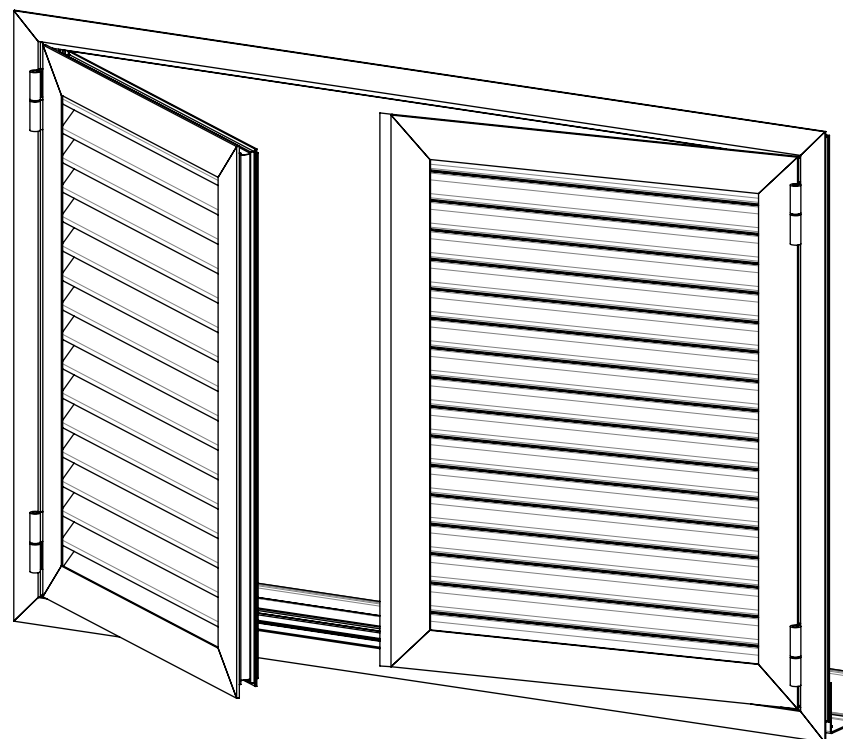




KPORTB75

USER/INSTALLER MANUAL








00. CONTENT

INDEX

01. SAFETY INSTRUCTIONS	
STANDARDS TO FOLLOW	1B
02. CONNECTION SCHEME	
CONNECTION OF COMPONENTS TO THE CONTROL BOARD	4
03. OPERATOR	
TECHNICAL SPECIFICATIONS	5A
04. INSTALLATION	
AUTOMATION INSTALLATION	5B
05. CONFIGURATION	
TRANSMITTERS CONFIGURATION	6A
WORKING TIME PROGRAMMING	6A
DELAY TIME PROGRAMMING	6B
PAUSE TIME PROGRAMMING	6B
POTENTIOMETERS	7
DELETE TRANSMITTERS AND DEFINITIONS OF CONTROL BOARD	7

01. SAFETY INSTRUCTIONS

STANDARDS TO FOLLOW

	This product is certified in accordance with European Community (EC) safety standards.
	This product complies with Directive 2011/65/EU of the European Parliament and of the Council, of 8 June 2011, on the restriction of the use of certain hazardous substances in electrical and electronic equipment and with Delegated Directive (EU) 2015/863 from Commission.
 	(Applicable in countries with recycling systems). This marking on the product or literature indicates that the product and electronic accessories (eg. Charger, USB cable, electronic material, controls, etc.) should not be disposed of as other household waste at the end of its useful life. To avoid possible harm to the environment or human health resulting from the uncontrolled disposal of waste, separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources. Home users should contact the dealer where they purchased this product or the National Environment Agency for details on where and how they can take these items for environmentally safe recycling. Business users should contact their vendor and check the terms and conditions of the purchase agreement. This product and its electronic accessories should not be mixed with other commercial waste.
	This marking indicates that the product and electronic accessories (eg. charger, USB cable, electronic material, controls, etc.) are susceptible to electric shock by direct or indirect contact with electricity. Be cautious when handling the product and observe all safety procedures in this manual.

