

NOVA 24

**CONTROL BOARD OF
OPERATORS FOR SLIDING GATE
OPERATORS**



MANUAL

CE

MADE IN ITALY

INTRODUCTION TO THE CONTROL BOARD

GENERAL INFORMATION

It is forbidden the use of the product for aims or in a way that are not in accordance with this manual. Wrong uses can cause damages to the product and endanger people and things. It is refused any responsibility result of inobservance of right technique during the gates construction, and of the deformations that might occur during the use. Keep this manual for future installations.

INFORMATION FOR INSTALLER

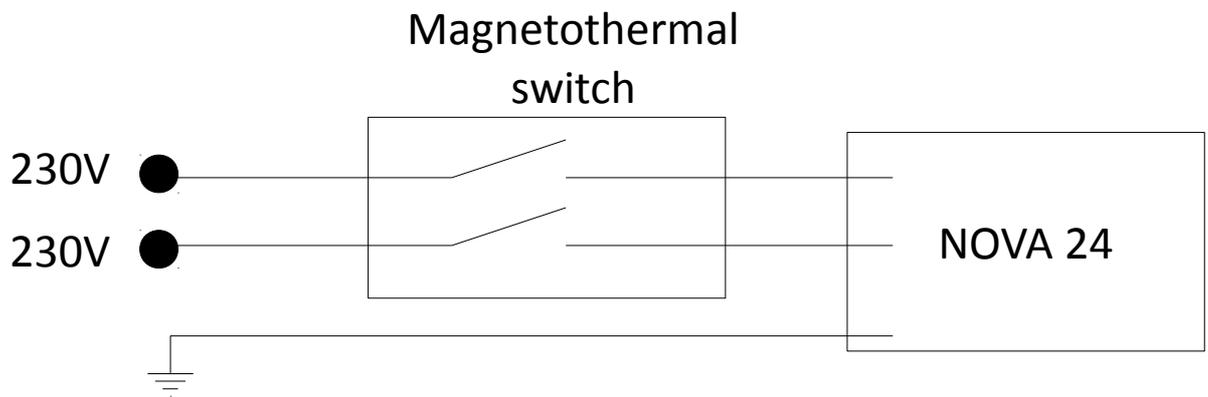
This manual is intended for people who are qualified to install and maintain automatic doors. The installation has to be done by qualified people (professional installer, as foreseen EN12635), observing the right techniques and current laws. Make sure that the structure of the gate can be automatized. The installer has to provide all information concerning both the automatic the manual and the emergency functioning of the automation, and he has to deliver to the user of the product the use instructions.

GENERAL WARNINGS

Leave packing materials out of the reach of children as they can be dangerous. Do not disperse in the environment packing materials but separate all different types (carton, polystyrene etc...) and dispose them according the local rules. Do not allow children to play with control devices. Keep remote controls out of the reach of children. This product is not intended to be used by people (children included) with reduced phisycal, sensorial and mental skills, or by people with a lack of right knowledge, unless they are not under the supervision or they have received instructions from people who are responsible for their security. Use all the necessary security systems (photocells, sensitive edge,etc.) to protect the area from collision, crushing, conveying and shearing warnings. Respect all effective rules and guidelines, the right technique, the type of use, the environment of installation, the logic of functioning and the strenght produced by the automation. The installation has to be done using the security and control devices in accordance with EN12978 and EN12453. We suggest using original accessories and spare parts only, using the non original ones, the warranty won't be valid anymore. All mechanical and electrical parts meet the effective requirements and rules, they also have CE label.

ELECTRICAL SECURITY

Put on the power source an omnipolar switch with an opening distance among the connections same or more than 3 mm. Make sure that there is a residual current circuit breakers and an appropriate overcurrent protection. Some types of installations require the connection of the swing to a grounding system in accordance with the affective security rules. During the installation, maintenance and reparation, remove power supply before using electrical parts. Disconnect any emergency battery if present. The electrical installation and the logic of functioning have to be in accordance with the effective laws. The conductor provided with different voltage, they have to be physically separated or isolated with with an additional insulation of 1 mm at least. The conductors must have an extra attachment near the terminals.



WASTE DISPOSAL

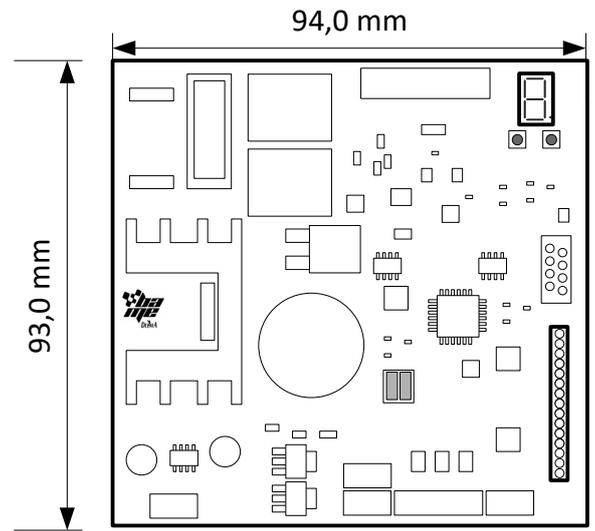
As indicate in the symbol on the side, it is forbidden to throw this product in the domestic rubbish as some parts of it could be noxious for the environment and for human health, if incorrecly disposed. The motor must be delivered to waste sorting centres, or delivered to the seller when buying the same new motor. The abusive disposal of the product involves the application of administrative penalties as foreseen by the law.

SUMMARY AND DEFAULT

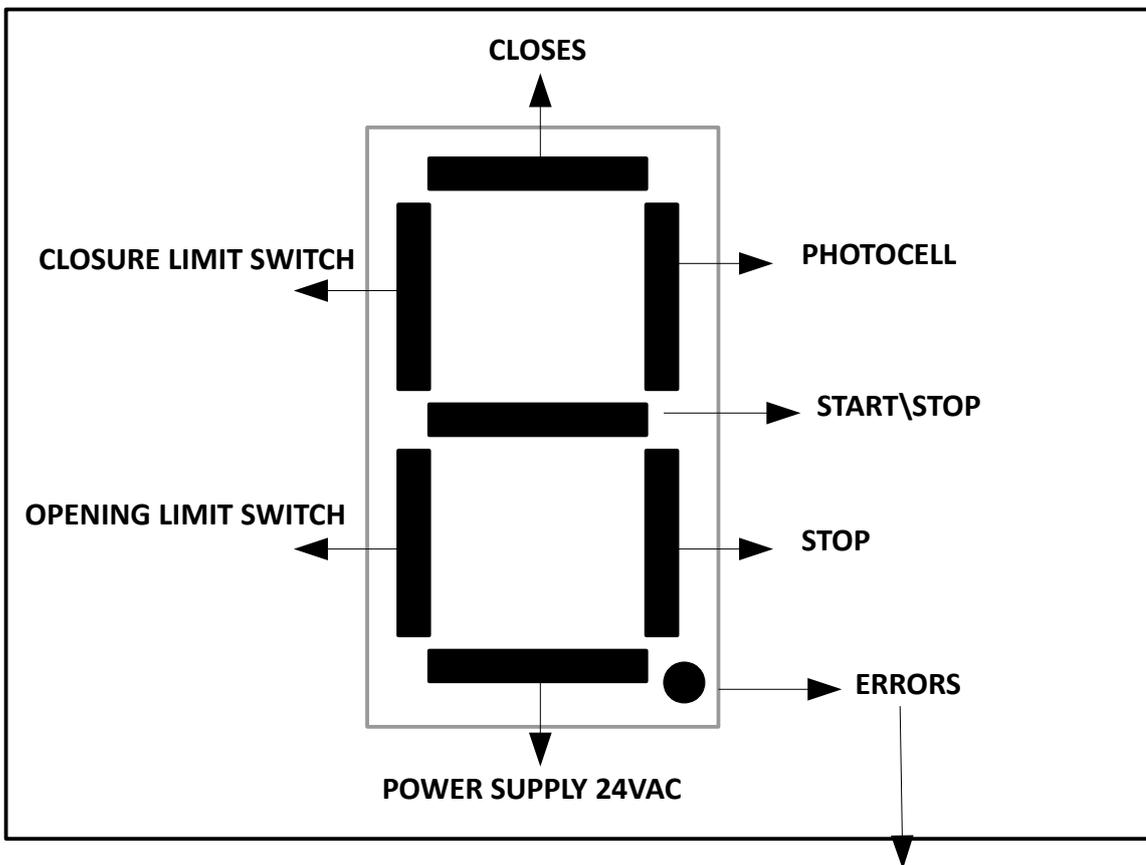
PARAMETER	SUMMARY	DEFAULT	PAGE
	ELECTRIC CONNECTIONS – MOTOR WITH LIMIT SWITCH		6-7
	ELECTRIC CONNECTIONS – MOTOR WITH ENCODER		8 - 9
	WORKING TIMES		
A1	PROGRAMMING WORKING TIME - AUTOMATIC		10
A2	PROGRAMMING WORKING TIME - PROFESSIONAL		11
	REGULATION FORCES AND TIMES		
T1	MOTOR FORCE	5	12
T2	OBSTACLE FEELING	5	12
T3	EXTRA - TIME	2	13
T4	CLOSURE BY IMPULSE PHOTOCELL	0	14
T5	AUTOMATIC RECLOSING TIME	0	15
T6	COURTESY LIGHT TIME	2	16
T7	SETTING FLASHING LIGHT	0	17
T8	SLOW DOWN SETTINGS	0	17
	REMOTE CONTROL		
C1	LOGIC START\STOP – STEP\STEP		18
C2	LOGIC COMMON - OPENS		18
C3	CLOSURE		19
C4	COYRTESY LED		19
C5	CANCELLATION REMOTE CONTROLS		20
	SECONDARY FUNCTIONS		
F1	SETTING LIMIT SWITCH/ENCODER	0	21
F2	PRE FLASHING WHILE OPENING	0	21
F3	ACTIVATION PHOTOCELLS WHILE OPENING	0	22
F4	SETTING ENTRANCE STOP	0	23
F5	SETTING ENTRANCE START	0	24
F6	RESET OF THE CONTROL BOARD		25
F7	SECURITY TEST	0	26

