

# POLLARIS

## CONTROL BOARD FOR SLIDING GATE



**MANUAL**

**SOFT. V9**

# POLARIS 5

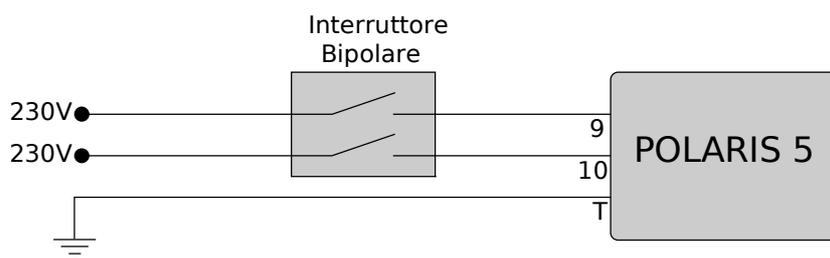
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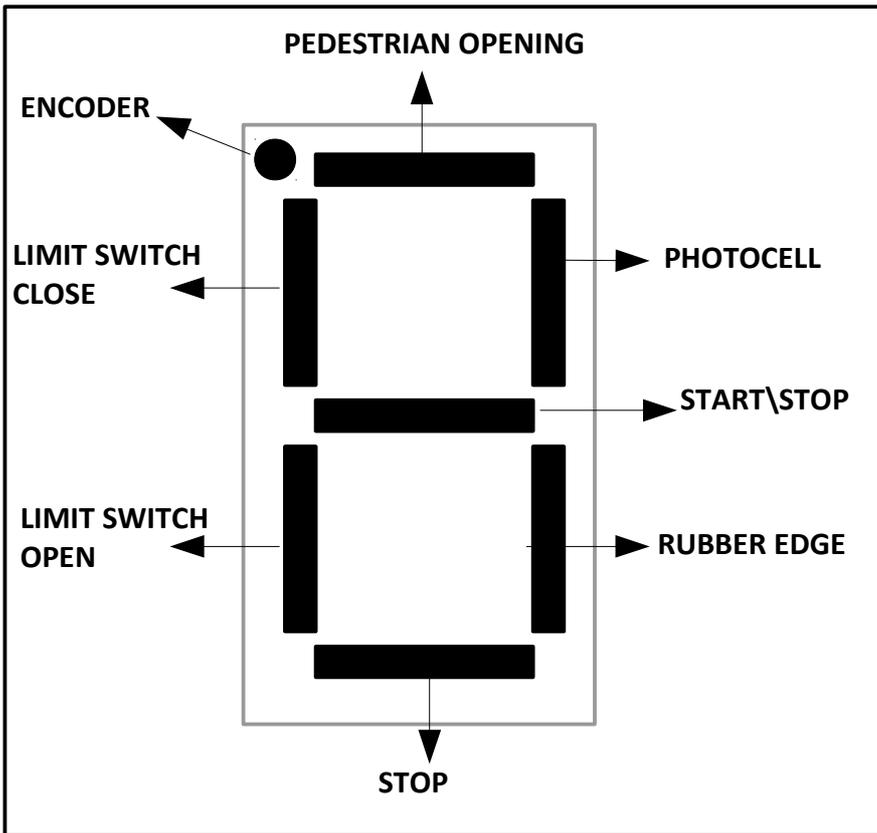
### Note:

When installing the device, insert a switch with a contact opening of at least 3mm which ensures the Equipment omni-polar disconnection from the power supply.

!!!Please read carefully this manual before proceeding with the installation of the device!!!



## DISPLAY



## LED

### LED 3: STATUS LED

- is turned off during normal control unit operations
- is alight (fixed light) when the control unit is blocked because it has failed the safety test or a motor is disconnected

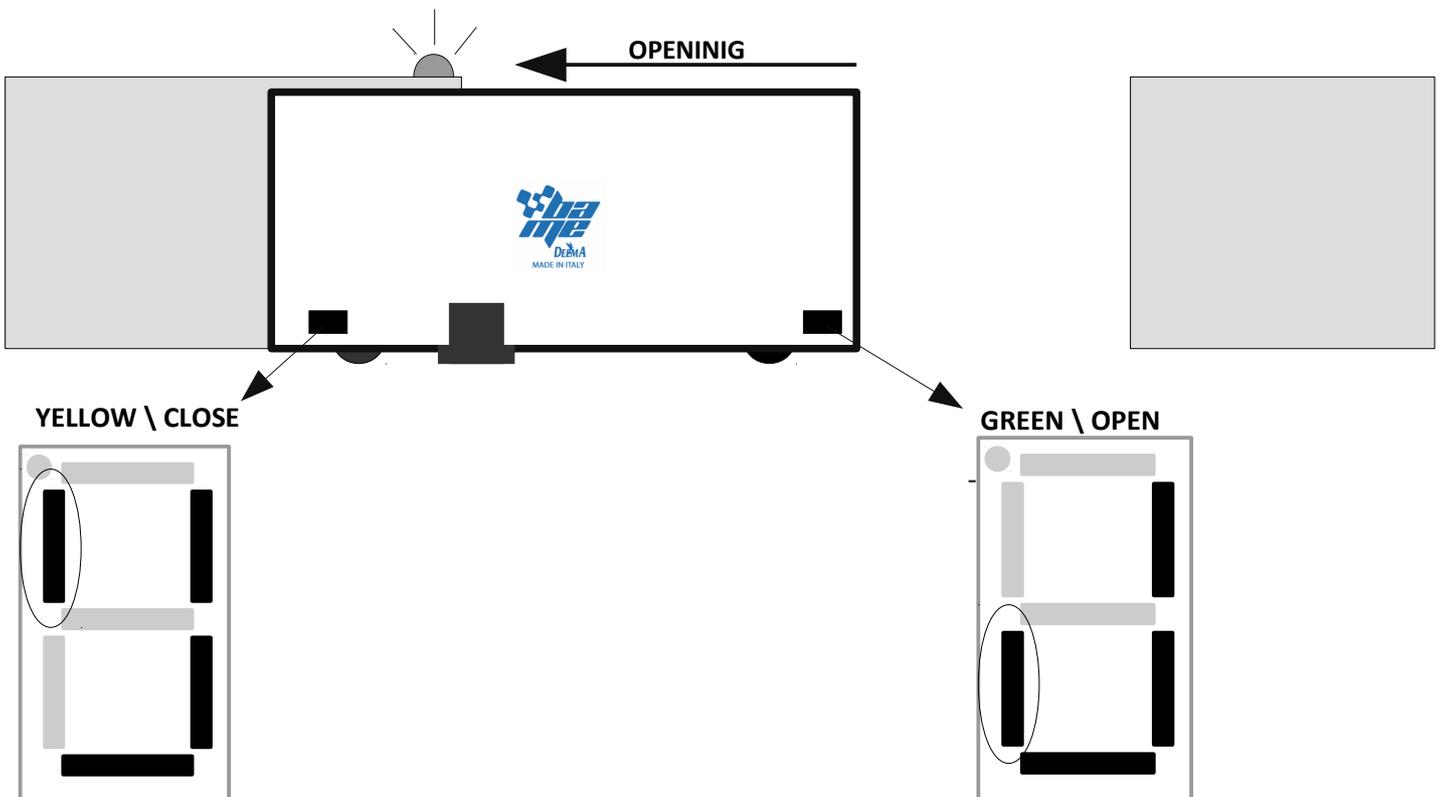
### LED 2: LED RADIO

- flashes briefly when a 433 MHz radio code is received
- is alight (fixed light) when radio codes are being memorised