01. SAFETY INSTRUCTIONS

GENERAL WARNINGS

- This manual contains very important safety and usage information, very important. Read all instructions carefully before beginning the installation/usage procedures and keep this manual in a safe place that it can be consulted whenever necessary.
- This product is intended for use only as described in this manual. Any other enforcement or operation that is not mentioned is expressly prohibited, as it may damage the product and put people at risk causing serious injuries.
- This manual is intended firstly for specialized technicians, and does not invalidate the user's responsibility to read the "User Norms" section in order to ensure the correct functioning of the product.
- The installation and repair of this product may be done by qualified and specialized technicians, to assure every procedure are carried out in accordance with applicable rules and norms. Nonprofessional and inexperienced users are expressly prohibited of taking any action, unless explicitly requested by specialized technicians to do so.
- Installations must be frequently inspected for unbalance and the wear signals of the cables, springs, hinges, wheels, supports and other mechanical assembly parts.
- Do not use the product if it is necessary repair or adjustment is required.
- When performing maintenance, cleaning and replacement of parts, the product must be disconnected from power supply. Also including any operation that requires opening the product cover.
- The use, cleaning and maintenance of this product may be carried out by any persons aged eight years old and over and persons whose physical, sensorial or mental capacities are lower, or by persons without any knowledge of the product, provided that these are supervision and instructions given by persons with experienced in terms of usage of the product in a safe manner and who understands the risks and dangers involved.
- Children shouldn't play with the product or opening devices to avoid

the motorized door or gate from being triggered involuntarily.

WARNINGS FOR TECHNICIANS

- Before beginning the installation procedures, make sure that you have all the devices and materials necessary to complete the installation of the product.
- You should note your Protection Index (IP) and operating temperature to ensure that is suitable for the installation site.
- Provide the manual of the product to the user and let them know how to handle it in an emergency.
- If the automatism is installed on a gate with a pedestrian door, a door locking mechanism must be installed while the gate is in motion.
- Do not install the product "upside down" or supported by elements do not support its weight. If necessary, add brackets at strategic points to ensure the safety of the automatism.
- Do not install the product in explosive site.
- Safety devices must protect the possible crushing, cutting, transport and danger areas of the motorized door or gate.
- Verify that the elements to be automated (gates, door, windows, blinds, etc.) are in perfect function, aligned and level. Also verify if the necessary mechanical stops are in the appropriate places.
- The central must be installed on a safe place of any fluid (rain, moisture, etc.), dust and pests.
- You must route the various electrical cables through protective tubes, to protect them against mechanical exertions, essentially on the power supply cable. Please note that all the cables must enter the central from the bottom.
- If the automatism is to be installed at a height of more than 2,5m from the ground or other level of access, the minimum safety and health requirements for the use of work equipment workers at the work of Directive 2009/104/CE of European Parliament and of the Council of 16 September 2009.
- Attach the permanent label for the manual release as close as possible

01. SAFETY INSTRUCTIONS

to the release mechanism.

- Disconnect means, such as a switch or circuit breaker on the electrical panel, must be provided on the product's fixed power supply leads in accordance with the installation rules.
- If the product to be installed requires power supply of 230Vac or 110Vac, ensure that connection is to an electrical panel with ground connection.
- The product is only powered by low voltage safety with central (only at 24V motors)

WARNINGS FOR USERS

- Keep this manual in a safe place to be consulted whenever necessary.
- If the product has contact with fluids without being prepared, it must immediately disconnect from the power supply to avoid short circuits, and consult a specialized technician.
- Ensure that technician has provided you the product manual and informed you how to handle the product in an emergency.
- If the system requires any repair or modification, unlock the automatism, turn off the power and do not use it until all safety conditions have been met.
- In the event of tripping of circuits breakers or fuse failure, locate the malfunction and solve it before resetting the circuit breaker or replacing the fuse. If the malfunction is not repairable by consult this manual, contact a technician.
- Keep the operation area of the motorized gate free while the gate in in motion, and do not create strength to the gate movement.
- Do not perform any operation on mechanical elements or hinges if the product is in motion.

RESPONSABILITY

- Supplier disclaims any liability if:
 - Product failure or deformation result from improper installation use or maintenance!
 - Safety norms are not followed in the installation, use and maintenance of the product.
 - Instructions in this manual are not followed.
 - Damaged is caused by unauthorized modifications
 - In these cases, the warranty is voided.

MOTORLINE ELECTROCELOS SA.