TECHNICAL FEATURES

Transformer power supply : 230VAC
 Control board power supply : 20VAC
 Motor exit: 24VDC
 Maximum absorption: 10 total Ampere
 Accessories power supply: 24 VDC - 1A protected by fuse
 Environment working temperature: -20° C / + 55 °C
 Remote control memory: 100

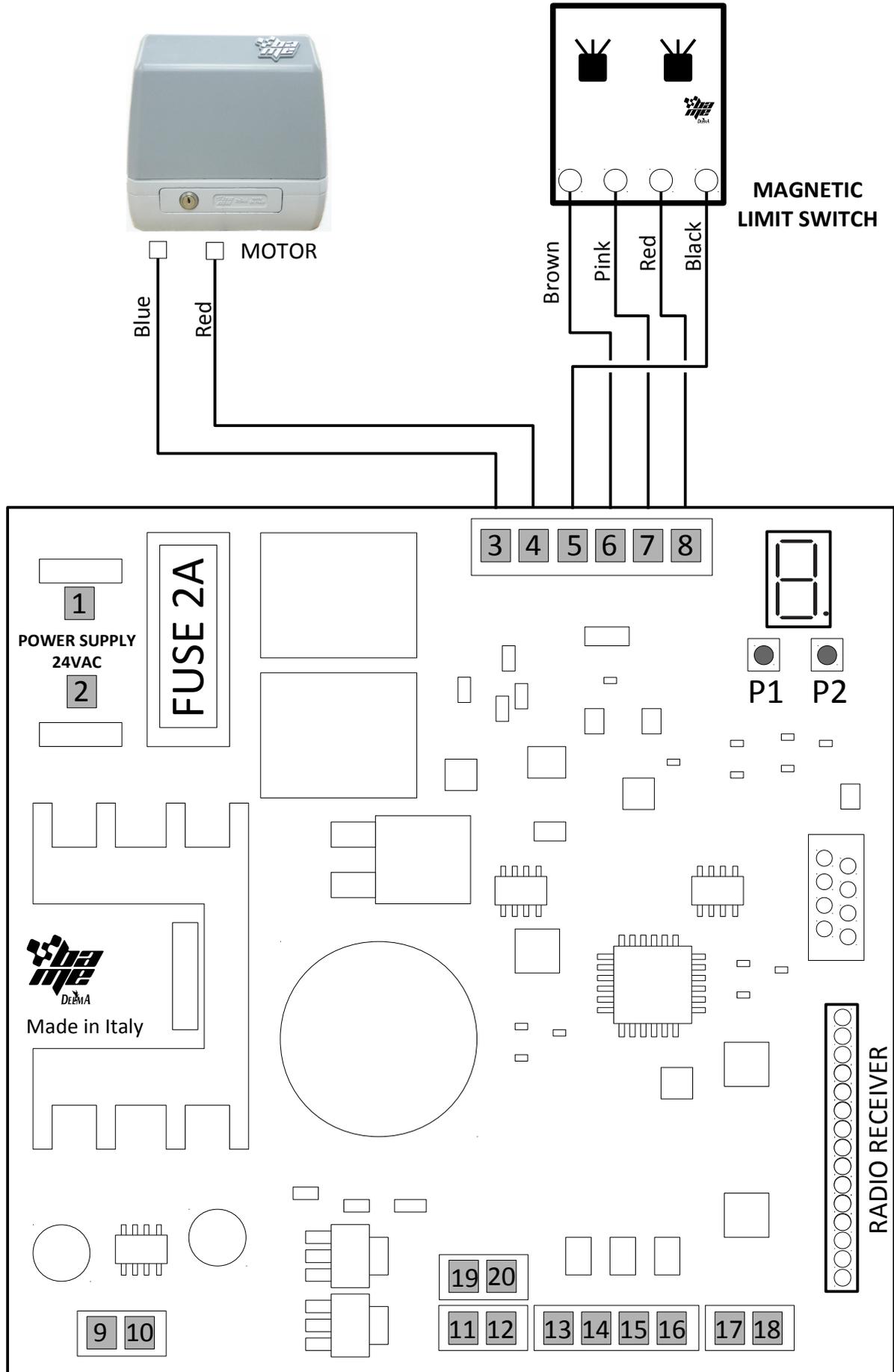


DISPLAY

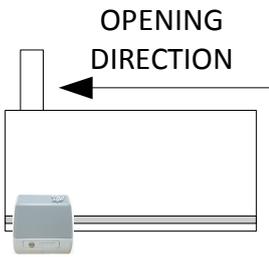


1 FLASHINGS	ERROR ENCODER	Contact the assistance
2 FLASHINGS	MEMORY CORRUPTED	Contact the assistance
3 FLASHINGS	ACTIVATED STOP	Verify contact STOP
4 FLASHINGS	ACTIVATED PHOTOCELL	Verify contact photocell

ELECTRIC CONNECTIONS- MOTOR WITH LIMIT SWITCH

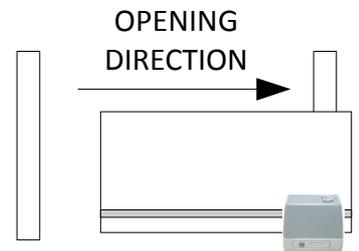


ELECTRIC CONNECTIONS– MOTOR WITH LIMIT SWITCH



1 – 2	POWER SUPPLY 24V	
3 – 4	MOTOR 24Vdc	3. Red 4. Blue
5 – 6 – 7	MOTOR LIMIT SWITCH	5. Common (Black) 6. Opening limit switch (Brown) 7. Closure limit switch (Pink) 8. Positive power supply (Red)

1 – 2	ALIMENTATION 24V	
3 – 4	MOTOR 24Vdc	3. Blue 4. Red
5 – 6 – 7	MOTOR LIMIT SWITCH	5. Common (Black) 6. Opening limit switch (Pink) 7. Closure limit switch (Brown) 8. Positive power supply (Red)

