

SIRIO 3

**ELECTRONIC
CONTROL BOARD FOR
SWINGING GATES WITH
ONE OR TWO SWINGS**



MANUAL



!!! ATTENTION - NOTICE FOR THE INSTALLER !!!

The bridges present on the contacts STOP, SENSITIVE EDGE, PHOTOCELLS, will not be installed anymore by BAME s.r.l. for safety and normative reasons.

If one more of these contacts will not be utilised for any reason, the installer must insert a bridge on the contacts to assure a correct operation of the control board.

Always follow the european standard specifications for garage doors and gates, EN12453 and EN12445.

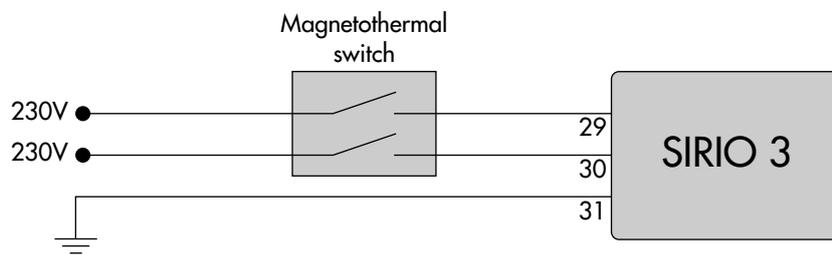
SIRIO 3

SIRIO 3 NEW MANUAL - SUMMARY

- List of electric contacts 4
- Assembly diagram 5
- Programming of running phases and work time 6
- Programming of motor power and timing:
 - Parameter T1: motor power for normal running phase 8
 - Parameter T2: motor power for lagging phase 8
 - Parameter T3: lagging timing 9
 - Parameter T4: swings delay timing 10
 - Parameter T5: pedestrian gate 11
 - Parameter T6: timing of photocell operated lock 12
 - Parameter T7: timing of automatic lock 13
 - Parameter T8: timing of courtesy light 14
 - Parameter T9: timing of pedestrian gate automatic lock 15
- Programming of remote control codes:
 - Parameter C1: step-by-step logic 16
 - Parameter C2: non step-by-step logic 16
 - Parameter C3: pedestrian gate code 17
 - Parameter C4: on/off courtesy light code 17
 - Parameter C5: deletion of all codes 18
- Programming of secondary functions:
 - Parameter F1: electric lock 19
 - Parameter F2: pre-blinking light in opening stage 19
 - Parameter F3: board reset function 20
 - Parameter F4: enable photocells during opening operations 20
 - Parameter F5: enable new timing charts for T3 and T7 21
 - Parameter F6: transform pneumatic device contact in photocell 2 contact 22