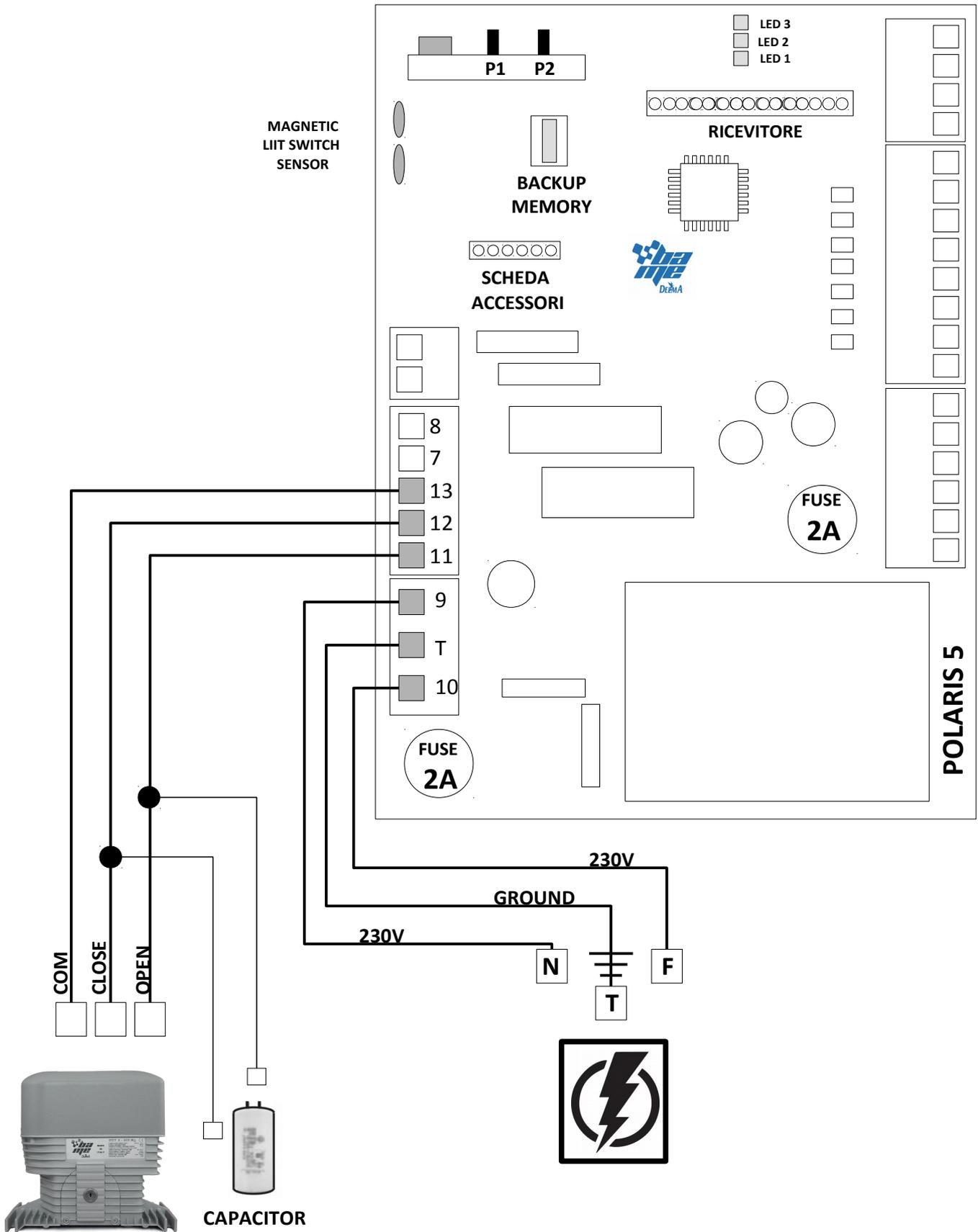
### LED 1 :PROGRAMMING LED

- flashes for 5 seconds when turned on to indicate that it is possible to enter the Professional or Simplified Learning modes.
- lights up with a fixed light while Professional or Simplified Learning are carried out.
- is turned off when the control unit functions normally.

## LIMIT SWITCH: MAGNETICAL \ MECHANICAL



# CONNECTIONS: MOTOR



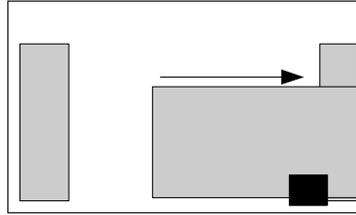
## CONNECTIONS: MOTOR

9	N	POWER SUPPLY - 230 V
T		GROUND
10	F	POWER SUPPLY - 230 V

### FURY

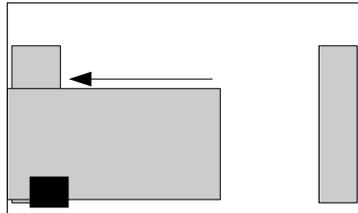
#### RIGHT OPENING

11	OPEN + CAPACITOR	BROWN
12	CLOSE + CAPACITOR	BLACK
13	COM	GREY



#### LEFT OPENING

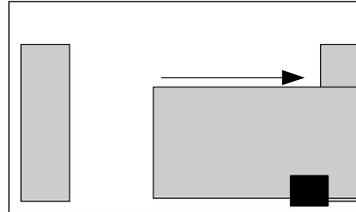
11	OPEN + CAPACITOR	BLACK
12	CLOSE + CAPACITOR	BROWN
13	COM	GREY



### ROY 4 / 6 / 9 / 12 Easy

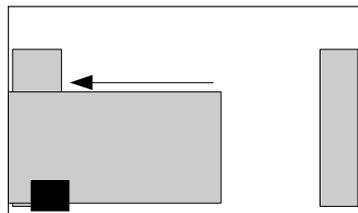
#### RIGHT OPENING

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12	CLOSE + CAPACITOR	BROWN
13	COM	GREY



#### LEFT OPENING

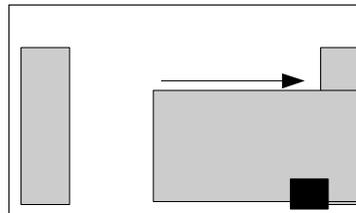
11	OPEN + CAPACITOR	BROWN
12	CLOSE + CAPACITOR	BLACK
13	COM	GREY



### ROY 16 / ROY 20

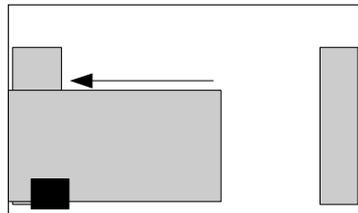
#### RIGHT OPENING

11	OPEN + CAPACITOR	BLACK
12	CLOSE + CAPACITOR	BROWN
13	COM	GREY

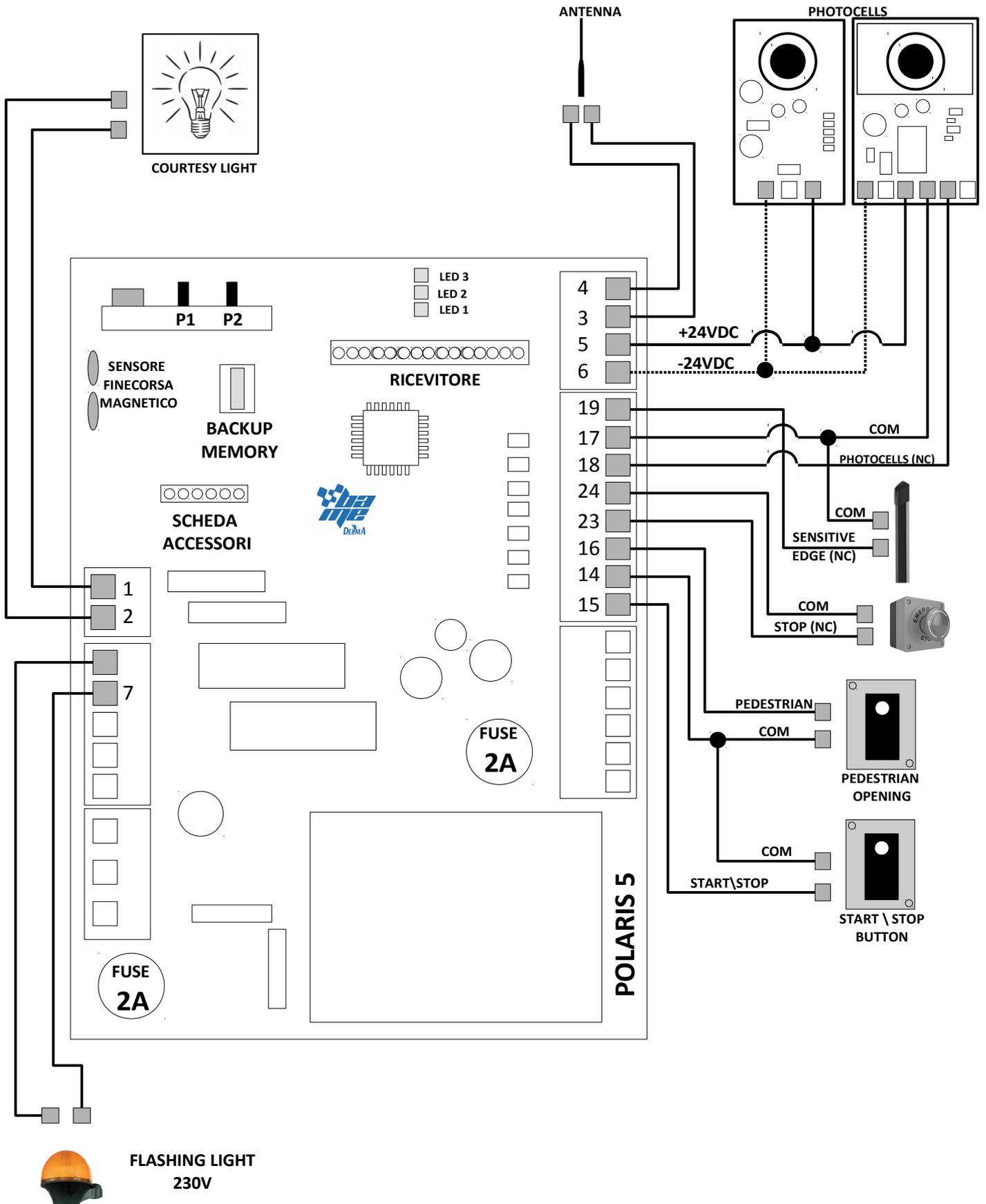


#### LEFT OPENING

11	OPEN + CAPACITOR	BROWN
12	CLOSE + CAPACITOR	BLACK
13	COM	GREY



# CONNECTIONS: ACCESSORIES



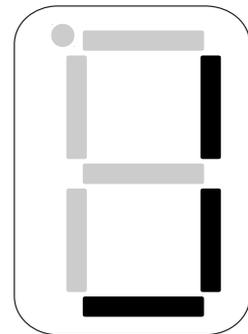
## CONNECTIONS: ACCESSORIES

5 - 6	POWER SUPPLY 24V	5. + 24VDC 6. - 24VDC
19 - 17	Rubber edge <i>( MAKE JUMPER IF NOT USED )</i>	17. Com 19. Rubber edge (NC )
18 - 17	Photocell <i>( PONTICELLARE SE NON UTILIZZATO )</i>	17. Com 18. Photocell (NC )
23 - 24	Stop <i>( PONTICELLARE SE NON UTILIZZATO )</i>	23. Stop (NC) 24. Com
15 - 14	Start \ stop	16. Start \ stop (NO) 14. Com
16 - 14	Pedestrian opening	16. Pedestrian (NO) 14. Comune
3 - 4	Antenna	3. Antenna 4. Calza metallica
1 - 2	Courtesy light	Dry contact MAX 230V - 5A
20 - 21 - 22	Mechanical limit switch	20. Com 21. Opening limit switch (NC) 22. Closing limit switch (NC)