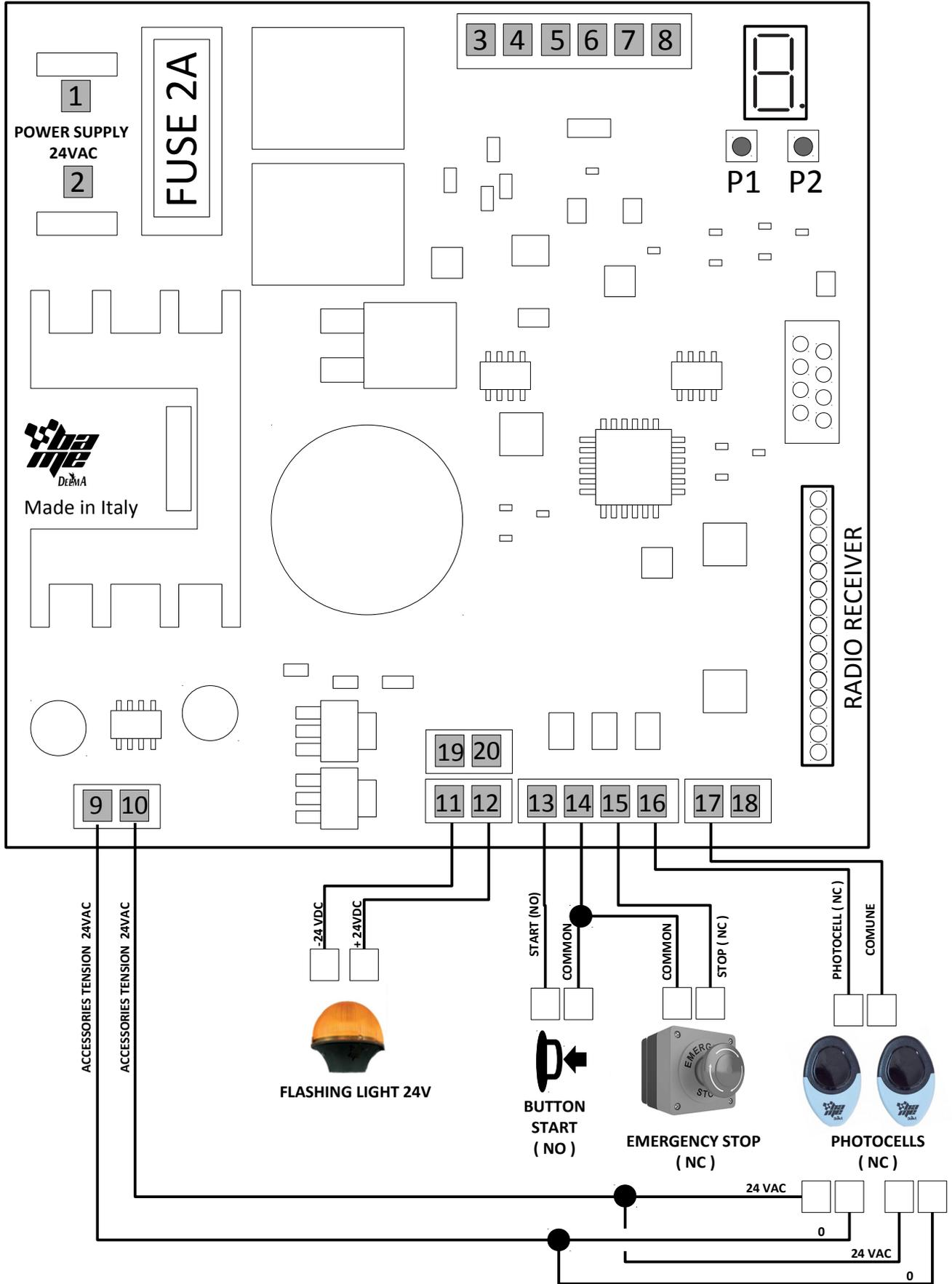


At the end of the connecting operations, please verify that teh segments:

- PHOTOCELLS
- STOP
- POWER SUPPLY 24VAC

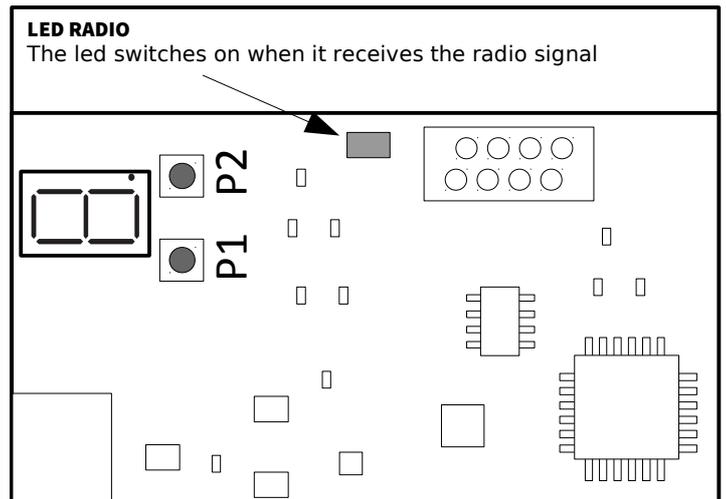
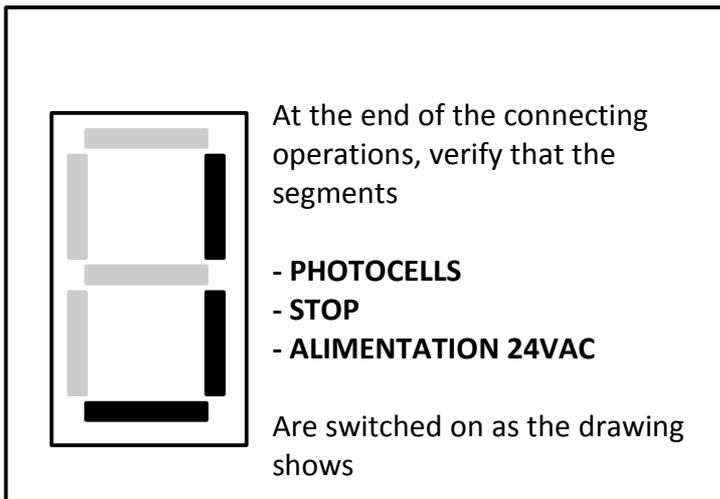
Are switched on as the drawing shows.

RADIO LED
The led switches on when receives the radio signal



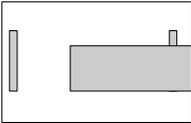
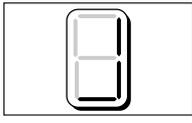
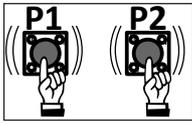
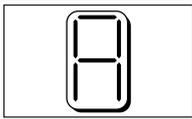
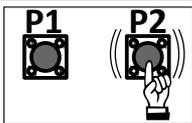
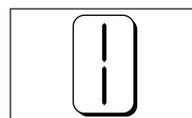
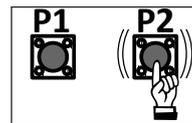
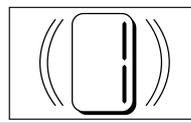
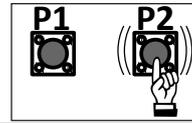
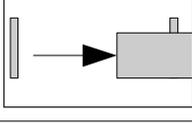
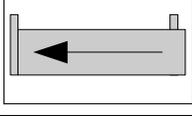
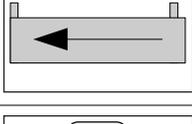
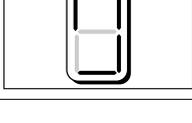
ELECTRIC CONNECTIONS– ACCESSORIES

1 – 2	POWER SUPPLY 24V	
9 – 10	TENSION ACCESSORIES 24 Vac	9. 24Vac 10. 24 Vac
11 – 12	FLASHING LIGHT 24Vdc	11. -24Vdc 12. +24Vdc
13 – 14	BUTTON START (step – step)	13. Opens (NO) 14. Common
14 – 15	EMERGENCY STOP	14. Common 15. Emergency stop (NC)
16 – 17	PHOTOCELLS	16. Photocells (NC) 17. Common
19 – 20	COURTESY LIGHT Max 5W - 24Vdc	19. -24Vdc Courtesy light 20. +24Vdc Courtesy light



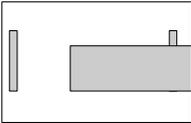
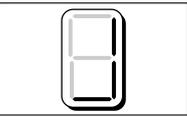
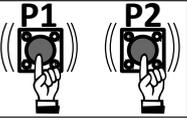
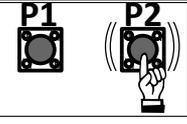
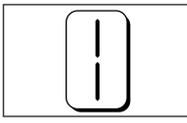
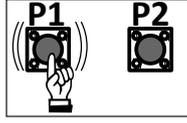
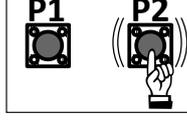
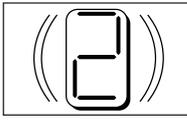
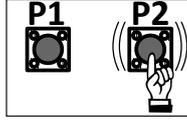
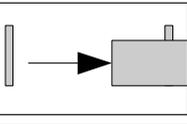
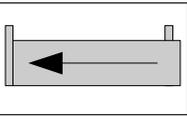
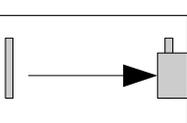
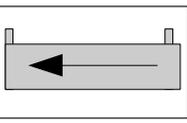
WORKING TIMES PROGRAMMING - AUTOMATIC

The board makes the learning automatically and it inserts automatic slowings.

