

## PLUG&PLAY RX



MOTORE TUBOLARE RADIO  
CON REGOLAZIONE AUTOMATICA DEL FINECORSO ELETTRONICO

**IT**

REMOTE CONTROLLED TUBULAR MOTOR RADIO  
WITH AUTOMATIC ELECTRONIC LIMIT SWITCH ADJUSTMENT

**EN**

FUNKROHRMOTOR MIT  
AUTOMATISCHER EINSTELLUNG DER ENDLAGEN

**DE**

MOTEUR TUBULAIRE RADIO  
AVEC RÉGLAGE AUTOMATIQUE DU FIN DE COURSE ÉLECTRONIQUE

**FR**

MOTOR TUBULAR VÍA RADIO  
CON REGULACIÓN AUTOMÁTICA DEL FIN DE CARRERA ELECTRÓNICO

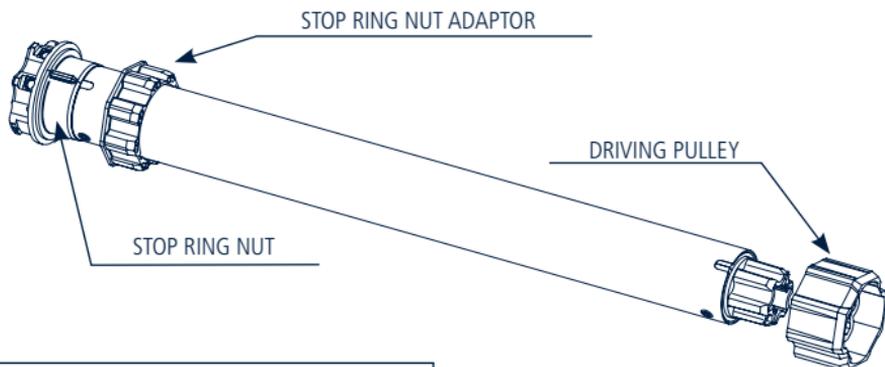
**ES**



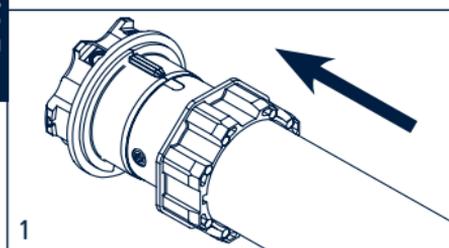
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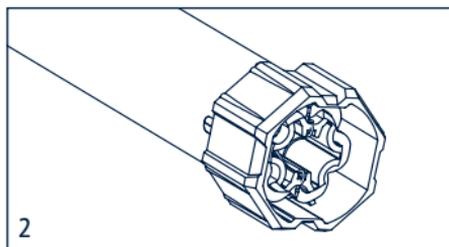
## HOW TO PREPARE THE MOTOR



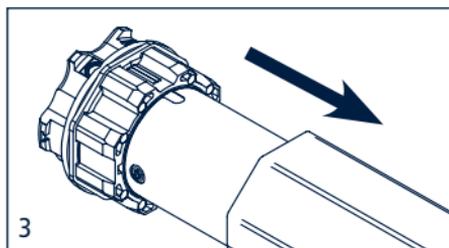
ENGLISH



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.