Travessa do Sobreiro, nº29
4755-474 Rio Côvo (Santa Eugénia)
Barcelos, Portugal

SYMBOLS LEGEND:



• Important safety notices



• Useful information



• Programming information



• Potentiometer information



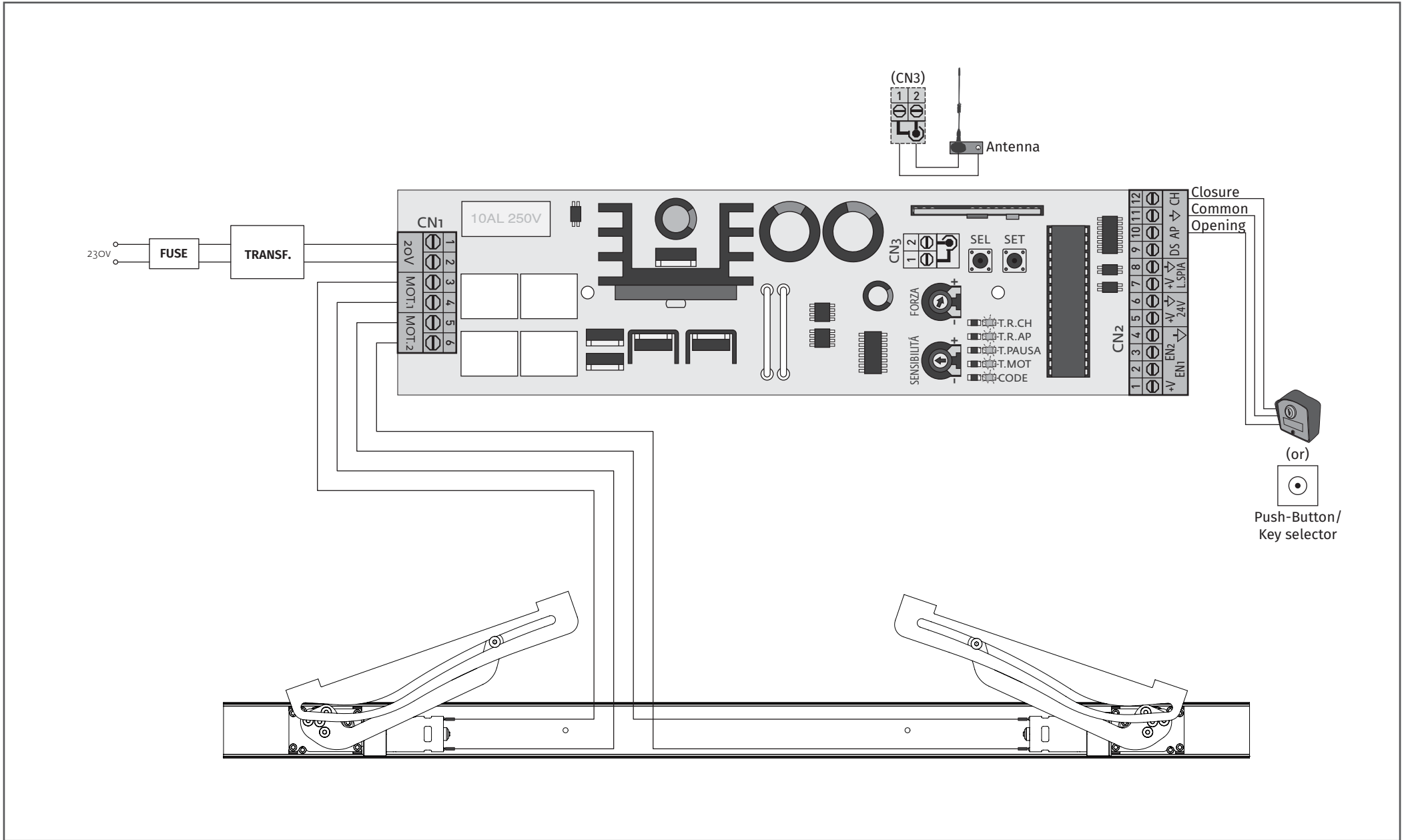
• Connectors information



• Buttons information

02. CONNECTION SCHEME

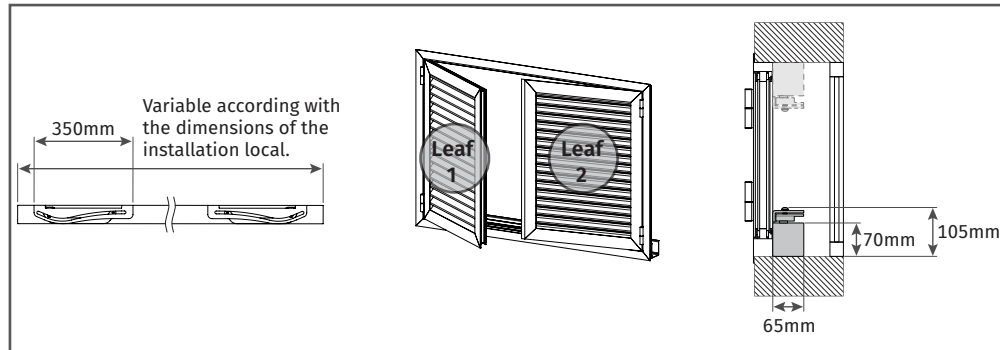
CONNECTION OF COMPONENTS TO THE CONTROL BOARD



03. OPERATOR

TECHNICAL SPECIFICATIONS

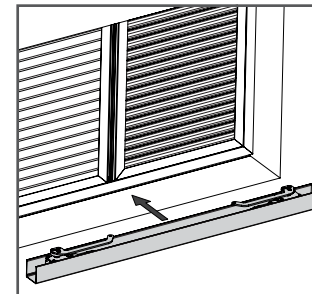
KPORTB75 is a swing shutters kit developed to apply in leaves with 2,2m² maximum.



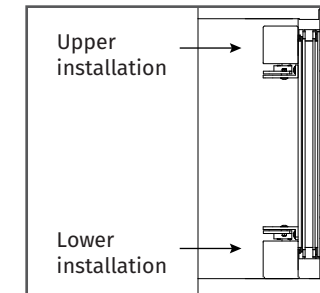
Transformer	• Primary	AC230 V 50/60Hz
	• Secondary	20 DC
	• Power	30 VA
	• Dimensions	65 x 55 x 60mm
MC18	• Motor output	24 Vdc 2x50 W máx.
	• Lightbulb output	24 Vdc 3 W máx.