1	Give power to the control board and bring the gate to intermediate position.		
2	Bring the control board to programming by pressing at the same time P1 and P2 for 3 seconds long.		
3	The display shows letter A		
4	Press P2 to confirm the choice		
5	Number 1 appears on the display		
6	Press P2 to confirm the choice		
7	. The display starts flashing . Press P2 again to start the programming		
8	The operator makes a short slowed down opening		
9	The operator makes a slowed down closure up to the closure limit switch		
10	The operator makes a complete opening up to the opening limit switch		
11	The operator makes a complete closure up to the closure limit switch		
12	Programming completed		

WORKING TIME PROGRAMMING - PROFESSIONAL

The operator inserts the slowing points manually

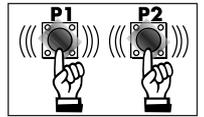
1	Give tension to the board and bring the gate to an intermediate position		
2	Bring the board to programming by pressing at the same time P1 and P2 for three seconds long.		
3	The display shows letter A		
4	Press P2 to confirm the choice		
5	On the display appears number 1 Press P1 to slide up to number 2		
6	Press P2 to confirm the choice		
7	. The display starts flashing . Press P2 again to start the programming		
8	The operator makes a short slowed down opening		
9	The operator makes a slowed down closure up to the closure limit switch		
10	. Press P1 to open the gate . Press P1 wherever you want the slowing to start . The gate arrives to the opening limit switch		
11	. Press P1 to close the gate . Press P1 wherever you want the slowing to start during closure . The gate arrives to the closure limit switch		
12	Programming completed		

PARAMETER T1 – ENGINE POWER

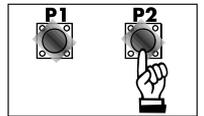
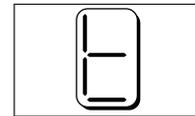
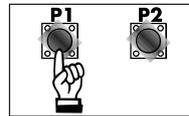
0 = MAXIMUM FORCE

9 = MINIMUM FORCE

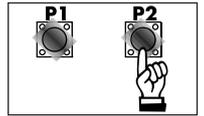
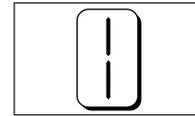
1. Bring the board to programming by pressing at the same time P1 and P2 for 3 seconds long



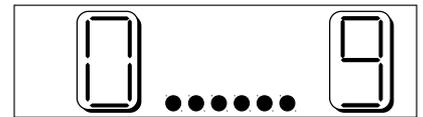
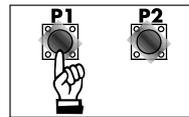
2. Step through the menu with P1 until letter **t** appears
Press P2 to confirm.



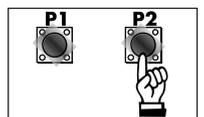
3. The display shows number 1.
Press P2 to confirm.



4. Step through the values among 0 and 9 with P1 and view the desired value.



5. Press P2 to confirm.



ATTENTION!!!

REPEAT THE PROGRAMMING PROCESS AFTER POWER VALUES HAVE BEEN CHANGED

PARAMETER T2 – OBSTACLE AWARENESS

This parameter allows to set the reversal time when the door meets and obstacle

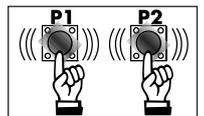
0 = MINIMUM AWARENESS

9 = MAXIMUM AWARENESS

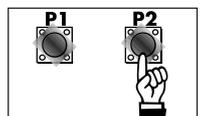
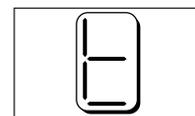
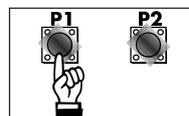
Reversal time very high

Reversal time very low

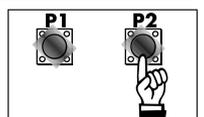
1. Bring the control board to programming by pressing P1 and P2 at the same time for 3 seconds long.



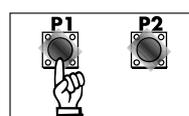
2. Step through the menu with P1 until letter **t** appears.
Press P2 to confirm.



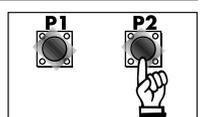
3. The display shows number 1.
Press P2 to confirm.



4. Step through the values 0 - 9 with P1 and view the desired value.



5. Press P2 to confirm..



ATTENTION!!!

REPEAT THE PROGRAMMING PROCESS AFTER AWARENESS VALUES HAVE BEEN CHANGED

PARAMETER T3 – EXTRA TIME

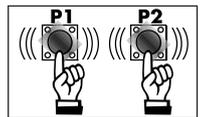
Values goes from 0 to 9

0 = 1 second of extra time

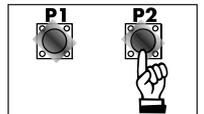
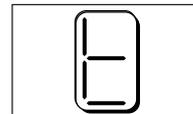
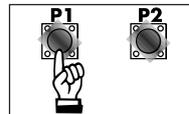
9 = 5,5 seconds of extra time

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

1. Bring the control board to programming by pushing at the same time P1 and P2 for 3 seconds long.



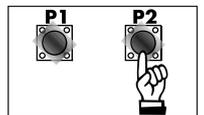
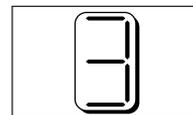
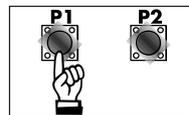
2. Step through the menu with P1 until letter T appears.



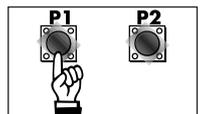
Press P2 to confirm.

3. The display shows number 1. Step through the values with P1 until number 3 appears.

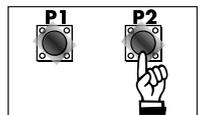
Press P2 to confirm.



4. Step through the values among 0 and 9 with P1 and view the desired value (VIEW CHART).



5. Press P2 to confirm.



PARAMETER T4 – CLOSURE DUE TO PHOTOCELL INPUT

The parameter allows to set a timed automatic closure that is activated when crossing the photocell.

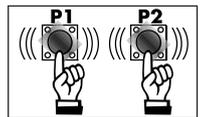
The values goes from 0 to 9

0 = DISABLED

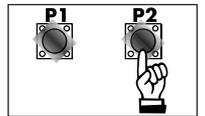
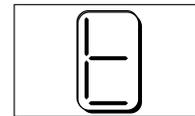
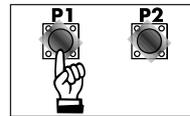
9 = 27 SECONDS SINCE THE INPUT FROM PHOTOCELLS

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

1. Bring the photocells to programming by pressing at the same time P1 and P2 for 3 seconds long.

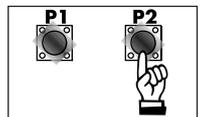
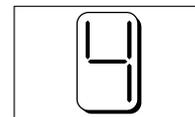
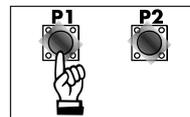


2. Step through the menu with P1 until letter T appears. Press P2 to confirm.

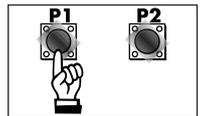


3. The display shows number 1.

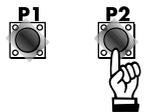
Step through the values with P1 until number 4 appears. Press P2 to confirm.