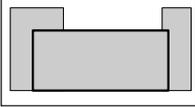
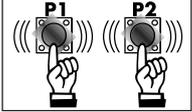
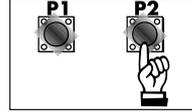
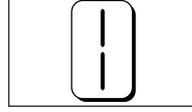
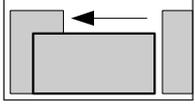
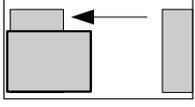
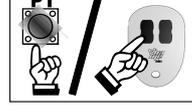
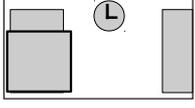
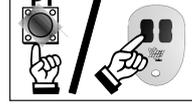
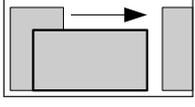
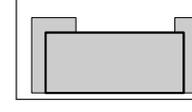
At the end of the connection operations, check that the Segments on the display

- STOP
- PHOTOCCELL
- SAFETY EDGE

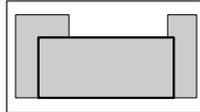
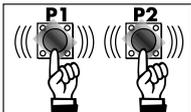
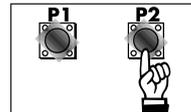
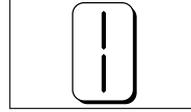
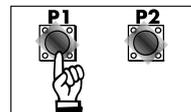
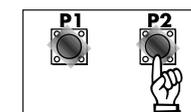
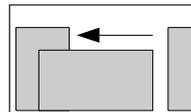
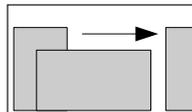
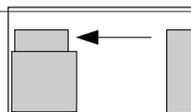
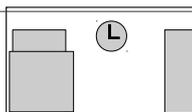
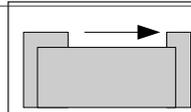
are accessed as in the figure



**The technician set manually the slow down point**

1	Power the control board. Set the gate in the closing position		
2	Memorize the remote control Param. C1		
3	Press P1 and P2 simultaneously for three seconds to begin programming the board.		
4	Letter A appear on the display.		
5	Press P2 to confirm.		
6	The number 1 appear on the display.		
7	Push P1 or the button of the remote memorized to start OPENING gate		
8	Push P1 or the button of the remote memorized when you want start the slow down		
9	Wait that the gate opens completely. The reclosing is automatic.		
10	Push P1 or the button of the remote memorized when you want start the slowing down		
11	Wait the complete closing of the gate. The board goes out automatically from the programming.		

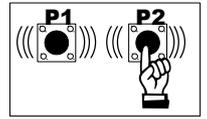
**Automatic learning of working time with slow down**

1	Power the control board. Set the gate in the closing position	 
2	Memorize the remote control Param. C1	
3	Press P1 and P2 simultaneously for three seconds to begin programming the board.	
4	Letter A appear on the display.	
5	Press P2 to confirm.	
6	The number 1 appear on the display.	
7	Scroll the menu with P1 up to number 2	 
8	Press P2 to confirm. The display start blinking. Press P2 to start programmation	 
9	. Gate performs a slow <b>opening</b> movement  <b>IF THE GATE START IN THE WRONG DIRECTION, REMOVE POWER SUPPLY, AND REVERSE THE MOTOR'S CABLES ON CLAMMPS 11-12</b>  . Gate performs a slow closing movement	 
10	.Gate performs a complete opening movement . Automatically the gate start closing	 
11	.Gate performs a complete closing movement	

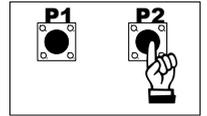
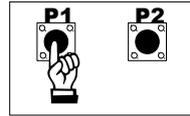
## t1 : Torque setting for normal working phase

DISPLAY	
0	MAX
...	...
9	MIN

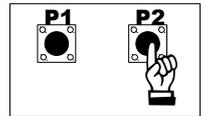
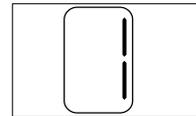
Press P1 and P2 simultaneously for three seconds to begin programming the board



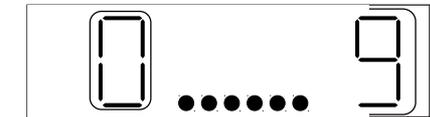
2. Letter A appear on the display. Scroll the menu with P1 until letter T appears on the display. Press P2 to confirm.



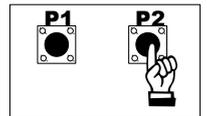
3. Display shows 1  
Press P2 to confirm.



4. Scroll the value from 0 to 9 with P1 until the desired value.



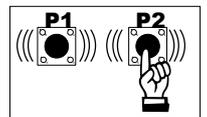
5. Press P2 to confirm.



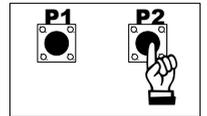
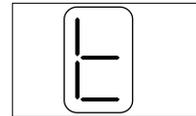
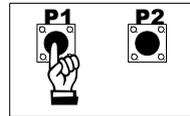
## t2 : Motor torque during slow down

DISPLAY	
0	MAX
...	...
9	MIN

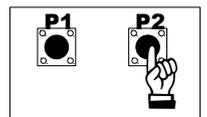
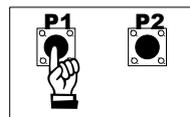
Press P1 and P2 simultaneously for three seconds to begin programming the board



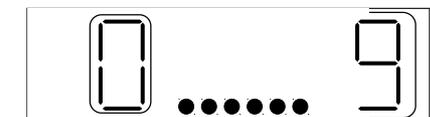
2. Letter A appear on the display. Scroll the menu with P1 until letter **t** appears on the display. Press P2 to confirm.



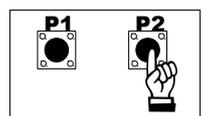
3. Display shows 1. Press P1 to scroll the values up to **2**  
Press P2 to confirm.



4. Scroll the value from 0 to 9 with P1 until the desired value.



5. Press P2 to confirm.

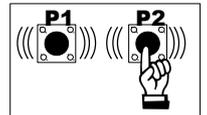


## t3 : EXTRA-TIME

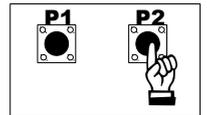
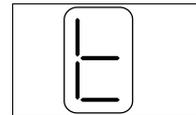
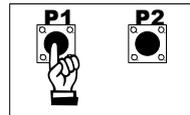
Parameter t3 increases the thrust time of the motor during the closing by adding extra time to the programmed time. It is useful to compensate for any differences in the times opening and closing times in hydraulic motors or in the case of gates not perfectly functioning or balanced

DISPLAY	SECOND
0	0,5
1	1
2	1,5
3	2
4	2,5
5	3
6	3,5
7	4
8	4,5
9	5

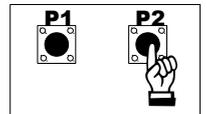
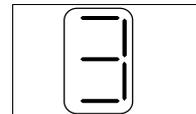
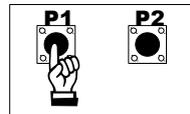
Press P1 and P2 simultaneously for three seconds to begin programming the board



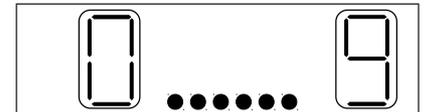
2. Letter A appear on the display. Scroll the menu with P1 until letter **t** appears on the display. Press P2 to confirm.



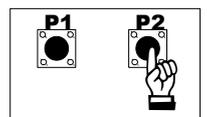
3. Display shows 1. Press P1 to scroll the values up to **3**  
Press P2 to confirm.



4. Scroll the value from 0 to 9 with P1 until the desired value.



5. Press P2 to confirm.



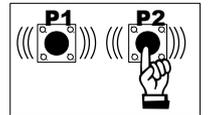
## t4: Automatic closing by photocell

Parameter t4 defines the reclosing time of the gate via the photocell, i.e., once the latter has been passed through, the gate closes without respecting the reclosing time set in parameter t5.