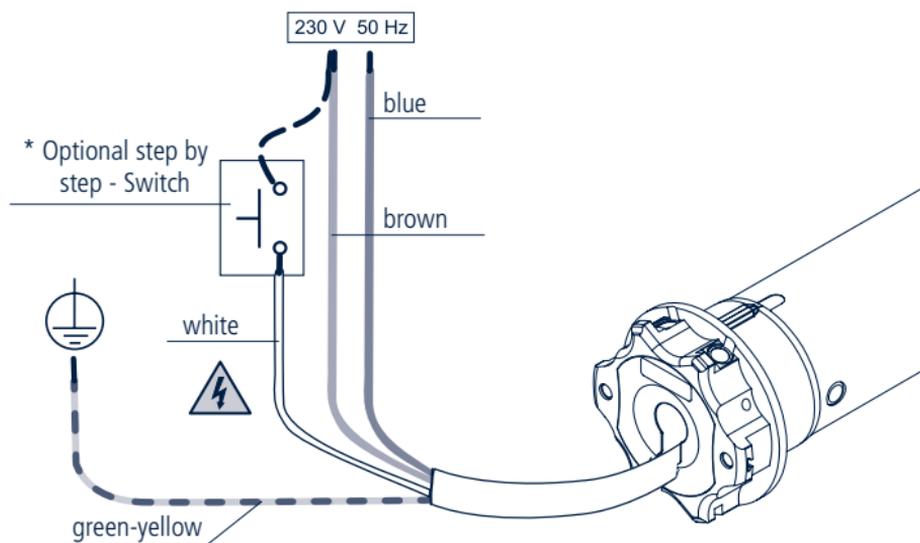


3. Insert the motor fully in the rolling tube.

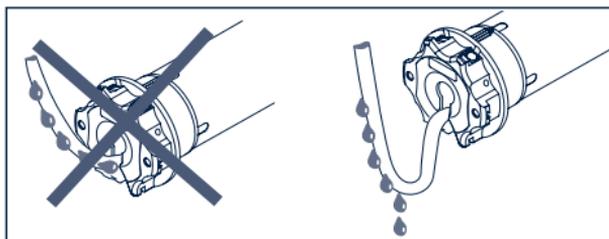
**NB:** If you use tubes with a round form, the driving pulley must be fixed to the tube, and the installation is to be paid by the person who installs the system. For other tube sections the fitting is optional, but strongly recommended.

## ELECTRICAL CONNECTIONS

- In order to prevent dangerous situations or malfunctioning, the electrical command elements wired to the motor must be sized according to the motor's electrical features.
- Means for disconnection must be incorporated in the fixed wiring in accordance with the national installation standards.
- For outdoor use, provide the appliance with a supply cable with designation H05RN-F containing at least 2% of carbon.
- If not used, the white wire must be insulated. It is dangerous to touch the white wire when the motor is powered.

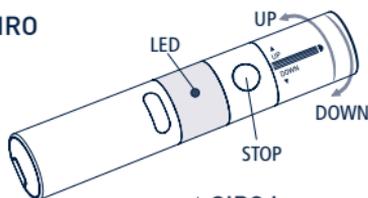


\* Installing this switch is optional. The connection can be done differently using the brown wire or the blue wire. The switch affords the possibility to command the motor in stepping mode (up, stop, down, stop, up, stop, down, stop..)

