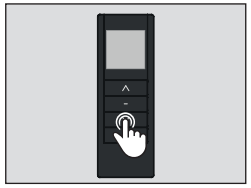
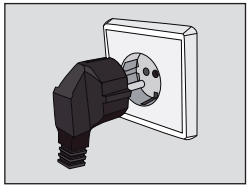
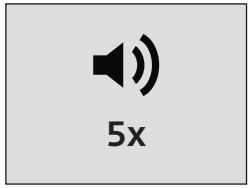
Change motor's direction:



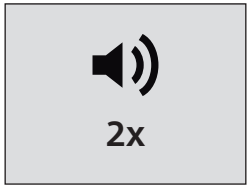
01 • Continuously press the **CLOSE** key transmitter to be programmed.



02 • Connect the control board to a 230V power supply.

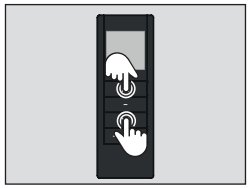


03 • Keep the **CLOSE** key pressed for 10 seconds, during which the control board emits slow 5 beeps.

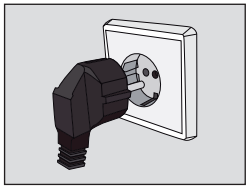


04 • After 10 sec, the control board emits 2 quick beeps confirming the programming success.

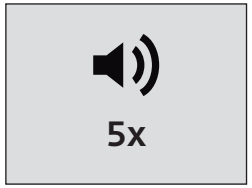
Erase the controllers from the control board's memory:



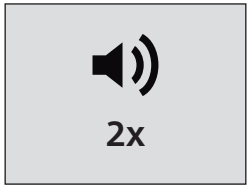
01 • Continuously press the **OPEN** and **CLOSE** key transmitter to be programmed.



02 • Connect the control board to a 230V power supply.



03 • Keep the **OPEN** and **CLOSE** key pressed for 10 seconds, during which the control board emits slow 5 beeps.



04 • After 10 sec, the control board emits 2 quick beeps confirming the programming success.

SAFETY INSTRUCTIONS

ATTENTION:

Importance of the Manual:
- It is important for your safety that these instructions are followed.
- Keep these instructions in a safe place for future reference.

Responsibility:
- The **ELECTROCELOS S.A.** is not responsible for the improper use of the product, or other use than that for which it was designed.
- The **ELECTROCELOS S.A.** is not responsible if safety standards were not taken intoaccount when installing the equipment, or for any deformation that may occur.
- The **ELECTROCELOS S.A.** is not responsible for insecurity and malfunction of the product when used with components that were not sold by the themselves.

Mechanism use:
- This product was designed and manufactured strictly for the use indicated in this manual. This control board is not appropriate for inflammable or explosive environments. Any other use not expressly indicated may damage the product and/or can causephysical and property damages, and will void the warranty. Do not make any changes to the automation components and/or their accessories. Central for indoor use with 230V connection. Keep remote controls away from children, to prevent the automated system from being activated involuntarily. The customer shall not, under any circumstances, attempt to repair or tune theautomatism. Must call qualified technician only.