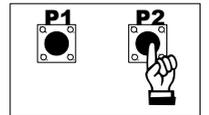
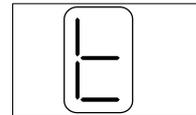
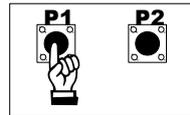
The reclosing time via the photocell can be set between a minimum of 3 seconds and a maximum of 27 seconds, or this function can be disabled as shown in the table:

DISPLAY	SECONDS
0	DISABLED
1	3
2	6
3	9
4	12
5	15
6	18
7	21
8	24
9	27

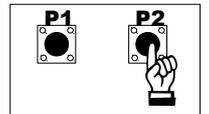
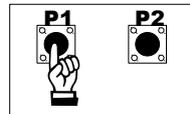
Press P1 and P2 simultaneously for three seconds to begin programming the board



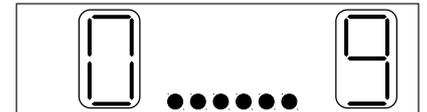
2. Letter A appear on the display. Scroll the menu with P1 until letter **t** appears on the display. Press P2 to confirm.



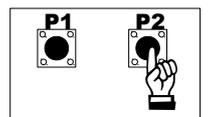
3. Display shows 1. Press P1 to scroll the values up to **4**. Press P2 to confirm.



4. Scroll the value from 0 to 9 with P1 until the desired value.



5. Press P2 to confirm.

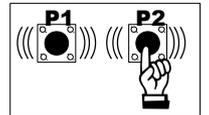


## t5: Automatic closing time

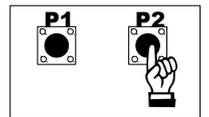
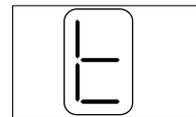
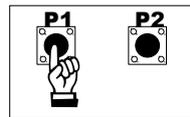
Parameter t5 defines the reclosing time of the gate

DISPLAY	SECONDS
0	DASIBLED
1	10
2	20
3	30
4	45
5	60
6	90
7	120
8	180
9	240

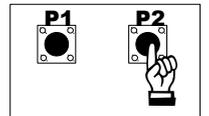
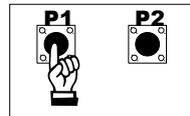
Press P1 and P2 simultaneously for three seconds to begin programming the board



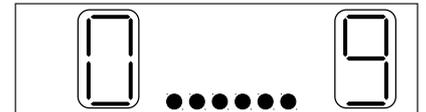
2. Letter A appear on the display. Scroll the menu with P1 until letter **t** appears on the display. Press P2 to confirm.



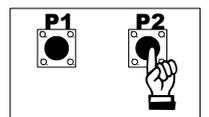
3. Display shows 1. Press P1 to scroll the values up to **5**. Press P2 to confirm.



4. Scroll the value from 0 to 9 with P1 until the desired value.



5. Press P2 to confirm.

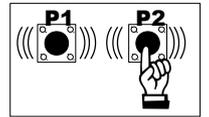


## t6: Courtesy light

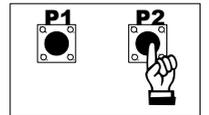
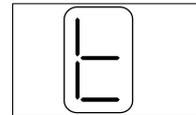
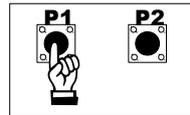
Parameter t6 handles the timing of the courtesy light.

DISPLAY	SECONDS
0	Open gate alert
1	30
2	60
3	90
4	120
5	150
6	180
7	210
8	240
9	270

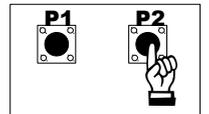
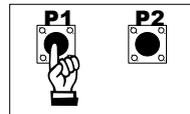
Press P1 and P2 simultaneously for three seconds to begin programming the board



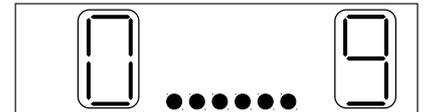
2. Letter A appear on the display. Scroll the menu with P1 until letter **t** appears on the display. Press P2 to confirm.



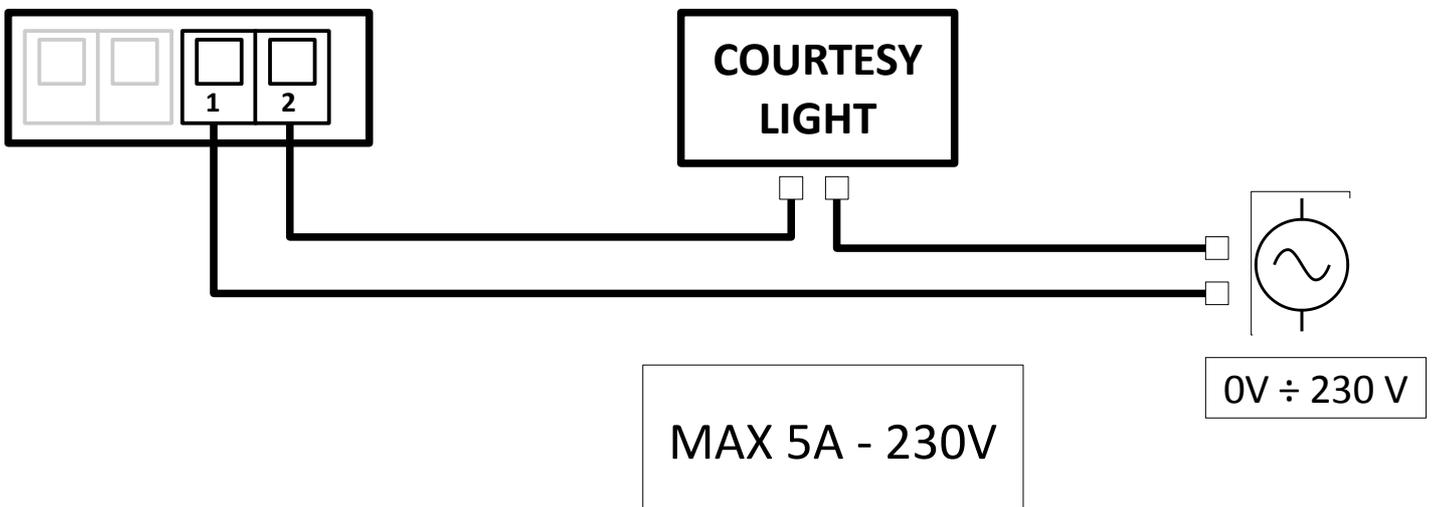
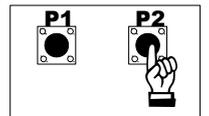
3. Display shows 1. Press P1 to scroll the values up to **6**. Press P2 to confirm.



4. Scroll the value from 0 to 9 with P1 until the desired value.



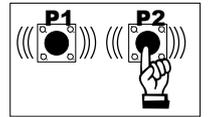
5. Press P2 to confirm.



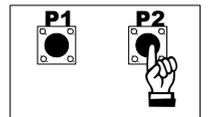
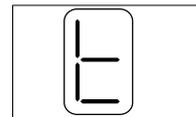
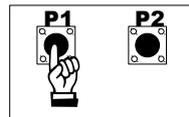
## t7: Pedestrian opening

DISPLAY	SECONDS
0	0
1	2
2	4
3	6
4	8
5	10
6	12
7	14
8	16
9	18

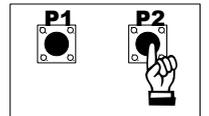
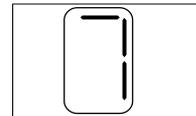
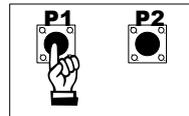
Press P1 and P2 simultaneously for three seconds to begin programming the board



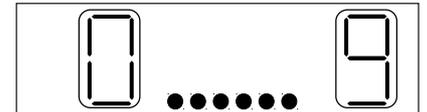
2. Letter A appear on the display. Scroll the menu with P1 until letter **t** appears on the display. Press P2 to confirm.



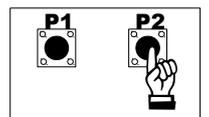
3. Display shows 1. Press P1 to scroll the values up to **7**  
Press P2 to confirm.



4. Scroll the value from 0 to 9 with P1 until the desired value.



5. Press P2 to confirm.



## 18: FRENO MOTORE

The motor brake it is used to stop the movement of the gate after the intervention of a Stop command or limit switch command.

Value goes from 0 to 9

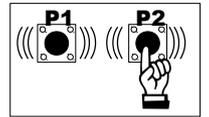
0 = brake OFF

1 = braking of 30ms

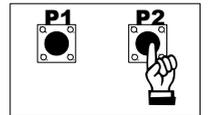
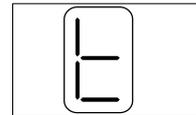
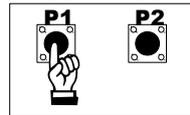
9 = braking of 270ms

DISPLAY	MILLISECONDS
0	DISABLED
1	30
2	60
3	90
4	120
5	150
6	180
7	210
8	240
9	270

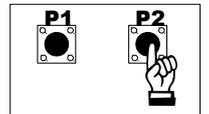
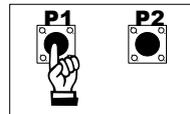
Press P1 and P2 simultaneously for three seconds to begin programming the board



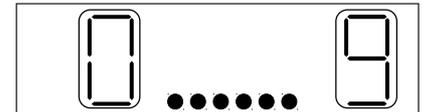
2. Letter A appear on the display. Scroll the menu with P1 until letter **t** appears on the display. Press P2 to confirm.