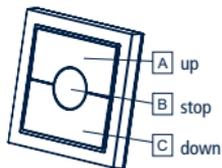


## COMPATIBLE REMOTE CONTROLS

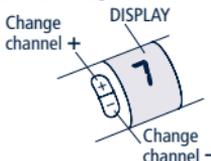
### GIRO



### GIRO Wall

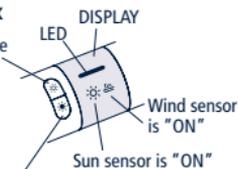


### GIRO Plus



### GIRO Lux

Activating the Sun sensor

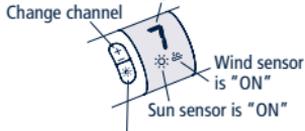


Deactivating the Sun sensor

### GIRO P-Lux

Change channel

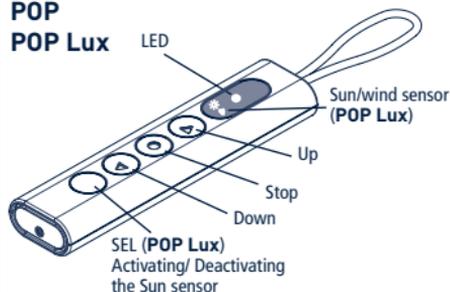
DISPLAY



Activating/ Deactivating the Sun sensor

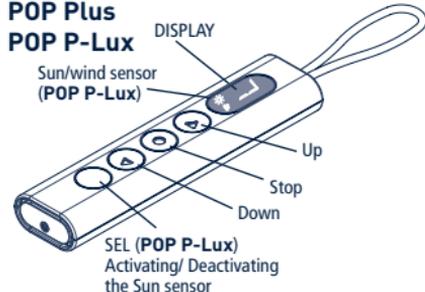
### POP

### POP Lux



### POP Plus

### POP P-Lux



SKIPPER  
SKIPPER Lux  
SKIPPER Plus  
SKIPPER P-Lux

LED - SKIPPER  
display -  
SKIPPER Lux  
SKIPPER Plus  
SKIPPER P-Lux



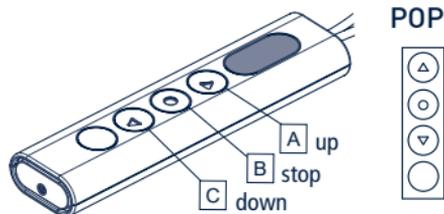
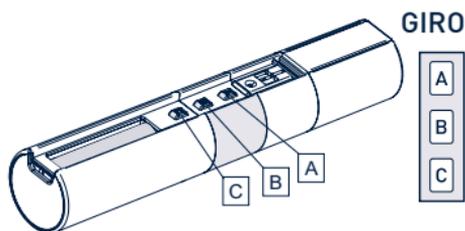
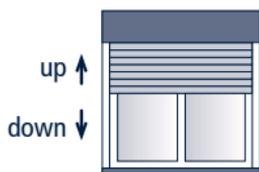
Activating/ Deactivating the Sun sensor  
SKIPPER Lux  
SKIPPER P-Lux

SKIPPER LCD  
SKIPPER SENSO

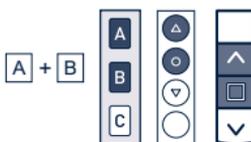


Check the specific instruction book

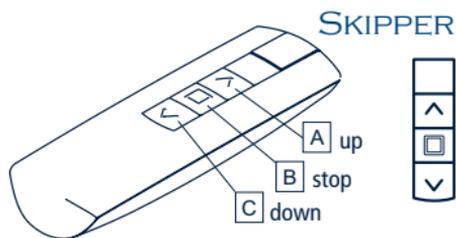
## KEY TO SYMBOLS



Press button A



Press buttons A and B  
at the same time



Press the  
bottom  
UP



Press the  
bottom  
DOWN



Release



short motor rotation  
in one direction



long motor rotation  
in other direction

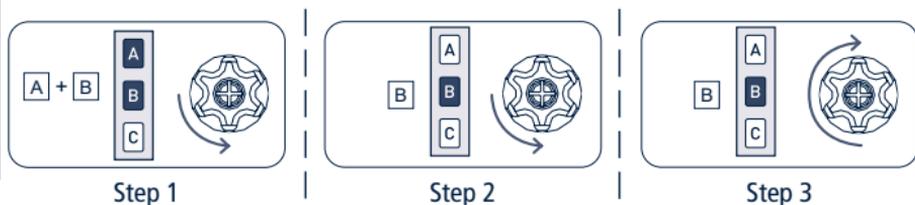


double short  
rotation

## COMMAND SEQUENCES EXAMPLE

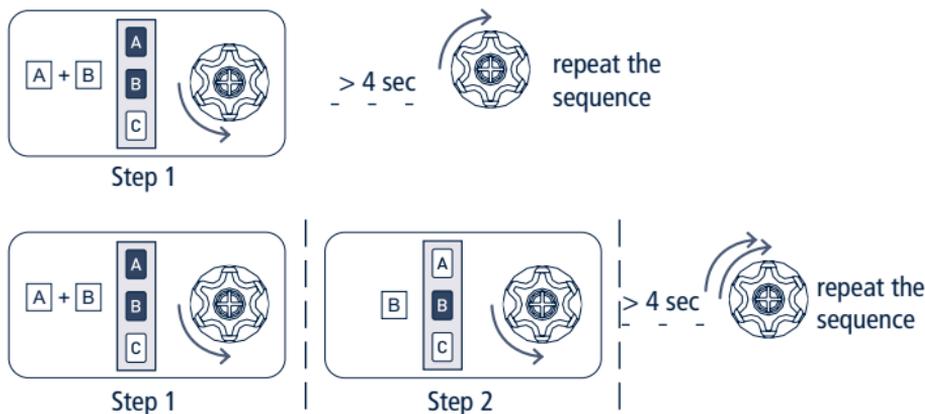
Most of the command sequences have three distinct steps, at the end of which the motor indicates if the step has been concluded positively or not, by turning in different ways. This section is provided to demonstrate the motor indications. The buttons must be pressed as shown in the sequence, without 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:



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:



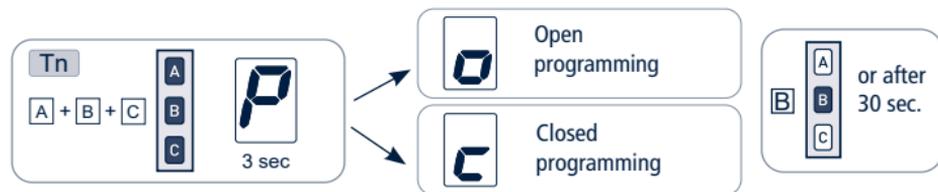
# FUNCTION OPEN/CLOSE PROGRAMMING

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

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

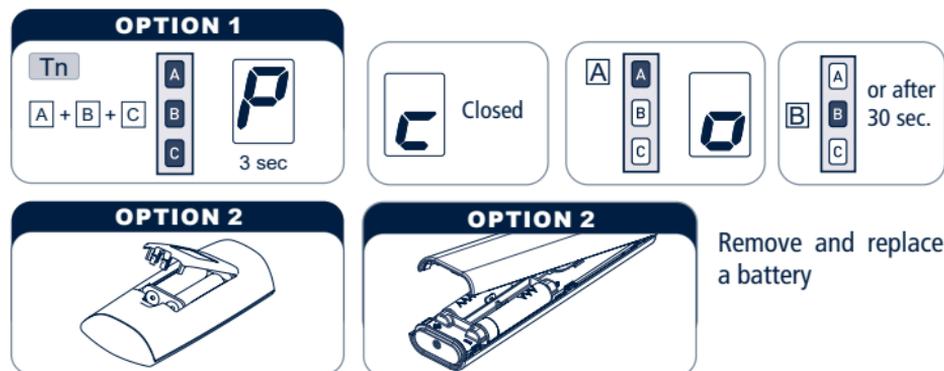
To prevent accidental changes to the programming of the motor during the daily use of the remote control, the possibility of programming is disabled automatically 8 hours after sending the last sequence (A+B or B+C).

### CHECKING THE STATUS OF THE FUNCTION



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

### ENABLE PROGRAMMING



Proceed with programming as the instructions booklet.

### DISABLE PROGRAMMING

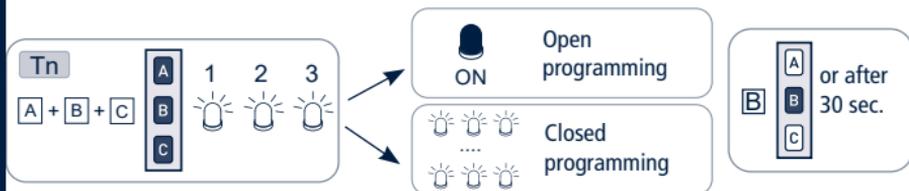


## FUNCTION OPEN/CLOSE PROGRAMMING

### REMOTE CONTROL SKIPPER - SERIES GIRO - REMOTE CONTROL POP

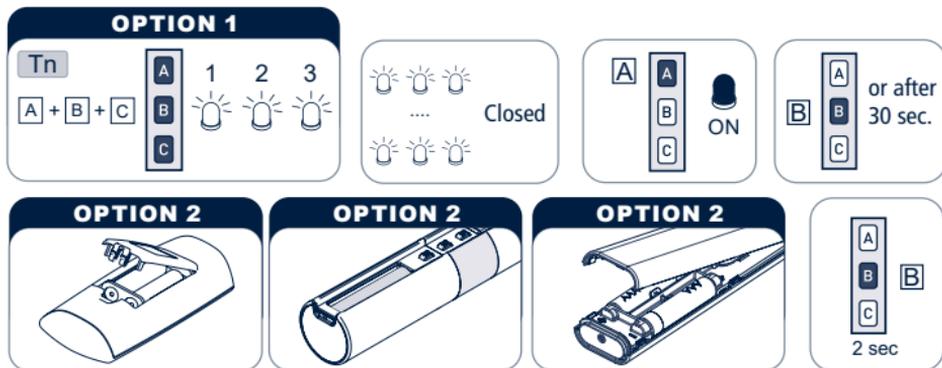
To prevent accidental changes to the programming of the motor during the daily use of the remote control, the possibility of programming is disabled automatically 8 hours after sending the last sequence (A+B or B+C).