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

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



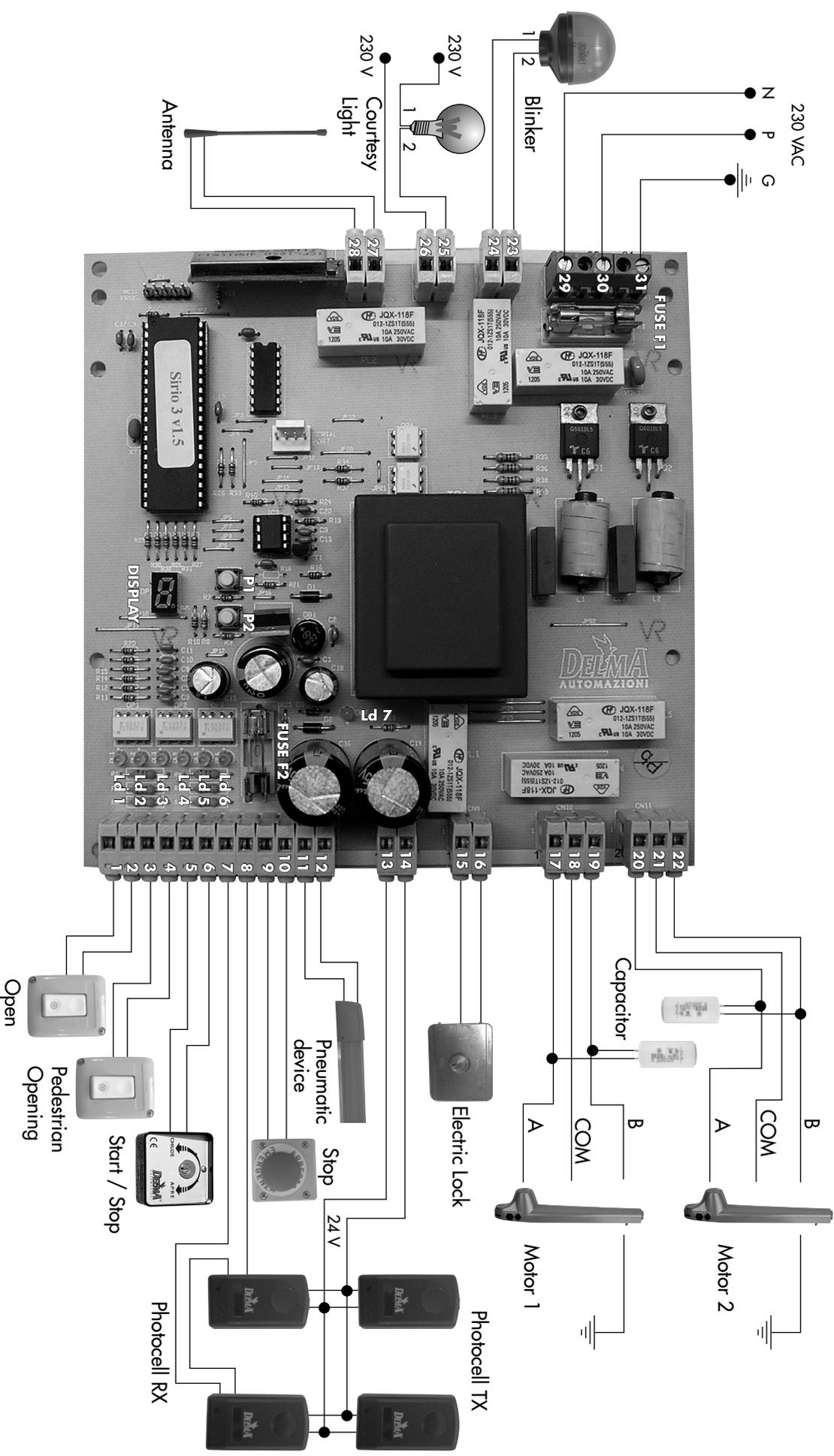
CONTACTS

1 - 2	"APRE" contact: only opening function (normally open).
3 - 4	Step-by-step pedestrian opening contact: drives swing n. 2 (normally open).
5 - 6	Start/Stop (normally open).
7 - 8	Photocell contact (normally close).
9 - 10	Stop contact (normally close). Leave jumper when disconnected. If this contact is open, the board stops working.
11 - 12	Pneumatic safety device contact (normally close).
13 - 14	24 Vac outlet for photocell feed (Max 150 mA).
15 - 16	Universal contacts for electric lock.
17 - 18 - 19	Feed outlet for motor n. 1, (18 = Common, the board automatically recognises the motor's direction). Max. 500W 230V.
20 - 21 - 22	Feed outlet for motor n. 2, (21 = Common, the board automatically recognises the motor's direction). Max. 500W 230V.
23 - 24	Contact for blinking light 230V Max 10A.
25 - 26	Courtesy light contact: without electric tension, remote-control or time operated. Max 10A.
27 - 28	Antenna contact (metallic mesh of clamp 27).
29 - 30	Power supply of the board 230 Vac, 50 Hz.
31	Ground.