	• Photocell power supply	24 Vdc 3 W máx.
	• Operating temperatures	-10 a +55 °C
	• Radio receptor	433,92 Mhz
	• OP Transmitters	12-18 Bit Rolling Code
	• Maximum memory capacity	5
	• Dimension of box	110 x 121 x 47 mm
Motor	• Power supply	24 V
	• Consumption per leaf	0.3 A
	• Force	20Nm
	• Opening/Closing time	15 secondes
	• Operating temperatures	-20 a +55°C
	• Protection class	IP32

04. INSTALLATION

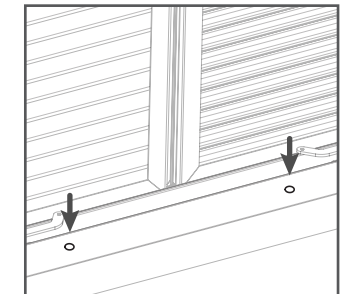
AUTOMATION INSTALLATION



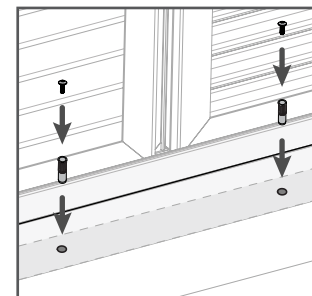
Interior view of swing shutters.



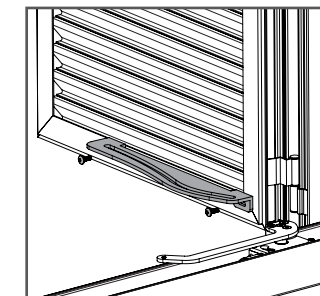
01 • Select the type of installation you want.



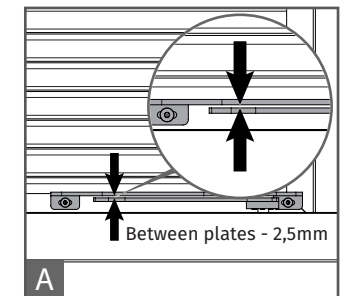
02 • With the automation's profile in the window, leaning against the shutter frame, do the marking for the holes.



