sun (light below threshold).	The motor stands still.
Wind alarm (wind above threshold). Default function.	The Venetian blind raises completely and cannot be stopped or lowered until 8 minutes after the wind speed has returned below the threshold.
Wind alarm (wind above threshold). Privacy function active (see p. 28).	The Venetian blind opens to the Privacy position and cannot be operated until 8 minutes after the wind speed has returned below the threshold.
End of wind alarm (8 minutes after wind below threshold). Light sensor off.	The Venetian blind remains stationary and can be controlled again. (If the Automatic Reopening End Wind Alarm function is enabled, the position prior to the wind alarm is restored, please refer to the anemometer instruction booklet).
End of wind alarm (8 minutes after wind below threshold). Light sensor active.	In the case of light above the threshold, the Venetian blind lowers completely (or moves to the 2nd middle position if provided) and opens the slats. In the case of light below the threshold, the motor stands still.

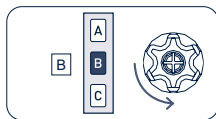
ACTIVATING THE PRIVACY FUNCTION

The Privacy function opens the slats at an angle of approximately 45° in the event of a wind alarm. The function can be activated at any time with the following remote control sequence:

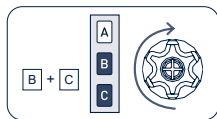
Tn: Already programmed remote control



Tn



Tn



Tn (2 sec)

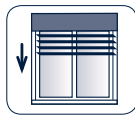
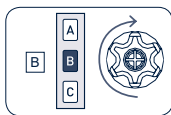
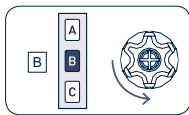
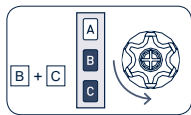
SETTING THE PRIVACY POSITION

If the Privacy function is enabled, in response to a wind alarm the Venetian blind will open the blades at a default angle of approximately 45°.

If desired, it is possible to change the privacy position of blade opening.

CHANGING THE PRIVACY POSITION

Send the indicated command sequence and wait for the Venetian blind to lower completely.



2 sec

The motor is now running in dead man mode, enabling the fine adjustment of the Privacy position.

Confirm the position with B (2 sec).

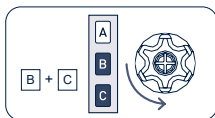
The motor automatically opens the slats.



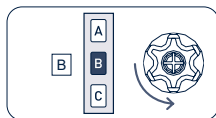
2 sec

DISABLING THE PRIVACY POSITION

The Privacy function can be deactivated with the following command sequence.

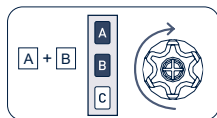


Tn



Tn

EN-28



Tn (2 sec)

ADDITIONAL MIDDLE POSITION

The additional middle position is useful to open the Venetian blind automatically through the WindTec Lux sensor and to bring it to a middle position when the light of the environment exceeds the threshold set. This additional middle position can be used only in combination with the light automatism of the WindTec Lux sensor.

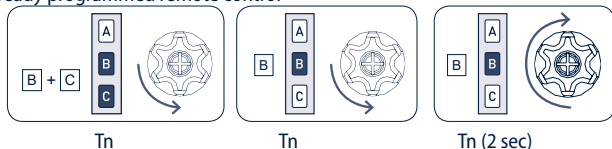
The Venetian blind cannot be brought to this position with the remote control.

However, there is the possibility to program the current middle position using the B button (2 sec) command. If the additional middle position is not memorized, the light automatism of the WindTec Lux sensor (when enabled) lowers the blind completely and opens the slats. When the WindTec Lux (Set button) sensor is tested, the movements of the motor do not take the additional middle position into consideration: the Venetian blind always stops in the half-way position, and in the case of light above the threshold, the Venetian blind lowers completely and opens the slats.

SETTING THE ADDITIONAL MIDDLE POSITION

After saving the limit switches, carry out the following command sequence:

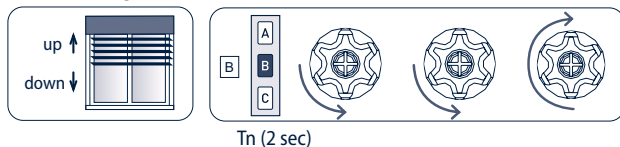
Tn: Already programmed remote control



Starting from this moment, the motor moves in the “DEAD MAN” mode. This makes it possible to regulate the additional middle position in a precise way.

Carry out the following operations:

- Bring the awning to the desired open position.
- Press the B button of the remote control for about 2 seconds, until the motor gives a confirmation signal.



Starting from this moment, when the WindTec Lux commands the opening of the Venetian blind through the light automatism (if this is enabled), the Venetian blind will be brought to the additional middle position.

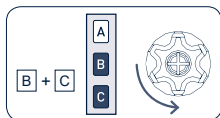
CHANGING THE ADDITIONAL MIDDLE POSITION

To change the additional middle position repeat the procedure described in the previous section.

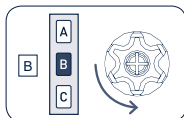
DELETING THE ADDITIONAL MIDDLE POSITION

Carry out the following command sequence in order to cancel the additional middle position:

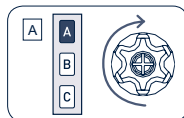
Tn: Already programmed remote control



Tn



Tn



Tn (2 sec)

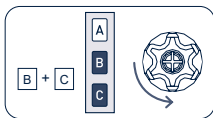
SLATS OPENING COMMAND MANAGEMENT

PULSE / AUTOMATIC PULSE / CONTINUOUS

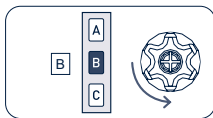
NB: The default command type provided in the motors leaving the factory is PULSE. It is always possible to change the command type setting by performing the sequence below.

PROCEDURE TO CHANGE THE COMMAND MODE:

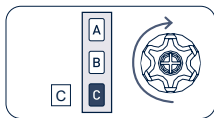
Tn: Already programmed remote control



Tn



Tn



Tn (2 sec)

The possible settings are 3 and are available in the following order:

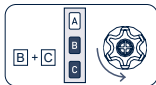
- PULSE: UP-DOWN pulse <1 sec to adjust (**factory setting**)
- AUTOMATIC PULSE: UP or DOWN to start adjustment and STOP to stop
- CONTINUOUS: UP or DOWN to start adjustment without pulse and STOP to stop

To switch from one setting to the following, perform the sequence as many times as necessary to reach the desired setting.

PULSE mode:



AUTOMATIC PULSE mode:



CONTINUOUS mode:



**CHERUBINI S.p.A.**

Via Adige 55
25081 Bedizzole (BS) - Italy
Tel. +39 030 6872.039
info@cherubini.it | www.cherubini.it

CHERUBINI Iberia S.L.

Avda. Unión Europea 11-H
Apdo. 283 - P. I. El Castillo
03630 Sax Alicante - Spain
Tel. +34 (0) 966 967 504
info@cherubini.es | www.cherubini.es

CHERUBINI France SAS

ZI Du Mas Barbet
165 Impasse Ampère
30600 Vauvert - France
Tél. +33 (0) 466 77 88 58
info@cherubini.fr | www.cherubini.fr

CHERUBINI Deutschland GmbH

Rotter Viehtrift 4A - 53842 Troisdorf - Deutschland
Tel. +49 (0) 224 126 699 74 | Fax +49 (0) 224 126 699 73
info@cherubini-group.de | www.cherubini-group.de