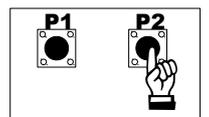
3. Display shows 1. Press P1 to scroll the values up to **8**. Press P2 to confirm.



4. Scroll the value from 0 to 9 with P1 until the desired value.



5. Press P2 to confirm.

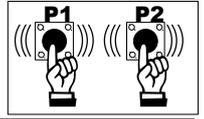


## REMOTE CONTROL

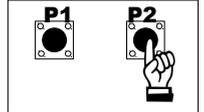
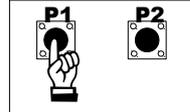


### C1: STEP BY STEP \_ ( open \ sto \ close \ stop \ open ... )

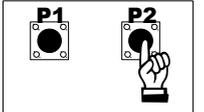
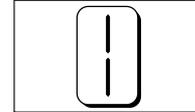
Press P1 and P2 simultaneously for three seconds to begin programming the board



2. Letter **A** appear on the display. Scroll the menu with P1 until letter **C** appears on the display. Press P2 to confirm.



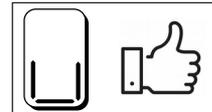
3. Display shows 1.  
Press P2 to confirm.



4. Display shows **0**  
Press the button of the remote control

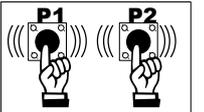


5. If the display shows **U** the remote has been programmed  
Add other remotes  
Press P1 + P2 to exit the programmation

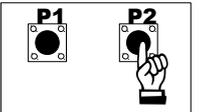
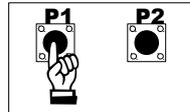


### C2: OPEN \_ ( The remote opens only, it closes by automatic closing if setted )

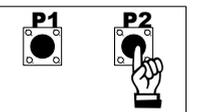
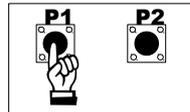
Press P1 and P2 simultaneously for three seconds to begin programming the board



2. Letter **A** appear on the display. Scroll the menu with P1 until letter **C** appears on the display. Press P2 to confirm.



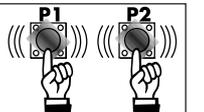
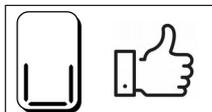
3. Display shows 1. Scroll the values with P1 up to **2**  
Press P2 to confirm.



4. Display shows **0**  
Press the button of the remote control

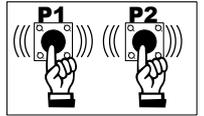


5. If the display shows **U** the remote has been programmed  
Add other remotes  
Press P1 + P2 to exit the programmation

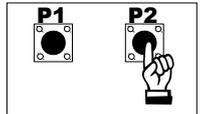
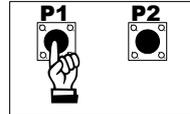


### C3: Pedestrian opening \_ ( open \ sto \ close \ stop \ open ... )

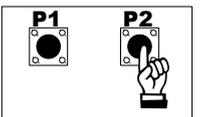
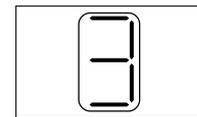
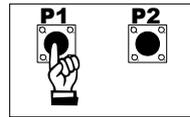
Press P1 and P2 simultaneously for three seconds to begin programming the board



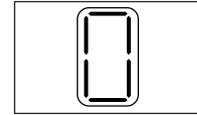
2. Letter A appear on the display. Scroll the menu with P1 until letter C appears on the display. Press P2 to confirm.



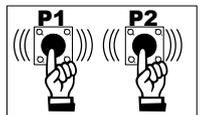
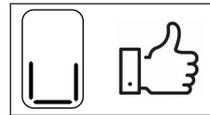
3. Display shows 1. Scroll the values with P1 up to 3 Press P2 to confirm.



4. Display shows 0 Press the button of the remote control

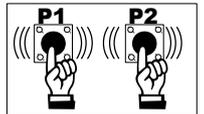


5. If the display shows U the remote has been programmed  
Add other remotes  
Press P1 + P2 to exit the programming

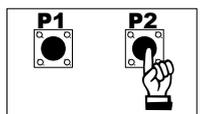
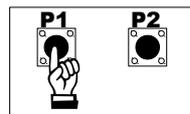


### C4: Courtesy light

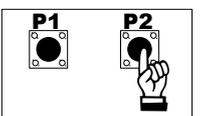
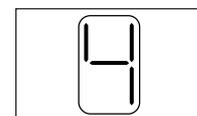
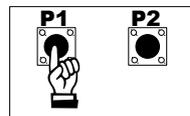
Press P1 and P2 simultaneously for three seconds to begin programming the board



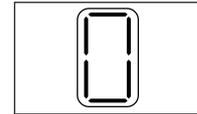
2. Letter A appear on the display. Scroll the menu with P1 until letter C appears on the display. Press P2 to confirm.



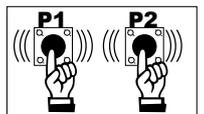
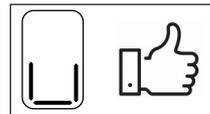
3. Display shows 1. Scroll the values with P1 up to 4 Press P2 to confirm.



4. Display shows 0 Press the button of the remote control



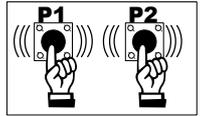
5. If the display shows U the remote has been programmed  
Add other remotes  
Press P1 + P2 to exit the programming



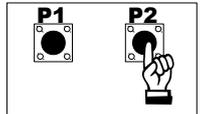
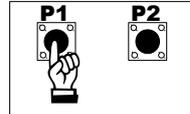
## C5: Reset remote control memory

**This operation erases all codes in memory.**

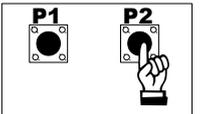
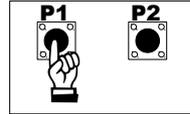
Press P1 and P2 simultaneously for three seconds to begin programming the board



2. Letter **A** appear on the display. Scroll the menu with P1 until letter **C** appears on the display. Press P2 to confirm.



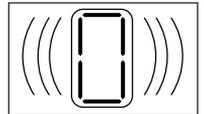
3. Display shows 1. Scroll the values with P1 up to **5**  
Press P2 to confirm.



4. Display shows **0**  
Press P1 + P2 to confirm



5. Display start blinking  
Automatically the control board exit



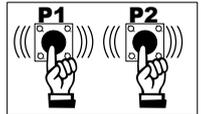
# SECONDARY FUNCTIONS

## F1 : Encoder

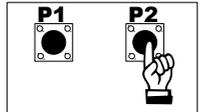
0 = DISABLED

1 = ENABLED

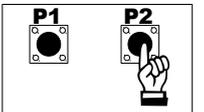
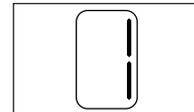
Press P1 and P2 simultaneously for three seconds to begin programming the board



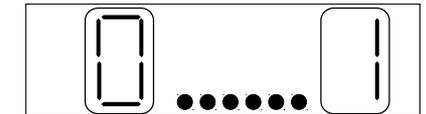
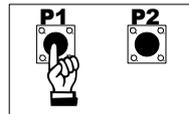
2. Letter A appear on the display. Scroll the menu with P1 until letter **F** appears on the display. Press P2 to confirm.



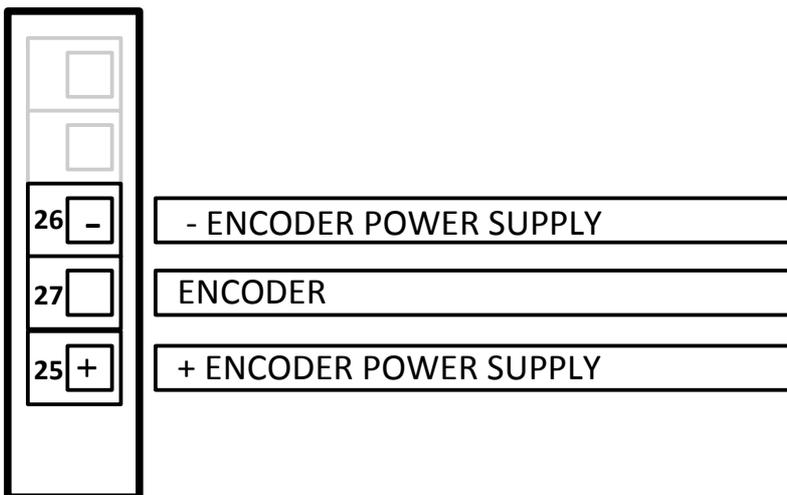
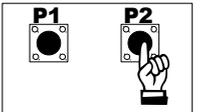
3. Display shows 1.  
Press P2 to confirm.