#### 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 5 seconds or press any button.

Proceed with programming as the instructions booklet.

#### DISABLE PROGRAMMING



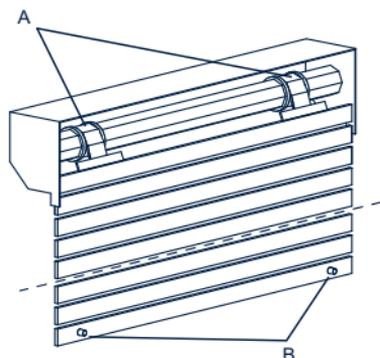
## OPERATING MODE

The tubular motor is very simple to be used and installed, it does not need any regulation as it automatically detects the position of limit switch.

The rolling shutter must be equipped with:

- A - Security locks or stiff fixing springs,
- B - Fixed or removable stoppers for end slats.

It is very important to check the sturdiness of the rolling shutter.



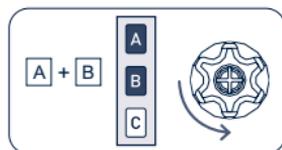
N.B. until the remote control has been memorised, the wired control of the motor will operate in "dead-man" mode.

## SETTING THE FIRST REMOTE CONTROL

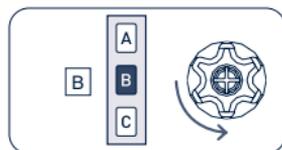
This operation can only be performed when the motor is new, or after a total delete of the memory.

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

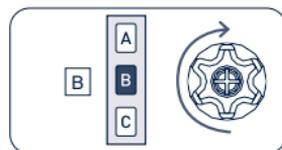
T1: First remote control to be set



T1



T1



T1 (2 sec)

## AUTOMATIC DISABLING OF THE FIRST REMOTE CONTROL SETTING FUNCTION

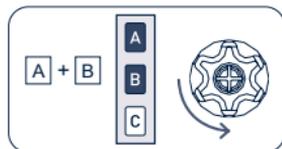
Every time you connect the power supply to the motor, you have 3 hours to store the first remote control. After this time, the ability to store the remote control is disabled. To reset the timer of the function you have to disconnect and reconnect the power supply to the motor.

## SETTING THE ROTATION DIRECTION OF THE MOTOR

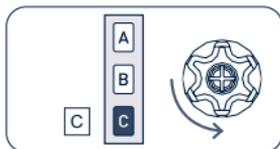
The operation can be performed via remote control or using the white wire. Every time you perform one of the two sequences below you reverse the output direction of the motor.