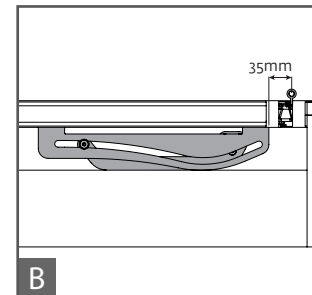
03 • Drill the holes, install the bushings, and tighten the bolts.



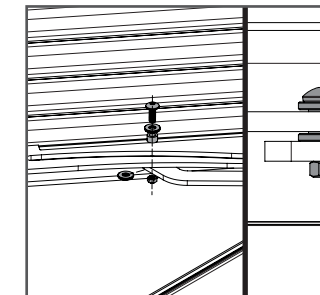
04 • After that, fix the plates on the shutters. These must be fixed using two screws, which must respect the dimensions that appear in the image **A** and **B**.



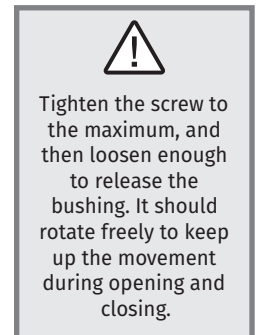
A Distance between arm and shutter plate - 2.5mm.



B Distance between the hinge and the shutter plate - 35mm.



05 • Join the arms with the shutters plates, using the fixing pieces as visible in the images above.



05. CONFIGURATION

TRANSMITTERS CONFIGURATION



• The settings should be made with the control board connected to a 20V transformer (IN: 230 OUT: 20V), supplied in kit.

• Whenever you end a configuration - T.MOT / T. PAUSE / etc, you must wait 10 seconds or press the SEL button the necessary times until all LEDs remain fixed (on or off). While some flashing LED, the control board is in programming mode.

- 01 • Press the **SEL** button once and the LED **CODE** will flash slowly.
- 02 • Press the **SEL** button again and the LED **CODE** will flash quickly.
- 03 • Press the **↑** button of transmitter to configure.
- 04 • The LED **CODE** will stop flashing and stay on, which means the success of the configuration. The transmitter is this programmed with one button opening and one button closing.



LED	LED OFF	LED ON
• CODE	No code	Insert code
• T.MOT	The time of motor 30 sec.	Programmed time
• T. PAUSA	Without automatic closure	With automatic closure
• T. R.AP	Without delay in opening	Programmed time
• T. R. CH	Without delay in closing	Programmed time

WORKING TIME PROGRAMMING



Before proceeding with programming the working time (with or without soft stop), you must define if you want the slowdown. To do so, access the extended menu 1.

ATTENTION: You have 30 seconds to select functions from the extended menu 1 (using the SEL and SET keys), before the control board returns to the main menu.

To access the extended menu 1, follow these steps:

- 01 • Press and hold the SET key for 5 seconds and the T.R.AP LED and T.R.CH LED will flash alternately.
- 02 • Check if the T.MOT LED is lit (function activated).
- 03 • Press the SEL key as many times as necessary until the T.MOT LED flashes.
- 04 • Press SET once so that the LED turns off (deactivates the function).
- 05 • Wait (20s) until the control board returns to the main menu or turns off the power.



Slowdown activated



Slowdown disabled

Working time without soft stop (starting with closed shutters):

- 01 • Put shutters in the closed position.
- 02 • Press the **SEL** button the necessary times until the LED **T. MOT** start flashing.
- 03 • Press the **SET** button once, and leaf n°1 will begin to open.
- 04 • When the leaf n°1 get to the open position, press **SET** once to save that position. The leaf n°2 will start to open immediately.
- 05 • When the leaf n°2 get to the open position, press **SET** once to save that position. This same leaf will start closing immediately.
- 06 • When the leaf n°2 get to the closed position, press **SET** once to save that position. The leaf n°1 will start closing immediately.

05. CONFIGURATION

WORKING TIME PROGRAMMING

- 07 • When the leaf n°1 get to the closed position, press **SET** once to save that position. The configuration of the time work was finished successfully.