4. Step through the values among 0 and 9 with P1 and view the desired value (VIEW CHART).



5. Press P2 to confirm.



PARAMETER T5 – AUTOMATIC RECLOSURE TIME

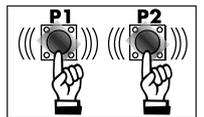
Values goes from 0 to 9

0 = DISABLED

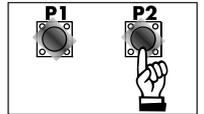
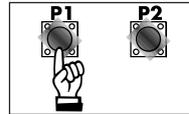
9 = 270 SECONDS

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

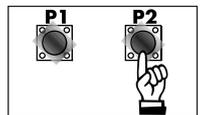
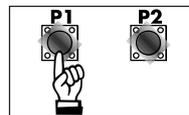
1. Bring the control board to programming by pressing at the same time P1 and P2 for 3 seconds long.



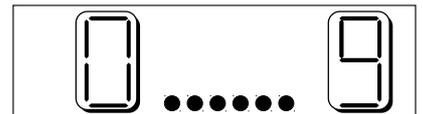
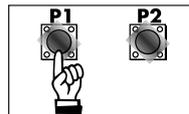
2. Step through the menu with P1 until letter T appears. Press P2 to confirm.



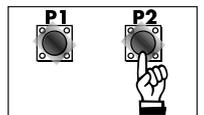
3. The display shows number 1. Step through the values with P1 until number 5 appears. Press P2 to confirm.



4. Step through the values among 0 and 9 with P1 and view the desired value. (SEE CHART).



5. Press P2 to confirm.



PARAMETER T6 – TIME OF COURTESY LIGHT

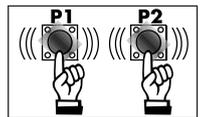
The values goes from 0 to 9
 0 = INDICATOR GATE OPEN
 1 = 1 SECONDS SINCE LAST OPERATION
 .
 .
 .
 9 = 240 SECONDS SINCE LAST OPERATION

DISPLAY	SECONDS
0	INDICATOR GATE OPEN
1	1
2	30
3	60
4	90
5	120
6	150
7	180
8	210
9	240

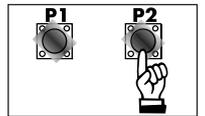
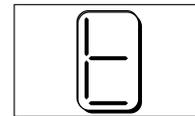
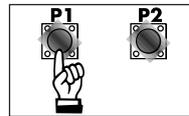
INDICATOR GATE OPEN:

- . Flashing light during operation
- . Switched on light with closed gate
- . Switched off light with closed gate

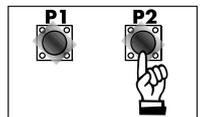
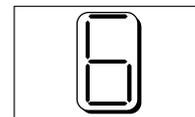
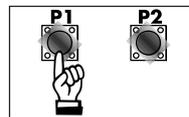
1. Bring the control board to programming by pressing P1 and P2 for three seconds long.



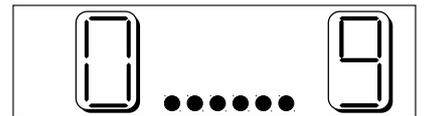
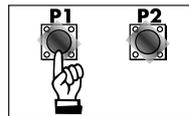
2. Step through the menu with P1 until letter T appears. Press P2 to confirm.



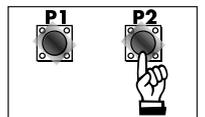
3. The display shows number 1. Step through the values with P1 until number 6 appears. Press P2 to confirm.



4. Step through the values among 0 and 9 with P1 and view the desired value (SEE CHART).



5. Press P2 to confirm.

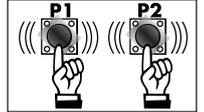


PARAMETER T7 – SET COURTESY LED EXIT

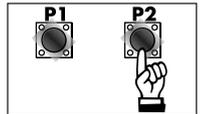
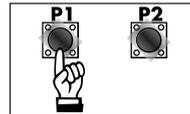
The parameter allows to set the functioning of the courtesy led exit:

- 0: COURTESY LED
- 1: FLASHING LIGHT LED
- 2: LIGHT ARM TEST
- 3: PHOTOCCELL TEST

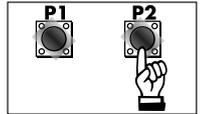
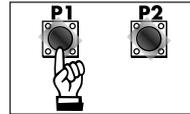
1. Bring the control board to programming by pressing at the same time P1 and P2 for 3 seconds long.



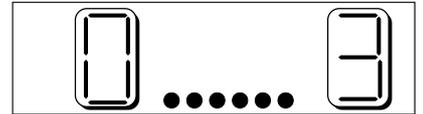
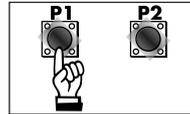
2. Slide the menu with P1 until the display shows letter T. Press P2 to confirm.



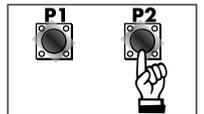
3. The display shows number 1. Slide the values with P1 until the display shows number 7. Press P2 to confirm.



4. Slide the values among 0 and 2 with P1 until the desired value appears (SEE CHART).



5. Press P2 to confirm.

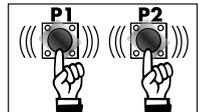


PARAMETER T8 – SLOW DOWN SETTINGS

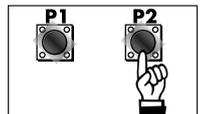
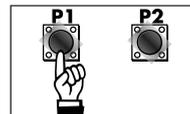
The parameter allows to manage the slowing time

- 1: SHORT SLOW DOWN
- 2: MEDIUM SLOW DOWN
- 3: LONG SLOW DOWN

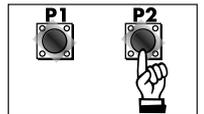
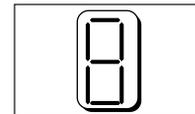
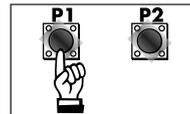
1. Bring the control board to programming by pressing and the same time P1 and P2 for 3 seconds long.



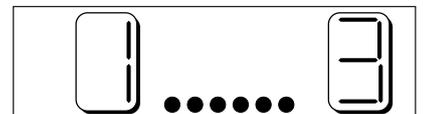
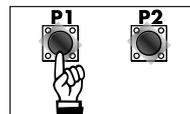
2. Slide the menu with P1 until the display shows letter T. Press P2 to confirm.



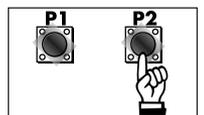
3. The display shows number 1. Slide the values with P1 until the display shows number 8. Press P2 to confirm.



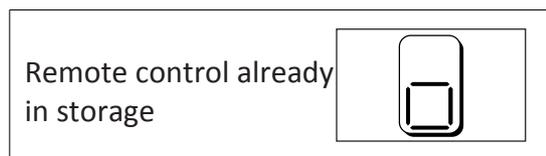
4. Slide the values among 0 and 3 with P1 until the desired value appears. (SEE CHART).



5. Press P2 to confirm.

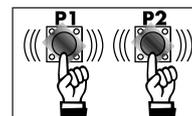


Self - learning of the remote control codes

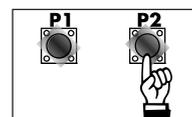
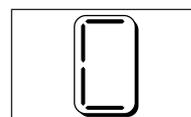
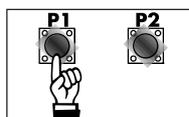


PARAMETER C1: LOGIC STEP BY STEP

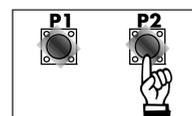
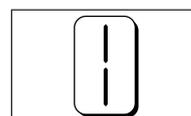
1. Bring the control board to programming by pressing at the same time P1 and P2 for three seconds.



2. Step through the menu with P1 until letter C appears. Press P2 to confirm.



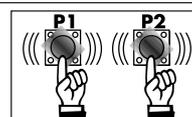
3. The display shows numer 1. Press P2 to confirm.