BOARD DEFAULT PARAMETERS

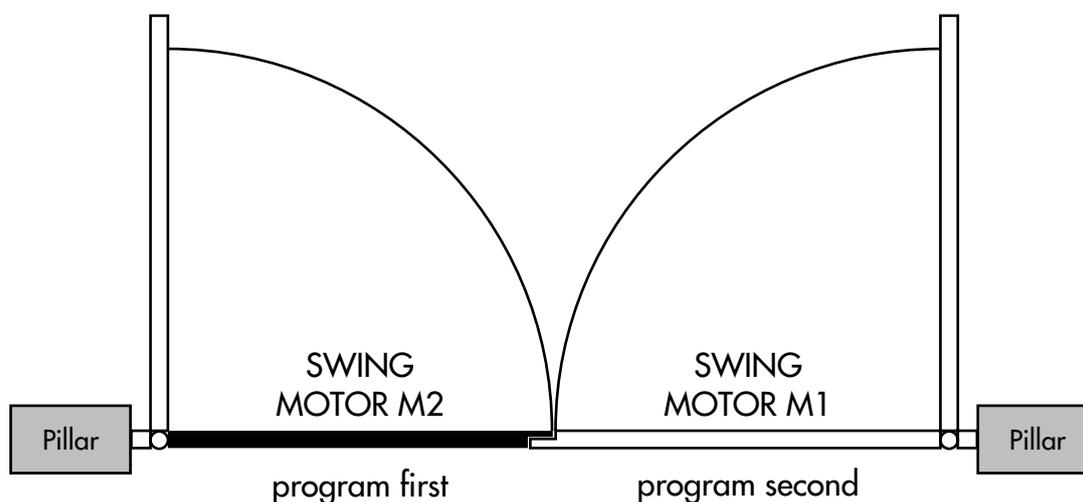
T1	: motor power for normal running phase - 0 = MAXIMUM TORQUE
T2	: motor power for lagging phase - 0 = MAXIMUM TORQUE
T3	: lagging timing - 4 = 2 SECONDS
T4	: swing delay timing - 3 = 1.5 SECONDS
T5	: pedestrian opening - 3 = 4.8 SECONDS
T6	: photocell driven lock timing - 1 = 3 SECONDS
T7	: automatic lock timing - 2 = 56 SECONDS
T8	: courtesy light timing - 0 = GATE OPEN PILOT LIGHT
T9	: pedestrian gate automatic lock timing - 1 = 28 SECONDS
F1	: electric lock - 0 = OFF (activating the electric lock, will also activate the ram trigger)
F2	: pre-opening blinking light - 0 = OFF
F4	: photocell setting for operation during opening - 0 = OFF
F5	: enable new timing charts for T3 and T7 - 0 = OFF
F6	: transform pneumatic device contact in photocell 2 contact - 0 = OFF

- Led 1 : Contact Aprire
- Led 2 : Pedestrian Opening
- Led 3 : Start / Stop
- Led 4 : Photocells
- Led 5 : Stop
- Led 6 : Pneumatic Safety Device
- Led 7 : Power Supply 24V



Programming running phases and work time of swings (Letter A on display)

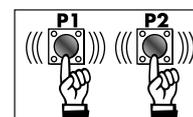
Set the gates to the fully shut position, verify that the electrical lock, if present, it's unlocked. The display must show the indication gate closed " I ". The swing with the stopper which will lock the gate must be programmed first. During the programming phase always set the torque to maximum. If installing only one motor, proceed anyway programming both swings with the same work time.



Programming Swing n. 2 (swing delayed when closing)

1. Power the board.

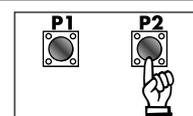
2. Press P1 and P2 simultaneously for three seconds to begin programming the board.



3. You should see A on the display

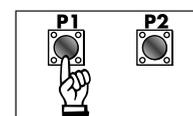


4. Press P2 to confirm.

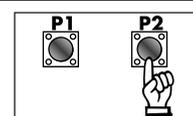


5. You should see n. 1 on display.

Press P1 until you see n. 2 on display

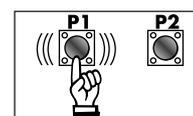


6. Press P2 to confirm



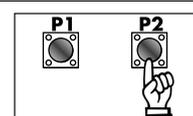
7. Press P1. If the swing starts to open, keep P1 pressed until it is fully open.

Release P1 once the swing is fully open.



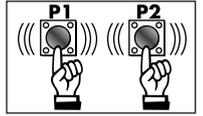
NOTE: If pressing P1 the swing starts to close, release P1. Next time you press P1, the swing will surely open. Follow the instructions in step 7.

8. Press P2 to store the setting of swing n. 2

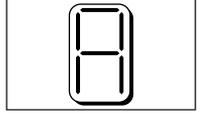


Programming Swing n. 1 (swing delayed when opening)

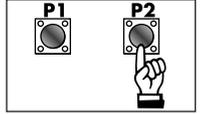
1. Press P1 and P2 simultaneously for three seconds to begin programming the board.