4. Scroll the value from 0 to 1 with P1 until the desired value.



5. Press P2 to confirm.



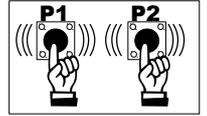
## F2 : Pre blinking

It is possible to enable or disable the pre-blinking in the opening and closing phase

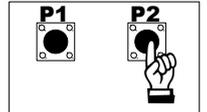
0 = DISABLED

1 = ENABLED

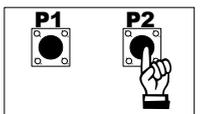
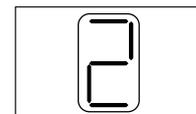
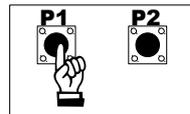
Press P1 and P2 simultaneously for three seconds to begin programming the board



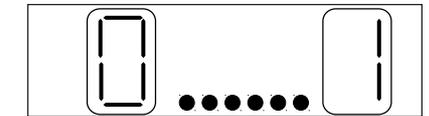
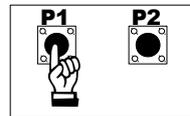
2. Letter A appear on the display. Scroll the menu with P1 until letter **F** appears on the display. Press P2 to confirm.



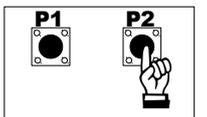
3. Display shows 1. Press P1 to scroll the values up to **2**  
Press P2 to confirm.



4. Scroll the value from 0 to 1 with P1 until the desired value.



5. Press P2 to confirm.



## F3 : Photocell enabled during opening

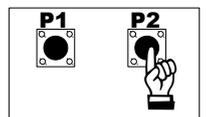
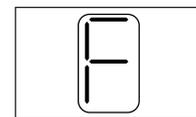
0 = DISABLED

1 = ENABLED

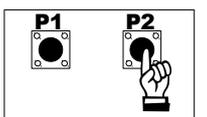
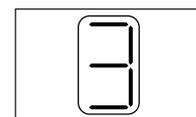
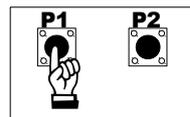
Press P1 and P2 simultaneously for three seconds to begin programming the board



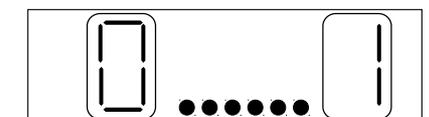
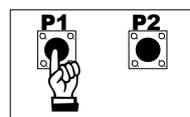
2. Letter A appear on the display. Scroll the menu with P1 until letter **F** appears on the display. Press P2 to confirm.



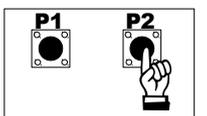
3. Display shows 1. Press P1 to scroll the values up to **3**  
Press P2 to confirm.



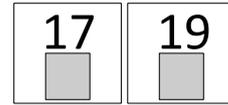
4. Scroll the value from 0 to 1 with P1 until the desired value.



5. Press P2 to confirm.

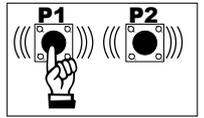


## F4 : Sensitive edges

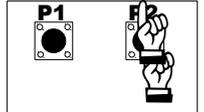


- 0 = SENSITIVE EDGE (NC )
- 1 = SENSITIVE EDGE 8K2
- 2 = SENSITIVE EDGE 4K1

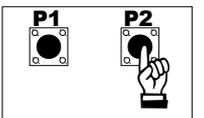
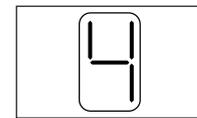
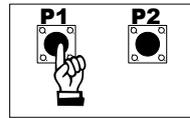
Press P1 and P2 simultaneously for three seconds to begin programming the board



2. Letter A appear on the display. Scroll the menu with P1 until letter **F** appears on the display. Press P2 to confirm.



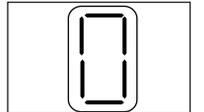
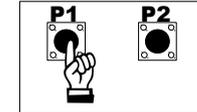
3. Display shows 1. Press P1 to scroll the values up to **4** Press P2 to confirm.



### 4. SENSITIVE EDGE (NC )

Display shows 0.

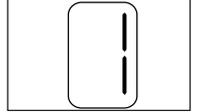
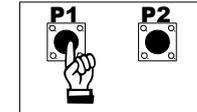
*19 \_ SENSITIVE EDGE (NC)*  
*17 \_ COMUNE*



### 4. SENSITIVE EDGE 8K2

Press P1 to scroll to nr. **1**.

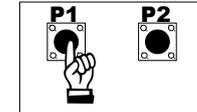
*19 \_ SENSITIVE EDGE (NC)*  
*17 \_ COMUNE*



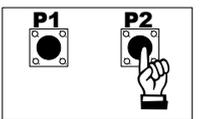
### 4. SENSITIVE EDGE 4K1

Press P1 to scroll to nr. **2**

*19 \_ SENSITIVE EDGE (NC)*  
*17 \_ COMUNE*



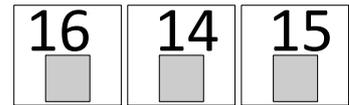
5. Press P2 to confirm.



4. Scroll the value from 0 to 9 with P1 until the desired value.

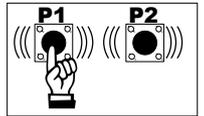
5. Press P2 to confirm.

## F5 : CONFIGURAZIONE INGRESSO START

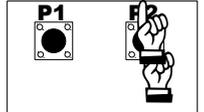


- 0 = START \ PEDESTRIAN
- 1 = OPEN \ CLOSE
- 2 = START \ OPEN
- 3 = OPEN \ CLOSE (MAN PRESENT)
- 4 = OPEN – CLOSE ( TIMER \ CLOCK )

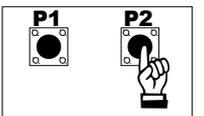
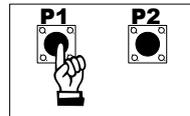
Press P1 and P2 simultaneously for three seconds to begin programming the board



2. Letter A appear on the display. Scroll the menu with P1 until letter **F** appears on the display. Press P2 to confirm.

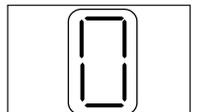
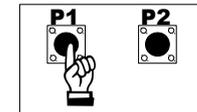


3. Display shows 1. Press P1 to scroll the values up to **5** Press P2 to confirm.



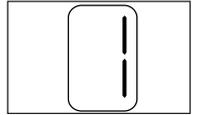
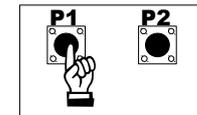
4. **START \ PEDESTRIAN**  
Display shows 0.

15 \_ START (NO)  
16 \_ COM  
14 \_ PEDESTRIAN (NO)



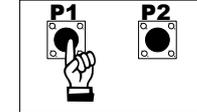
4. **OPEN \ CLOSE**  
Press P1 to scroll to nr. 1.

15 \_ OPEN (NO)  
16 \_ COM  
14 \_ CLOSE (NO)



4. **STEP BY STEP \ OPEN**  
Press P1 to scroll to nr. 2

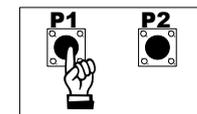
15 \_ START (NO)  
16 \_ COM  
14 \_ OPEN (NO)



4. **OPEN \ CLOSE (MAN PRESENT)**  
Press P1 to scroll to nr. 3

15 \_ OPEN (NO)  
16 \_ COM  
14 \_ CLOSE (NO)

*The buttons OPEN\CLOSE must be pressed until reaching the open\close limit switch*

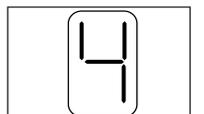
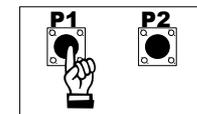


4. **OPEN – CLOSE ( TIMER \ CLOCK )**  
Press P1 to scroll to nr. 4

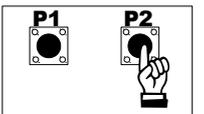
15 \_ OPEN ( CLOCK \ TIMER (NO)  
16 \_ COM  
14 \_ CLOSE (NO)

*On the input OPEN, it is possible to connect a timer\clock.*

*Until the input is close from the timer, the gate is open and flashing light is off. When the contact has been released, the gate start closing after the pre-set automatic closing time*



5. Press P2 to confirm.



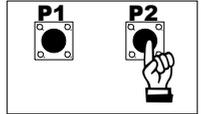
## F6 : Reset of the control board

This function will reset all parameters to default settings without deleting the remote controls codes.

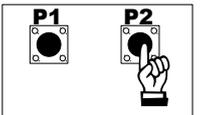
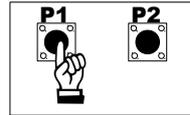
Press P1 and P2 simultaneously for three seconds to begin programming the board



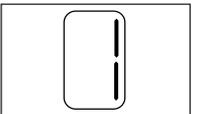
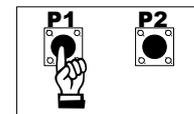
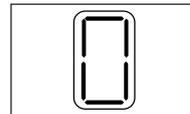
2. Letter **A** appear on the display. Scroll the menu with P1 until letter **F** appears on the display.  
Press P2 to confirm.