### From the remote control:

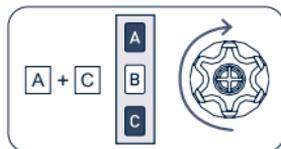
Tn: Already programmed remote control



Tn



Tn

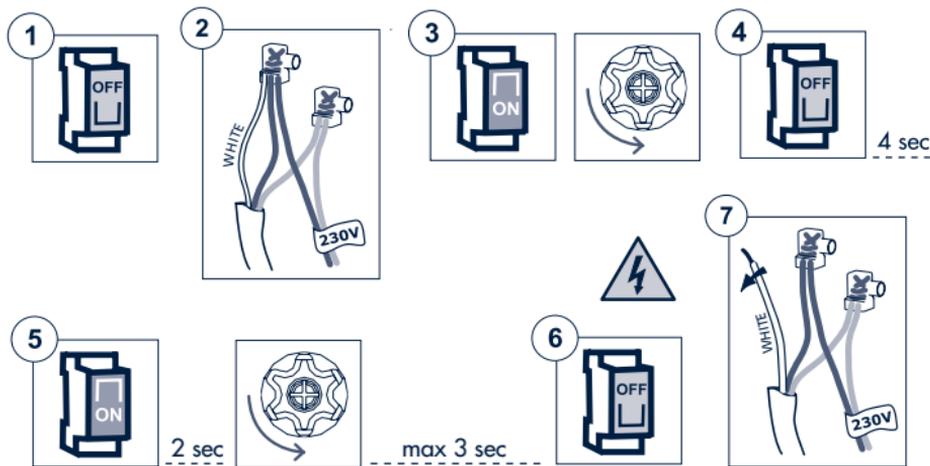


Tn (4 sec)

### From the wired control:

The sequence of this operation is the following:

- 1) Disconnect the power supply from the motor, via the main switch for example.
- 2) Connect the white motor wire to the brown wire (phase) or to the blue wire (neutral).
- 3) Connect the power supply to the motor, which rotates briefly in one direction.
- 4) Disconnect the power supply from the motor for at least 4 seconds.
- 5) Connect the motor to the power supply, after about 2 seconds the motor performs a short rotation up or down. Within 3 seconds disconnect the power supply, for example using the main switch.
- 6) Disconnect the white wire from the motor.

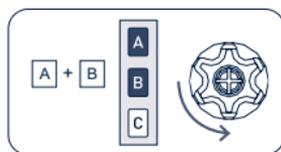


## SETTING OF ADDITIONAL REMOTE CONTROLS

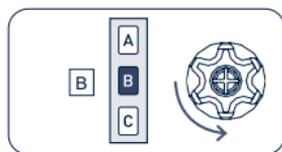
Up to 15 remote controls can be set.

Tn: Already programmed remote control

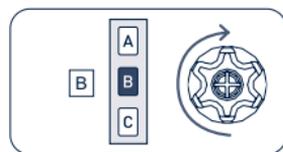
Tx: Additional remote control



Tn



Tn

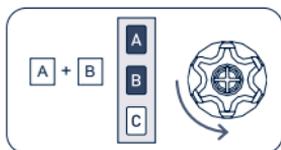


Tx (2 sec)

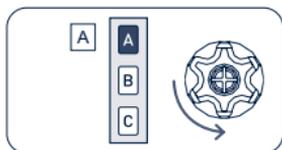
## REMOTE CONTROL MEMORY CLEARING

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.

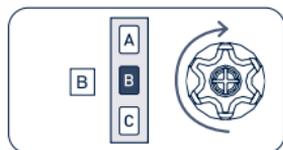
Tn: Remote control to be cleared



Tn



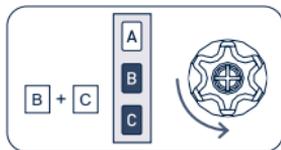
Tn



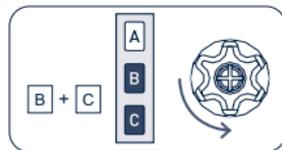
Tn (2 sec)

## RESTORE THE FACTORY MODE

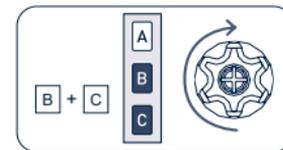
Tn: Already programmed remote control



Tn



Tn



Tn (4 sec)

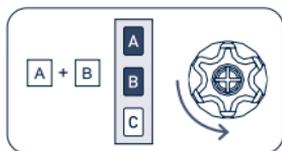
After having restored the motor's factory settings, check the direction of rotation of the motor and the operating mode from the white wire.