4. On the display appears number 0. Press the button of the remote you want to save.

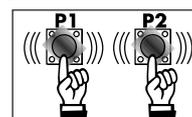


5. Add other remotes if necessary. Press P1 + P2 to go out from programming.

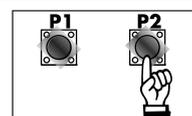
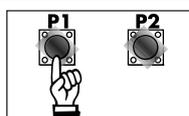


PARAMETER C2: COMMUNAL LOGIC (input opening only)

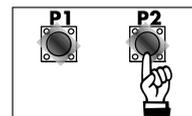
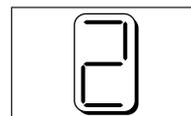
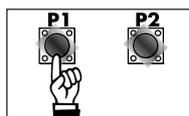
1. Bring the control board to programming by pressing P1 and P2 for 3 seconds long.



2. Step through the menu with P1 until letter C appears. Press P2 to confirm.



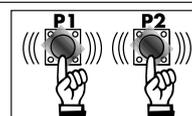
3. The display shows number 1. Press P1 to step through the menu until number 2. Press P2 to confirm.



4. On the display appears number 0. Press the button of the remote you want to save.

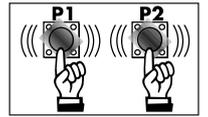


5. Add other remotes if necessary. Press P1 + P2 to go out from programming.

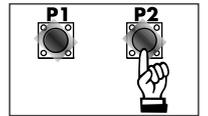
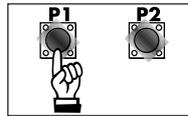


PARAMETER C3: COMMAND PEDESTRIAN OPENING

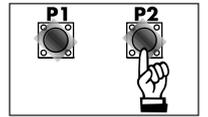
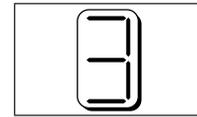
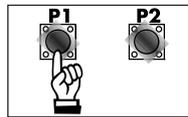
1. Bring the control board to programming by pressing at the same time P1 and P2 for three seconds long.



2. Slide the menu with P1 until letter C appears. Press P2 to confirm.



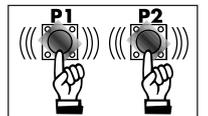
3. The display shows number 1. Press P1 to slide the menu until number 3 appears. Press P2 to confirm.



4. On the display a number 0 appears. Now press the button of the remote you want to save.

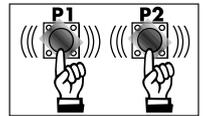


5. Add more remotes if necessary. Press P1 + P2 to go out of the programming

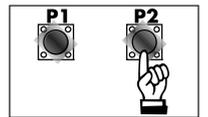
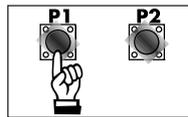


PARAMETER C4: COMMAND COURTESY LIGHT

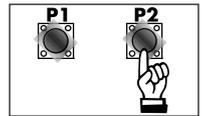
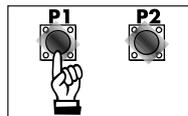
1. Bring the control board to programming, by pressing at the same time P1 and P2 for three seconds long.



2. Slide the menu with P1 until letter C appears. Press P2 to confirm



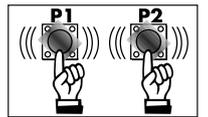
3. The display shows number 1. Press P1 to slide the menu up to number 4. Press P2 to confirm.



4. On the display a number 0 appears. Now press on the button of the remote you want to save.

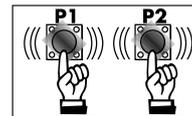


5. Add other remotes if necessary. Press P1 + P2 to go out of the programming.

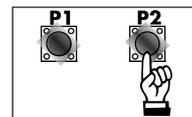
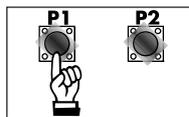


PARAMETER C5: CANCELLATION OF REMOTES CODES

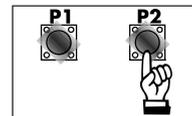
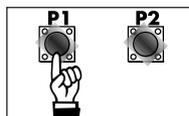
1. Bring the control board to programming by pressing at the same time the buttons P1 and P2 for 3 seconds long.



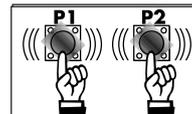
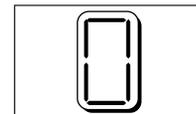
2. Slide the menu with P1 until letter C appears.
Press P2 to confirm.



3. The display shows number 1.
Press P1 to slide the menu up to number 5
Press P2 to confirm.



4. On the display number 0 appears.
Press the buttons P1+P2 at the same time



5. The display goes back to the initial value
The codes have been deleted.

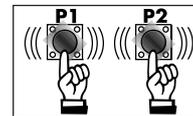
PARAMETER F1 – SETTING LIMIT SWITCH \ ENCODER

This parameter allows to set the functioning with limit switch or with encoder

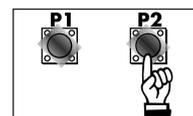
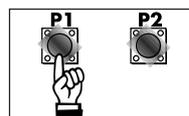
0: LIMIT SWITCH NC

1: ENCODER

1. Bring the control board to programming by pressing at the same time P1 and P2 for 3 sec.



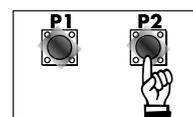
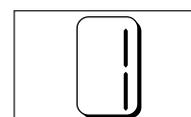
2. Step through the menu with P1 until letter F appears.



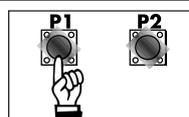
Press P2 to confirm.

3. The display shows n° 1.

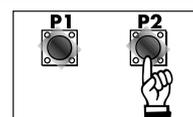
Press P2 to confirm.



4. Step through the values 0 – 1 and view the desired value.



5. Press P2 to confirm.



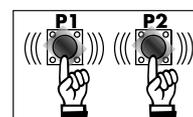
PARAMETER F2 – PRE- FLASHING WHILE OPENING

The parameter allows to set a pre-flashing 3 seconds long.

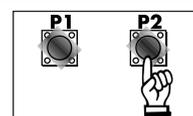
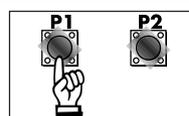
0: DISABLED

1: PRE-FLASHING 3 SEC

1. Bring the control board to programming by pressing at the same time P1 and P2 for 3 sec.



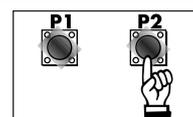
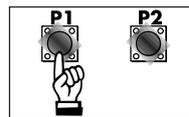
2. Step through the menu with P1 until letter F appears.



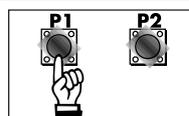
Press P2 to confirm.

3. The display shows number 2.

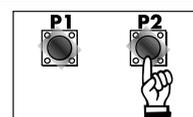
Press P2 to confirm.



4. Step through the values 0- 1 with P1 and view the desired value.



5. Press P2 to confirm.



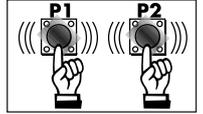
PARAMETER F3 – ACTIVATION PHOTOCELLS WHILE OPENING

The parameter allows to activate the function of the photocells while opening as well. In case of activation, the photocells make a stop until they are not released.

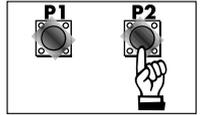
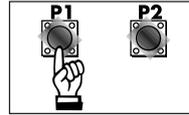
0: DESACTIVATED

1: ACTIVATED

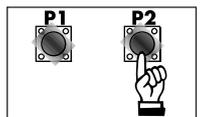
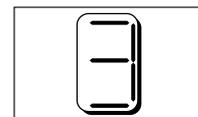
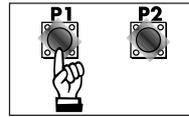
1. Bring the photocells to programming by pressing at the same time the buttons P1 and P2 for 3 seconds long.



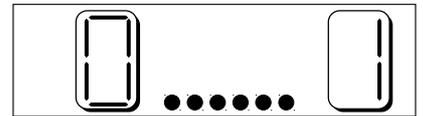
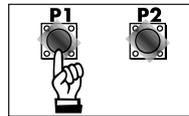
2. Slide the menu with P1 until letter F appears. Press P2 to confirm.



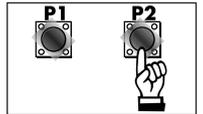
3. Slide the menu with P1 until number 3 appears. Press P2 to confirm.