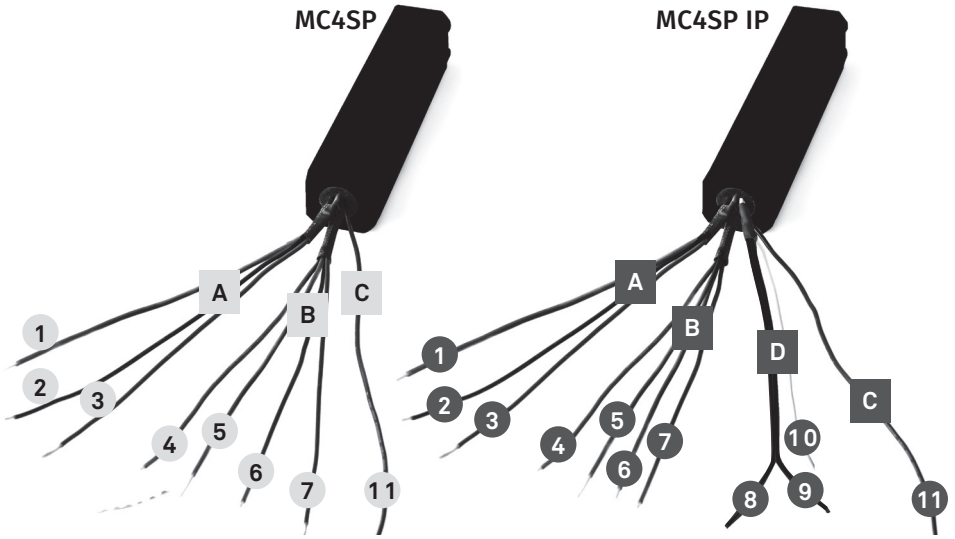
To Installer:
- The installer must have certified professional knowledge at the level of mechanical assemblies in doors and gates and control board programmation. He should also be able to perform electrical connections in compliance with all applicable regulations.
- The installer should inform the customer how to handle the product in an emergency and provide him the manual.

MC4SP MC4SP IP

EN V5.0 REV. 11/2018

USER/INSTALLER MANUAL

This control board was designed with the purpose of programming tubular motors.



• CONETORS DESCRIPTION

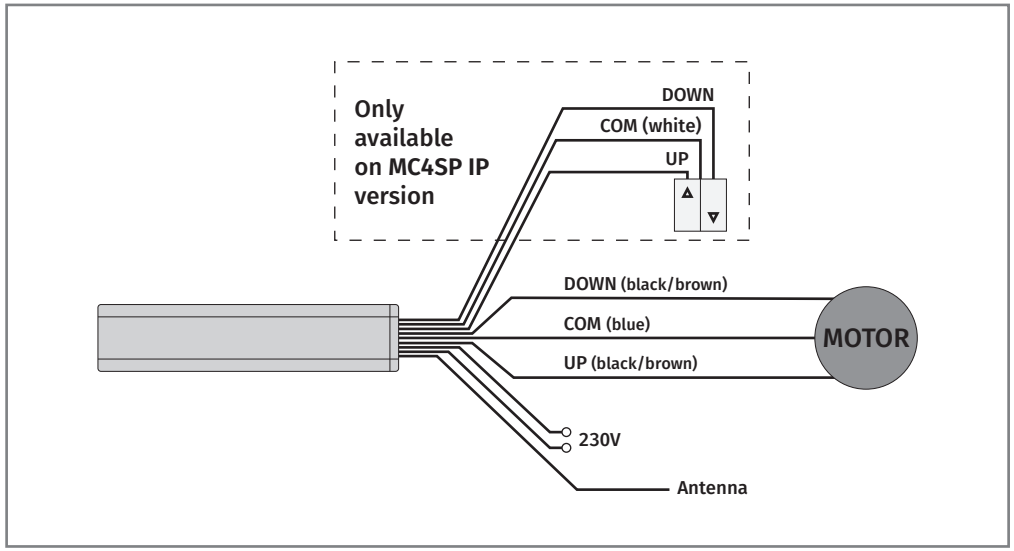
A	CN1: CENTRAL'S POWER SUPPLY CONNECTORS	C	
1	Blue - Line Input AC230V (neutral)	11	Antenna
2	Black - Line Input AC230V (phase)		
3	Ground Wire		

B	CN2: MOTOR'S CONNECTIONS	D	SWITCH
4	Black - Motor's Output AC230V (UP)	8	Black - Wire for switch - UP
5	Blue - Motor's Output AC230V (COMUM)	9	Black - Wire for switch - DOWN
6	Brown - Motor's Output AC230V (DOWN)	10	White - Common
7	Ground Wire		