# TOTAL DELETION OF THE REMOTE CONTROLS MEMORY

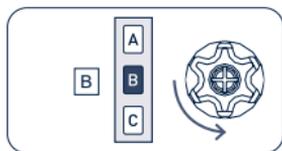
The full memory clearing can be performed in two ways:

## 1) WITH THE REMOTE CONTROL

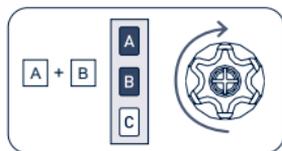
Tn: Already programmed remote control



Tn



Tn



Tn (4 sec)

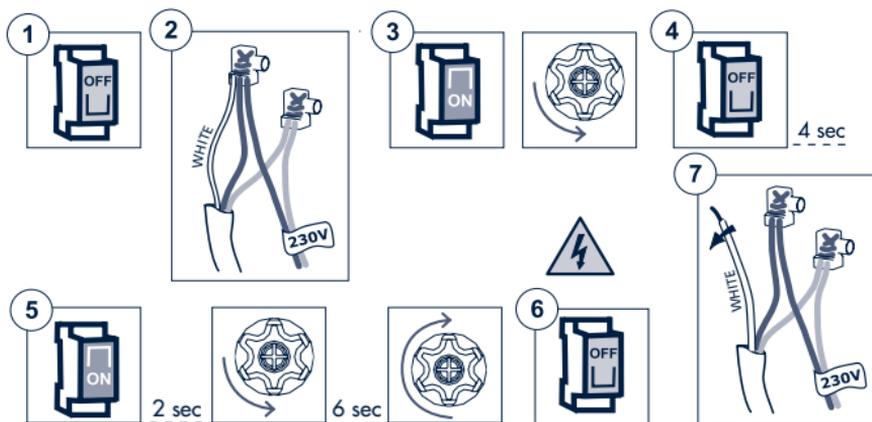
## 2) WITH THE WHITE WIRE

Do this operation only in case of emergency, if all remote controls are no longer operating. To delete the memory we have to access the white wire of the motor.

The sequence of this operation is the following:

- 1) Disconnect the power supply from the motor, via the main switch for example.
- 2) Connect the white motor wire to the brown wire (phase) or to the blue wire (neutral).
- 3) Connect the power supply to the motor, which rotates briefly in one direction.
- 4) Disconnect the power supply from the motor for at least 4 seconds.
- 5) Connect the motor to the power supply, after about 2 seconds the motor performs a short rotation up or down. After about 6 seconds the motor performs a long rotation in the opposite direction.
- 6) Disconnect the power supply from the motor.
- 7) Separate the white wire from the brow/blue wire. Insulate the white wire, in an appropriate way, before reconnecting the power supply.

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



## SPECIAL FUNCTIONS

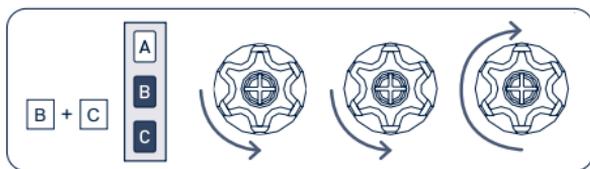
### SHORT-TERM SETTING OF A REMOTE CONTROL

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



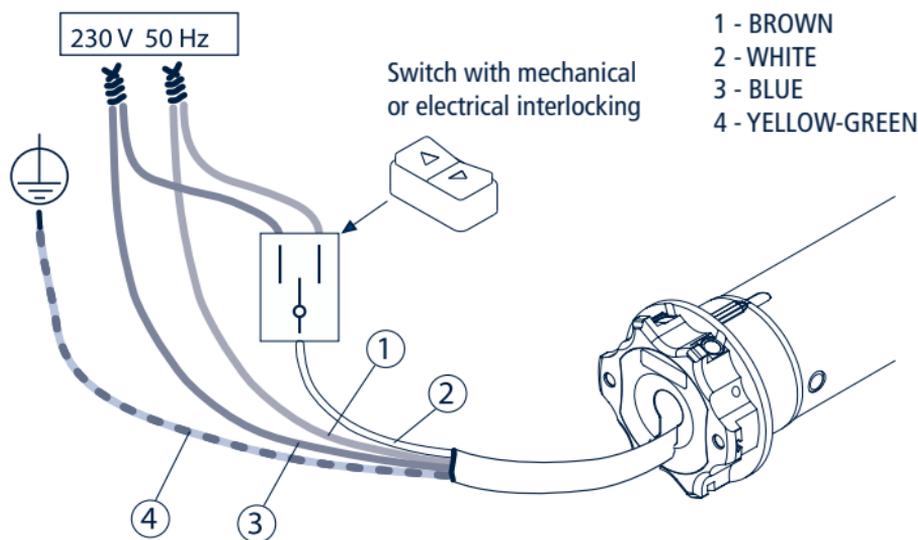
T1

## ELECTRICAL CONNECTIONS FOR MOTOR CONTROL WITH DOUBLE INTERLOCKED SWITCH

To connect the switch, use only kind of switches with mechanical or electrical interlock, to prevent to press both buttons at same time.