4. Slide the value between 0 and 1 with P1 and see the desired value



5. Press P2 to confirm.



PARAMETER F4 – CONFIGURATION INPUT STOP

The parameter allows to set the security input 14-15

0: STOP (NC)

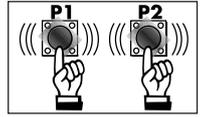
1: SENSITIVE EDGE ACTIVATED DURING CLOSURE (NC)

2: SENSITIVE EDGE ACTIVATED WHILE OPENING AND CLOSURE (NC)

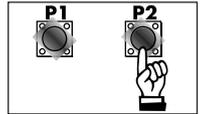
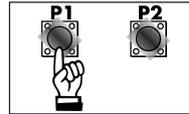
3: CLOSES (NO)

4: PEDESTRIAN (NO)

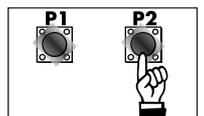
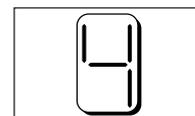
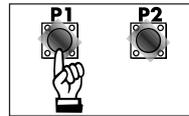
1. Bring the control board to programming by pressing at the same time the buttons P1 and P2 for 3 seconds long.



2. Slide the menu with P1 until letter F appears.
Press P2 to confirm.



3. Slide the menu with P1 until number 4 appears.
Press P2 to confirm.



4. STOP (NC)

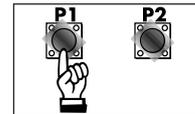
The display shows number 0. Press P2 to confirm.



4. SENSITIVE EDGE ACTIVATED DURING CLOSURE (NC)

Slide with button P1. The display shows number 1.

In case of activation during closure, the motor makes a reopening

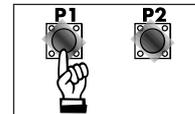


4. SENSITIVE EDGE ACTIVATED DURING CLOSURE AND OPENING (NC)

Slide with button P1. The display shows number 2

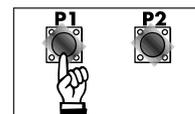
In case of activation during closure, the motor makes a reopening

In case of activation during the opening, the motors reverses itself for 2 seconds long.



4. CLOSES(NO)

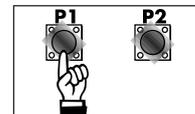
Slide with button P1. The display shows number 3



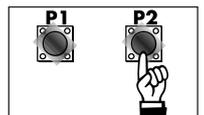
4. PEDESTRIANS (NO)

Slide with button P1. The display shows number 4

In case of activation, the motor opens the gate for 4 seconds long, and it closes back again after the pre-set automatic closure.



5. Press P2 to confirm the choice.



PARAMETER F5 – CONFIGURATION INPUT START

The parameter allows to set the input opening 13 – 14

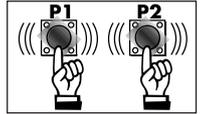
0: START \ STOP (NO)

1: OPENS (NO)

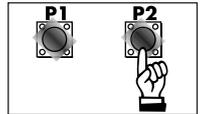
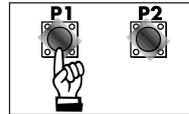
2: OPENS – TIMER\ALLARME\OROLOGIO (NO)

2: MAN PRESENT

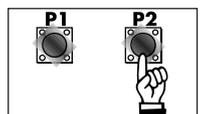
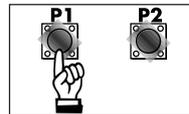
1. Bring the control board to programming by pressing at the same time P1 and P2 for 3 seconds long.



2. Slide the menu with P1 until letter F appears. Press P2 to confirm.



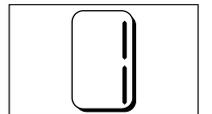
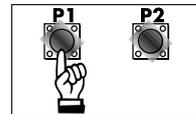
3. Slide the menu with P1 until number 5 appears. Press P2 to confirm.



4. **START \ STOP (NO)** _ command step by step
The display shows number 0. Press P2 to confirm.
Opens-stop-Closes-stop-....

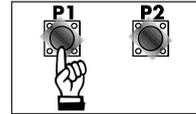


4. **OPENS (NO)** _ opening command only
Slide with button P1. The display shows number 1



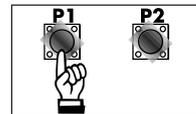
4. **OPENS - TIMER\ALARM\CLOCK (NO)**
Slide with the button P1. The display shows number 2

With this function it is possible to connect a timer/watch to the in put OPENS, which maintains the gate open until it is released. During this period, the light is switched off. The gate will be closing when the contact is released, thought the pre-set automatic closure.

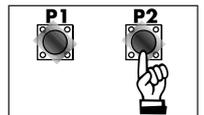


4. **MAN PRESENT (NO)**

Slide with button P1. The display shows number 3.
The buttons need to be pressed until the required operation is done.



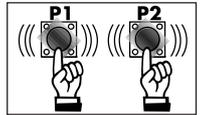
5. Press P2 to confirm the choice.



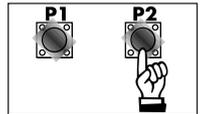
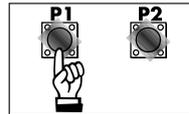
PARAMETER F6 – RESET OF THE CONTROL BOARD

This function allows to reset the parameters of the control board to the factory values (default).
By making this operation the codes of the remote control won't be cancelled.

1. Bring the control board to programming by pressing at the same time P1 and P2 for 3 seconds long.

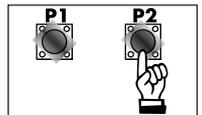
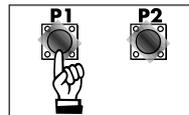


2. Step through the menu with P1 until letter F appears.

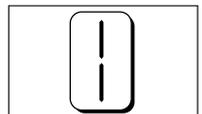
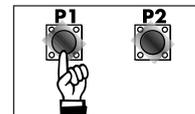
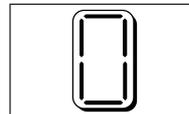


Press P2 to confirm.

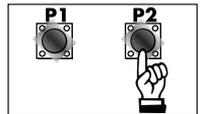
3. The display shows number 1.
Press P1 until number 6 appears.
Press P2 to confirm.



4. The display shows 0
Press P1 to step through the menu until 1



5. Press P2 to confirm



ATTENTION!!!

By making this operation, the codes of the remotes controls won't be cancelled

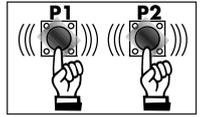
PARAMETER F7 – SECURITIES TEST

The control board offers a Self Test function of the securities connected to the entrance Photocell of the control board, which consists in turning off the transmitters and checking the switching of the contact of the matching receiver before the performance of any actions.

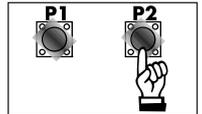
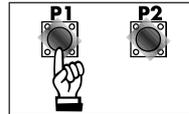
0: DISABLED

1: ENABLED

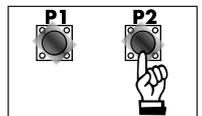
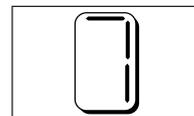
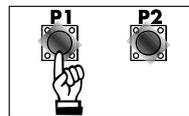
1. Bring the control board to programming by pressing at the same time P1 and P2 for 3 seconds long.



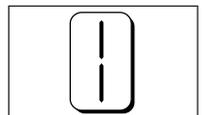
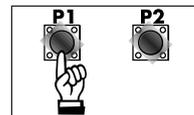
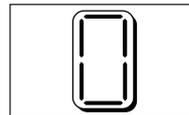
2. Step through the menu with P1 until letter F appears on the display. Press P2 to confirm.