Working time with soft stop (starting with closed shutters):

- 01 • Put shutters in the closed position.
- 02 • Press the **SEL** button the necessary times until the LED **T. MOT** start flashing.
- 03 • Press the **SET** button once, and the leaf n°1 will begin to open. Press the **SET** button again when you want that the leaf n°1 start slowdown.
- 04 • When the leaf n°1 get to the open position, press **SET** once to save that position. The leaf n°2 will start to open immediately. Press again the **SET** button when you want the leaf n°1 to start the slowdown.
- 05 • When the leaf n°2 get to the open position, press **SET** once to save that position. This same leaf will start closing immediately. Press the **SET** button again when you want the leaf n°2 to start the slowdown.
- 06 • When the leaf n°2 get to the closed position, press **SET** once to save that position. The leaf n°1 will start closing again immediately. Press the **SET** button when you want the leaf n°1 to start the slowdown.
- 07 • When the leaf n°1 get to the closed position, press **SET** once to save that position. The configuration of the time work was finished successfully.

NOTE • To put the shutters in the closed position, you have two options:

Option 1 • Disconnect the cables from the motors and the motors connect directly to a battery of 12 /24V until the doors are in closed position. Turn on again the wires to the motor, the same way they were.

Option 2 • Programming a false work time, to cause the motors to return to the closed position. At the end of this false programming, you can start over and make the correct programming.

DELAY TIME PROGRAMMING

Opening delay time programming:

- 01 • Press the **SEL** button the necessary times until the LED **T.R.AP** start flashing.
- 02 • Press the **SET** button once, wait the desired time for delay and press the **SET** button once to finish. The time that waited between the two times that you pressed the **SET** button, is the time the control board will wait from the start of the opening of the leaf 1 until the start of opening of the leaf 2. This function is especially useful when it is required that leaf 1 to start opening before the leaf 2 (see page 01.A to know how to identify leaves 1 and 2).

Closing delay time programming:

- 01 • Press the **SEL** button the necessary times until the LED **T.R.AP** start flashing.
- 02 • Press the **SET** button once, wait the desired time for delay and press the **SET** button once to finish. The time that waited between the two times when you pressed the **SET** button, is the time the control board will wait from the start of the closing of the leaf 1 until the start of closing of the leaf 2.

This function is especially useful when it is required that leaf 2 to start closing before the leaf 1 (see page 01.A to know how to identify leaves 1 and 2).

05. CONFIGURATION

PAUSE TIME PROGRAMMING

The pause time is the time that the shutter is paused since the full opening operation to begin to close automatically.

- 01 • Press the **SEL** button the necessary times until the LED **T.PAUSA** start flashing.
 - 02 • Press the **SET** button once, wait the required time to pause and press the **SET** button once more, giving as complete programming of pause time.
- The time waited between the two times you pressed the **SET** button, is the time the control board will wait since it ends the opening maneuver to automatically start closing the shutters.

POTENTIOMETERS

Power and sensitivity potentiometer adjustment:

Power potentiometer controls the power and speed of motor when opening and closing. Sensitivity potentiometer controls the sensitivity of control board in detecting obstacles. The more sensitivity the control board, the faster will detect any obstacle along the way and reverse the direction of motor operation.

- 01 • To adjust the potentiometers, just turn them with a small key. Turning to the right side, will be to increase and rotate left is decreasing.



NOTE: Whenever you make a change to the potentiometer of force has necessarily form new programming of working time (see page 4A).

DELETE TRANSMITTERS AND DEFINITIONS OF CONTROL BOARD

Delete transmitters:

- 01 • Press the **SEL** button once, and the LED **CODE** will flash slowly.
 - 02 • Press the **SEL** button again during 5 seconds to turn off the LED **CODE**.
- All commands have been deleted from the memory of control board.

Reset all original values of control board (reset):

- 01 • Press the **SEL** and **SET** buttons during 5 seconds until all the LEDs light on and then go off.



NOTE: Whenever you make a RESET to the control board, must turn off the soft-stop function that is activated by default.

- 01 • Press the **SET** button during 5 seconds until the LEDs **T.R.AP** and **T.R.CH** blink alternately and LED **T.MOT** keep on. This means you entered an extensive menu of control board.
- 02 • Press the **SEL** button until the LED **T.MOT** blinks and press the **SET** button.
- 03 • By pressing the **SET** button, the LED **T.MOT** will turn off (off soft stop).
Wait about 20 seconds until the control board get out automatically from the extensive menu where you are or turn off the power to the control board and reconnect for this out the extensive menu.