The motor automatically recognizes the switch-type (with 1 or 2 buttons) and sets the proper operational mode.

ENGLISH



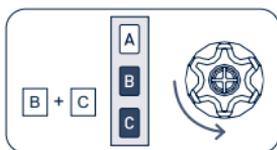
## COMMAND MANAGEMENT FROM WHITE WIRE

### UP-STOP-DOWN-STOP / UP-DOWN / UP-DOWN "Dead Man"

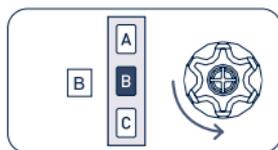
NB: The default function provided in the motors leaving the factory is UP-STOP-DOWN-STOP for singular UP/DOWN button switch. (Not for the switch with two independent UP-DOWN buttons!)

PROCEDURE TO CHANGE THE CONTROL MODE:

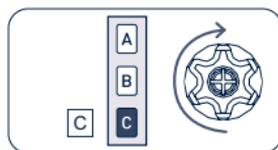
Tn: Already programmed remote control



Tn



Tn

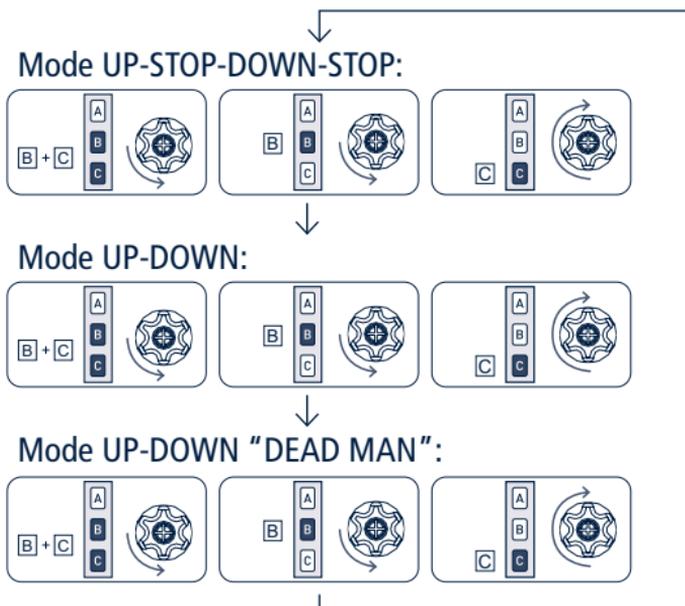


Tn (2 sec)

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

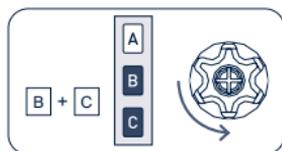
- UP-STOP-DOWN-STOP (factory setting)
- UP-DOWN (for 2 independent buttons)
- UP-DOWN "DEAD MAN" (for 2 independent buttons)

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

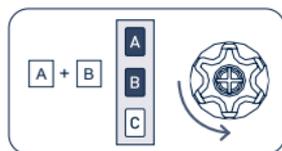


## DISABLING RADIO CONTROLS

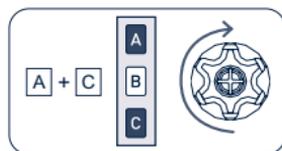
Tn: Already programmed remote control



Tn



Tn



Tn (4 sec)

If the remote controls are disabled, the motor will no longer respond to commands sent by the remote control. It can only be operated from the wired control.

To restore the radio functions, erase the remote control memory completely.

## EU DECLARATION OF CONFORMITY

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

Directive 2014/35/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](http://www.cherubini.it).



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