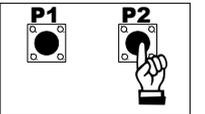
3. Display shows 1. Press P1 to scroll the values up to **6**  
Press P2 to confirm.



4. Display shows **0**.  
Press P1 to scroll to **1**



5. Press P2 to confirm.  
Reset completed



## F7 : Security test

The control unit has a self-test function of the safeties connected to the Input PHOTOCELL of the control unit; it switches off the transmitter to check the commutation of the corresponding receiver contact before the execution of each manoeuvre.

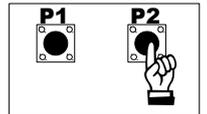
**0 = DISABLED**

**1 = ENABLED**

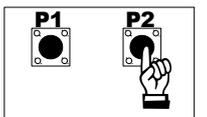
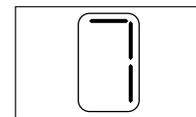
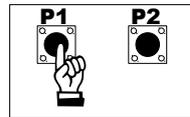
Press P1 and P2 simultaneously for three seconds to begin programming the board



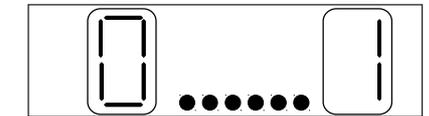
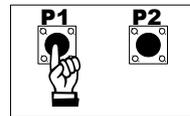
2. Letter A appear on the display. Scroll the menu with P1 until letter **F** appears on the display. Press P2 to confirm.



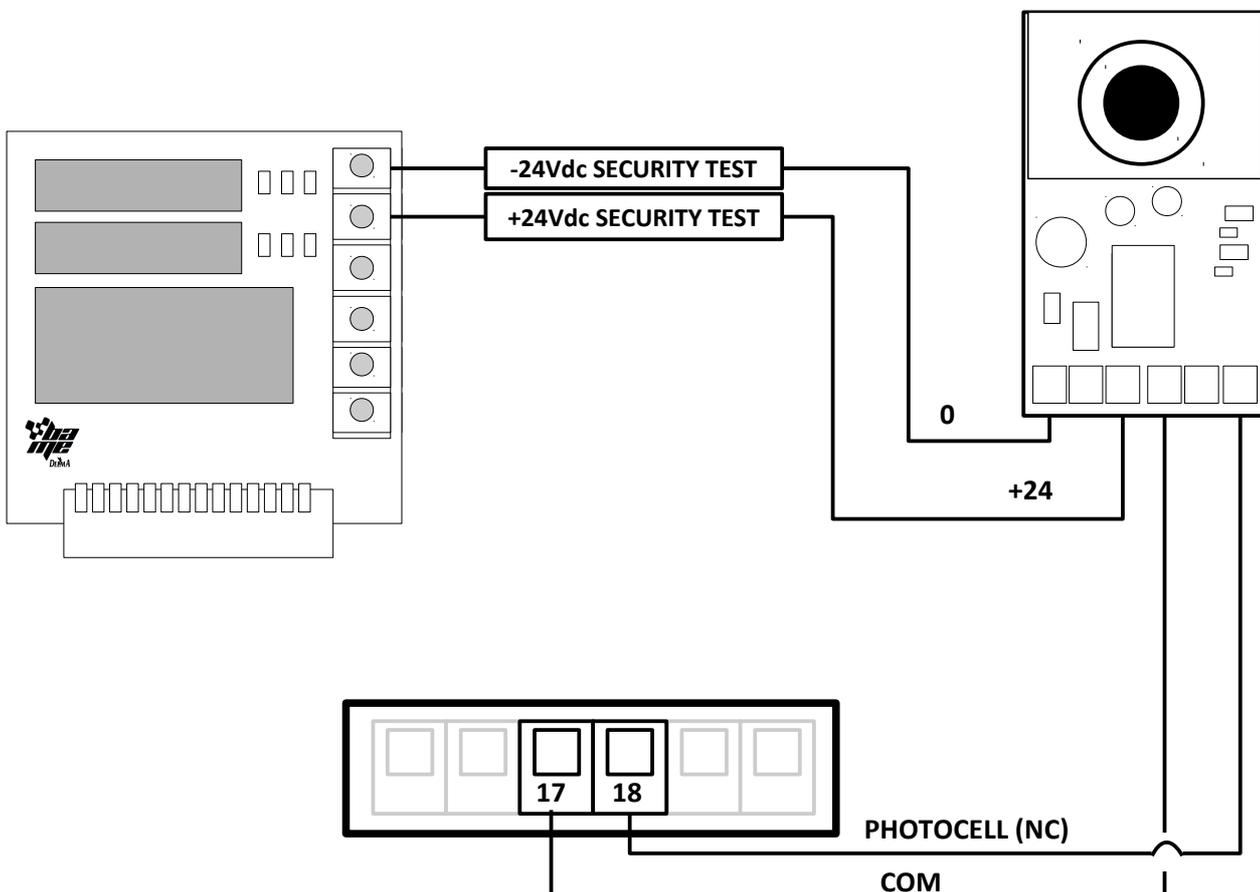
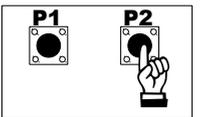
3. Display shows 1. Press P1 to scroll the values up to **7** Press P2 to confirm.



4. Scroll the value from 0 to 1 with P1 until the desired value.



5. Press P2 to confirm.

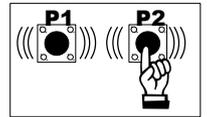


## F8: Sensitivity – obstacle detection

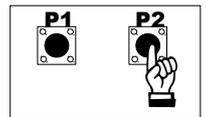
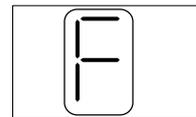
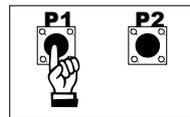
This parameter is used to adjust at the same time the delay time of intervention after an obstacle has been detected.

DISPLAY	SECONDI
0	0,5
1	0,65
2	0,8
3	1
4	1,15
5	1,30
6	1,45
7	1,60
8	1,75
9	2

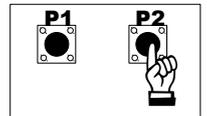
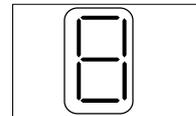
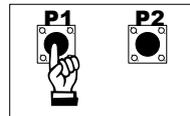
Press P1 and P2 simultaneously for three seconds to begin programming the board



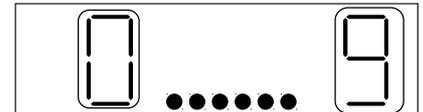
2. Letter A appear on the display. Scroll the menu with P1 until letter **F** appears on the display. Press P2 to confirm.



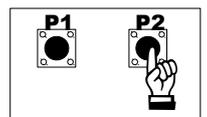
3. Display shows 1. Press P1 to scroll the values up to **8**. Press P2 to confirm.



4. Scroll the value from 0 to 9 with P1 until the desired value.



5. Press P2 to confirm.



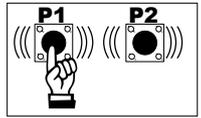
## F9 : Limit switch

0 = MAGNETICAL \_ *DEFAULT*  
 1 = MECHANICAL

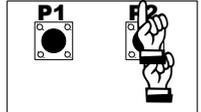
0 = MAGNETICAL

1 = MECHANICAL

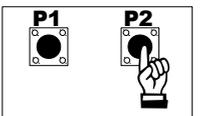
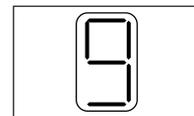
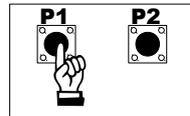
Press P1 and P2 simultaneously for three seconds to begin programming the board



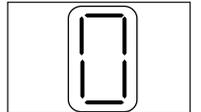
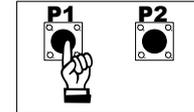
2. Letter A appear on the display. Scroll the menu with P1 until letter **F** appears on the display. Press P2 to confirm.



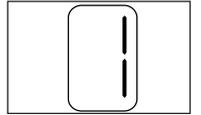
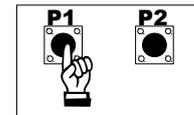
3. Display shows 1. Press P1 to scroll the values up to **9** Press P2 to confirm.



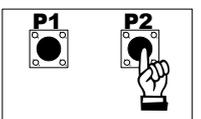
4. **MAGNETICAL**  
 Display shows 0



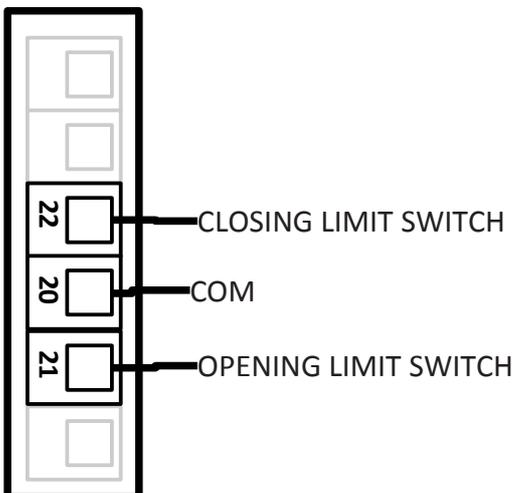
4. **MECHANICAL**  
 Press P1 to scroll to nr. **1**.