TECHNICAL SPECIFICATIONS

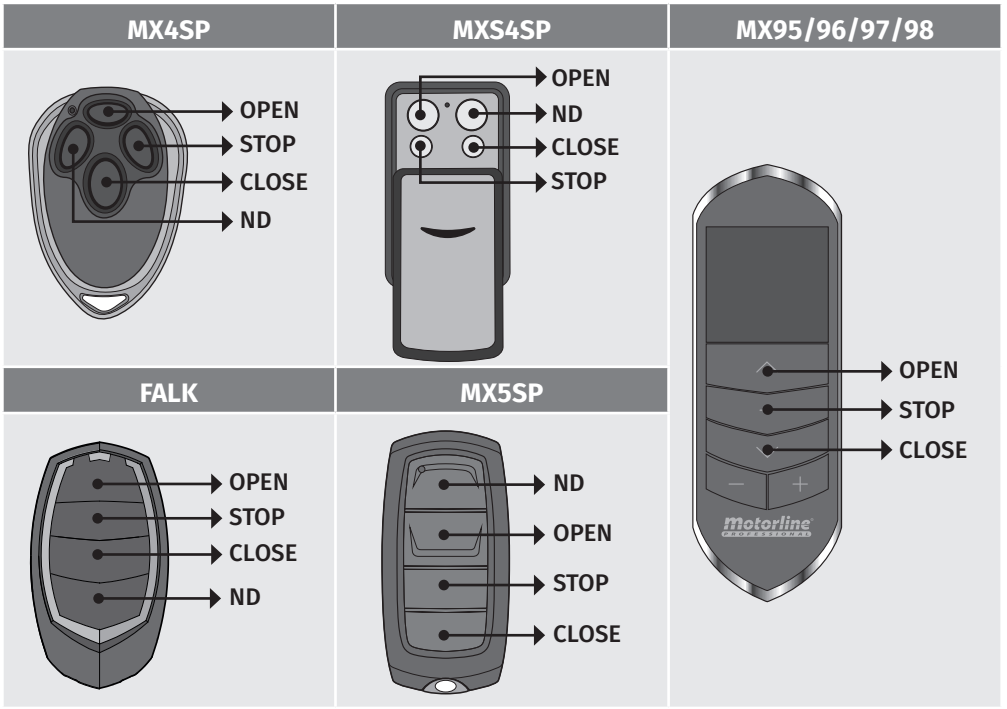
· Power Supply	230V AC | 50-60Hz
· Motor's Output	230V AC 750W máx.
· Operating Temperature	-10°C a +65°C
· Frequency Transmission	433,92 Mhz
• Nº of remote controllers	16
· Code Type	Rolling Code
· Protection Level	IP44
· Dimensions	119X28X26mm

CONNECTION DIAGRAM



The control board MC4SP has capacity for 16 different controllers. Once out of memory, 4 beeps will signal that the memory is full.
Start each the following settings with the central disconnected from the mains.

To know where is the location of the keys **OPEN**, **STOP** and **CLOSE** on the several radio-commands, check the following schemes:

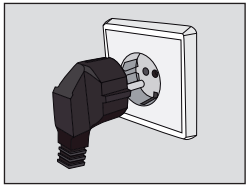


PROGRAMMING

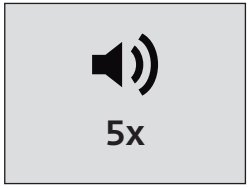
WARNING: Always start any programming with control board disconnected from the power supply!

Programming new transmitter:

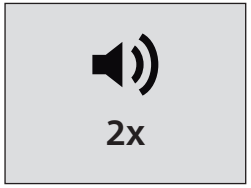
01 • Continuously press the **OPEN** key transmitter to be programmed.



02 • Connect the control board to a 230V power supply.



03 • Keep the **OPEN** key pressed for 10 seconds, during which the control board emits slow 5 beeps.



04 • After 10 sec, the control board emits 2 quick beeps confirming the programming success.