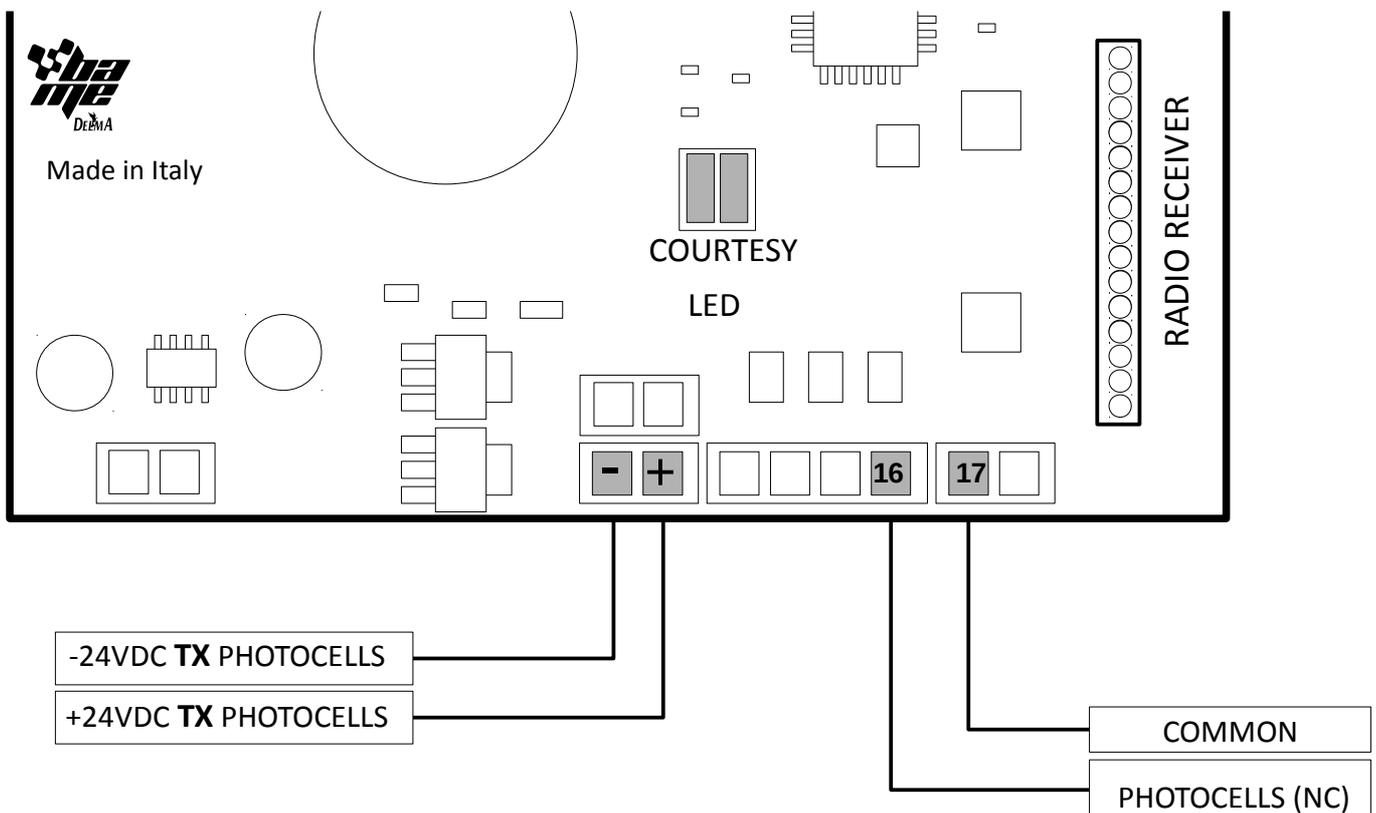
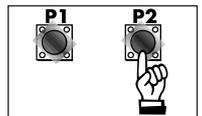
3. The display shows number 1. Press P1 until number 7 appears. Press P2 to confirm.



4. The display shows 0. Press P1 to step through the menu until 1



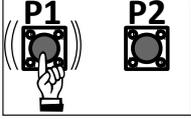
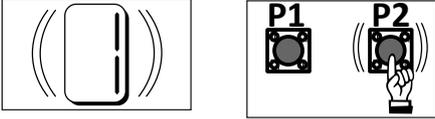
5. Press P2 to confirm



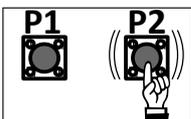
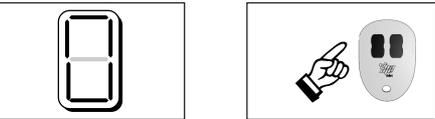
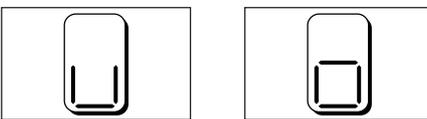
QUICK INSTRUCTIONS

Through the buttons P1 and P2 it is possible to access quickly to the automatic programming and to the remote control start/stop.

Fast programming:

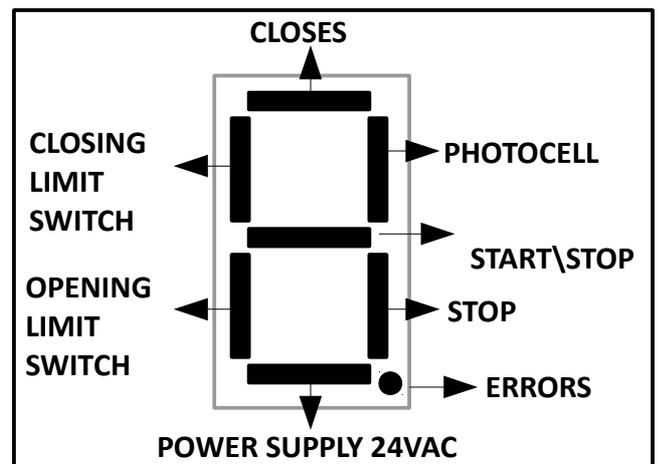
1	Press and keep pressing P1 for 6 seconds long.	
2	. The display shows the value 1 blinking . Press P2 to confirm	
3	. The motor makes a small slowed down opening . The motor makes a slowed down closure . The motor makes a complete opening . The motor makes a complete closure	

Remote control programming:

1	Press and keep pressing P2 for 3 seconds long.	
2	. The display shows the value 0 . Press the button of the remote control	
3	If the display shows letter U it means that the remote control is not yet stored. The display shows letter "o" if the remote control has already been stored.	

Errors and display chart:

1 FLASH	ERROR ENCODER	Contact the assistance
2 FLASHES	CORRUPTED MEMORY	Contact the assistance
3 FLASHES	STOP ACTIVATED	Verify contact STOP
4 FLASHES	PHOTOCELL ACTIVATED	Verify contact photocell



WARNINGS

BAME SRL AS MANUFACTURING COMPANY DECLINES ANY RESPONSIBILITIES FOR DAMAGES CAUSED BY WRONG OR MISSING CONNECTIONS, OR BY WRONG PROGRAMMING.

THE PHOTOCELLS AND THE SENSITIVE EDGES ARE SECURITY COMPONENTS THAT NEED TO BE INSTALLED AND KEPT EFFICIENT.

DURING THE GATE CLOSURE THERE'S THE CRUSHING RISK, THIS MEANS THAT THE MAXIMUM FORCE NEEDS TO BE PROPERLY ADJUSTED.

AT THE END OF THE ADJUSTMENT AND PROGRAMMING, PLACE THE CONTAINER CORRECTLY AND MAKE SURE THAT ALL THE SCREWS ARE PROPERLY TIGHTEN.

BAME SRL AS MANUFACTURING COMPANY DECLINES ANY RESPONSIBILITIES FOR DAMAGES CAUSED BY WRONG USE OF THE AUTOMATION. IT IS FORBIDDEN TO SUBSTITUTE ANY MECHANICAL, ELECTRONICAL AND ELECTRIC COMPONENT WITH AN UNORIGINAL ONE.

BAME SRL HAS THE RIGHT TO MODIFY THE BOARDS AND THE MANUAL WITHOUT PRIOR NOTICE.

WARRANTY CONDITIONS

The material BAME and its accessories are warranted 24 months long since the production date, printed on each automation. BAME undertakes to repair or substitute the part upon return to the headquarter. To allow the verifications of the returned pieces, the replaced ones are property of the supplier. All the defects caused by tampering or facts caused by the buyer are not under warranty, such as: non observance of the instructions included in the material, maintenance or changes made without authorisation of BAME. Are not covered by warranty all those defects that depend on power supply irregularity or any event that is not caused by the manufacturer. The material under warranty has to be sent to BAME with freight paid and it will be shipped back with freight collect. The warranty ceases if the customer is not in regulation with payments. Every installation has to be produced in compliance with the current security rules (UNI 8612 e CEI64-8). BAME refuses any responsibilities caused by the inobservance of the security rules by the installer.



BAME s.r.l.

Via Leonardo da Vinci, 23

46020 SAN GIACOMO SEGNATE (MN), ITALY

Tel. +39 0376 616 638 - Fax +39 0376 629 456 -

Web: www.bame.it

e-mail: info@bame.it - venditedelma@bame.it