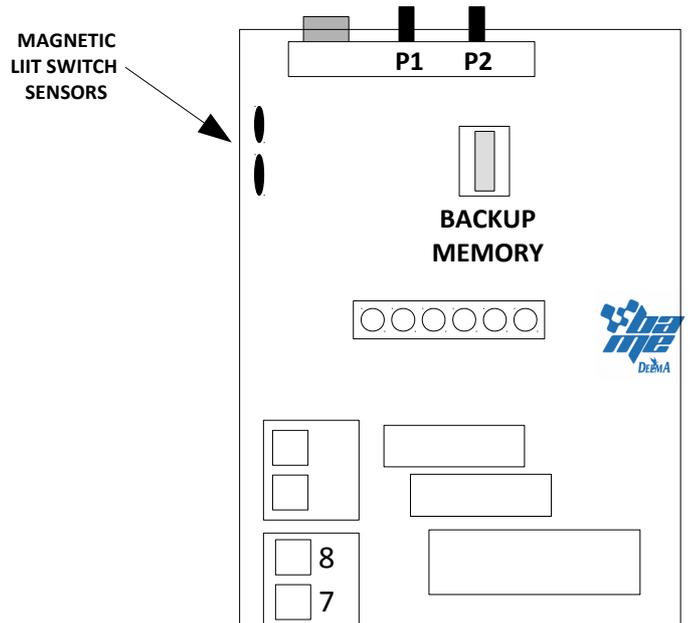
5. Press P2 to confirm.



### MECHANICAL



### MAGNETICAL



## ACCESSORIES CONTROL BOARD

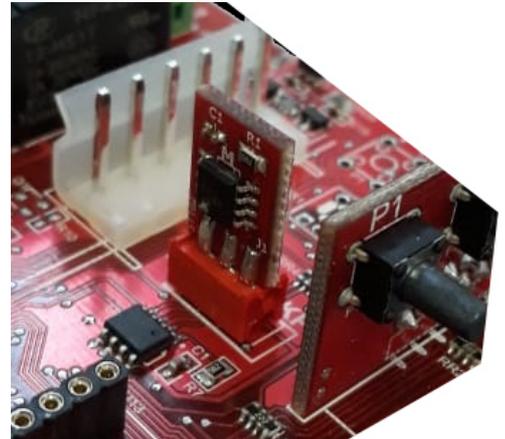
### BACKUP MEMORY

Inside there are all remote controls code and working Time.

Everytime one new remote control is memorized, automatically it is transfered to the backup memory

TRANSFER ALL DATA FROM THE BACKUP MEMORY

- . Remove power supply
- . Insert backup memory
- . Give power to the board
- . When all the leds are off, press and keep pressed the button P1 for 5 sec.

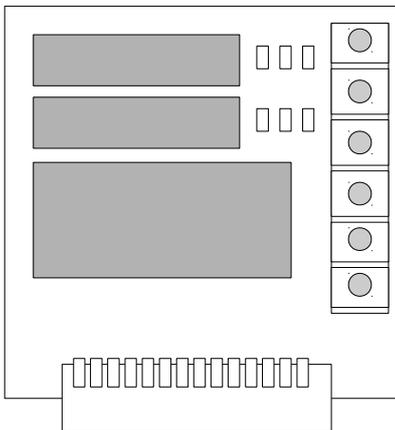


Automatically the board check the memory and tranfers the contents

## LIGHTS CONTROL BOARD

IT IS POSSIBLE TO HAVE 2 DRY CONTACTS TO HANDLE TRAFFIC LIGHTS CONNECTED WITH LIMIT SWITCHES

IT IS ALSO USED FOR SECURITY TEST PARAM. F7



-24Vdc SECURITY TEST	DRY CONTACT NOT POWERED  MAX 5A - 230V
+24Vdc SECURITY TEST	
- GREEN LIGHT	
+ GREEN LIGHT	
- RED LIGHT	
+ RED LIGHT	

## **WARNINGS!!!**

OUR COMPANY, AS MANUFACTURER, CAN NOT BE HELD RESPONSIBLE FOR DAMAGES DUE TO WRONG OR MISSING CONNECTIONS OR DUE TO AN IMPROPER SETTING.

THE SAFETY DEVICES SHOULD BE ALWAYS INSTALLED AND KEPT IN FULL WORKING ORDER.

ONCE TERMINATED THE SYSTEM SETTING, YOU SHOULD PLACE BACK THE CONTAINER ON ITS POSITION, FASTENING TIGHT ITS SCREWS.

OUR COMPANY, AS MANUFACTURER, CAN NOT BE HELD RESPONSIBLE FOR DAMAGES DUE TO IMPROPER USE OF THE DOOR/GATE.

IT IS FORBIDDEN TO REPLACE ANY ELECTRIC, ELECTRONIC OR MECHANIC PART WITH NOT ORIGINAL OUR COMPANY SPARE PARTS.

OUR COMPANY, HAS THE RIGHT TO MODIFY OR CHANGE THE ELECTRONIC BOARDS AND MANUALS, WITHOUT PRIOR NOTICE.

ALWAYS REGULATE ACCURATELY THE TORQUE OF THE MOTORS. AN INCORRECT SETTING OF THE TORQUE, MAY CAUSE DAMAGE TO PEOPLE, ANIMALS OR OBJECTS.

## **WARRANTY:**

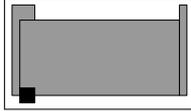
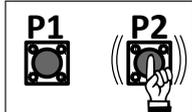
Our company devices and accessories are for a period 24 months after production, whose date is printed on each item. Our company will replace or repair its devices, provided that they are returned to our plant.

In order to check the actual functioning of the returned pieces, they will remain the property of the manufacturer. The warranty does not include damages due to any incorrect use, such as: non-fulfilment of the instruction detailed for each device, maintenance and repairing carried out without the previous written consent of our company. Moreover, warranty does not cover any damage due to wrong tension supply and any other reason for which the manufacturer cannot be made responsible. Any device returned must be delivered to our company with carriage paid and will be sent back with freight collect. Warranty validity ceases in case of the customer's non-fulfilment of payment. Each device by our company meets the safety regulations in force (UNI 8612). Our company declines all responsibility for the non-observance of the safety rules by part of the installer.

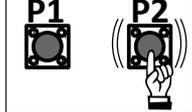
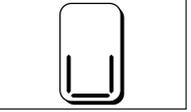
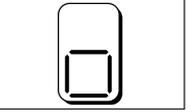
In order to reduce the time spent for repairing, all faulty materials sent back to us must be accompanied by the installer's comment about the piece.



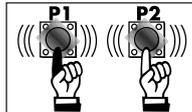
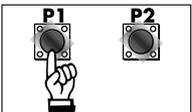
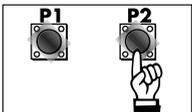
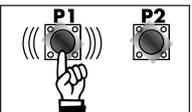
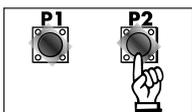
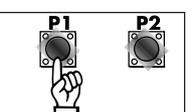
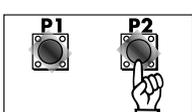
## WORKING TIME PROGRAMMING

1	Gate has to be in closed position Closing limit switch has to be lighted ON		
2	Press and keep pressing P1 for 6 seconds long.		
3	. The display shows the value 1 blinking . Press P2 to confirm		
4	. The motor makes a slowdown partial opening . The motor makes a slowdown closing to the limit switch . The motor makes a complete opening . The motor makes a complete closing up to limit switch		

## REMOTE CONTROL \_ step by step \_ open \ stop \ close \ stop

1	Press and keep pressed P2 for 3 secs		
2	. Display shows 0 . Press the button on the remote control		
3	The display shows letter <b>U</b> when the remote is new and has been registered succesfully The display shows letter <b>O</b> when the remote is already registered in the memory	 <b>NEW</b>	 <b>ALREADY IN MEMORY</b>

## AUTOMATIC CLOSING

1	Bring the control board to programming by pressing at the same time the buttons P1 and P2 for 3 seconds.																							
2	Slide the menu with P1 until letter T appears. Press P2 to confirm.																							
3	The display shows number 1. Slide with P1 until number 5 appears. Press P2 to confirm.																							
4	With P1 slide the values among 2 and 9 until the desidered value appears. <table border="1" data-bbox="165 1957 794 2069"> <tr> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> </tr> <tr> <td>DISABLED</td> <td>10 SEC</td> <td>20 SEC</td> <td>30 SEC</td> <td>45 SEC</td> <td>60 SEC</td> <td>90 SEC</td> <td>120 SEC</td> <td>180 SEC</td> <td>240 SEC</td> </tr> </table> . Press P2 to confirm	0	1	2	3	4	5	6	7	8	9	DISABLED	10 SEC	20 SEC	30 SEC	45 SEC	60 SEC	90 SEC	120 SEC	180 SEC	240 SEC			
0	1	2	3	4	5	6	7	8	9															
DISABLED	10 SEC	20 SEC	30 SEC	45 SEC	60 SEC	90 SEC	120 SEC	180 SEC	240 SEC															



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