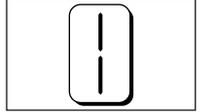
2. You should see letter A on the display.



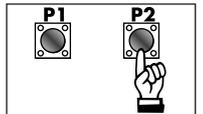
3. Press P2 to confirm.



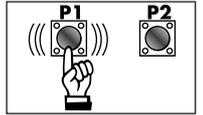
4. You should see n. 1 on the display.



5. Press P2 to confirm.

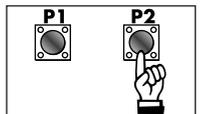


6. Press P1. If the swing starts to open, keep P1 pressed until it is fully open.
Release P1 once the swing is fully open.



NOTE: If pressing P1 the swing starts to close, release P1. Next time you press P1, the swing will surely open. Follow the instructions in step 6.

7. Press P2 to store the setting of the swing n. 1

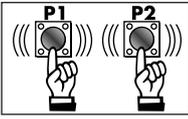
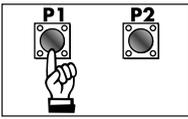
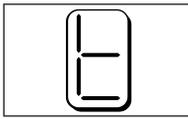
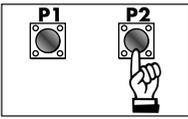
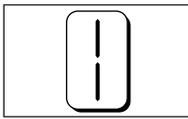
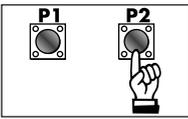
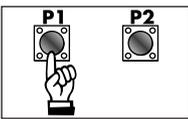
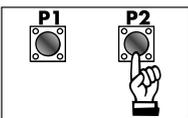


TIMING PROGRAMMING (Letter T on the display)

Programming parameter t1

As shown in the chart, the parameter T1 controls the motor torque during the normal running phase. You can select the value from 0 (maximum power) to 9 (minimum power).

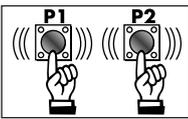
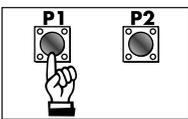
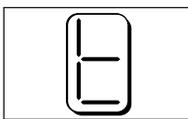
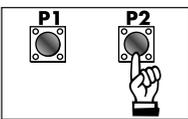
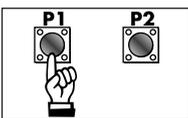
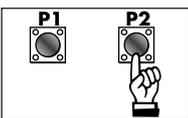
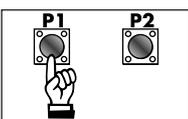
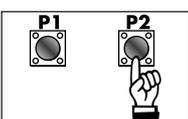
Programming motor torque:

- | | | | |
|--|---|---|--|
| 1. Set the board to programming phase by pressing P1 and P2 simultaneously for at least 3 seconds. |  | | |
| 2. Scroll the menu with P1 until letter t appears on the display. Press P2 to confirm. |  |  |  |
| 3. You should see n. 1. Press P2 to confirm. | |  |  |
| 4. Scroll the values from 0 and 9 with P1. | | |  |
| 5. Select a value and store it by pressing P2. | | |  |

NOTE: the board is set at 0 as default setting, which means that it is originally set with the maximum torque for the motors.

Programming of t2

The parameter T2 controls the motor torque during the lagging phase.

- | | | | |
|---|---|---|---|
| 1. Set the board in programming phase by pressing P1 and P2 simultaneously for at least 3 seconds. |  | | |
| 2. Scroll the menu with P1 until letter t appears on the display. Press P2 to confirm. |  |  |  |
| 3. You should see n. 1. Scroll the values with P1 until n. 2 will appear, then press P2 to confirm. |  |  |  |
| 4. Scroll the values from 0 and 9 with P1. | | |  |
| 5. Select the value and store it by pressing P2. | | |  |

NOTE: the board is set at 0 as default setting, which means that it is originally set with the maximum torque for the motors.

Programming of t3

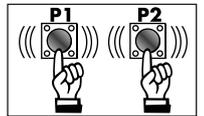
Parameter T3 controls the lagging timing of the gates during the initial opening phase and the final closure phase. The duration of the lagging phase can be selected from a minimum of 0 seconds to a maximum of 4.5 seconds. For all the possible settings see the chart:

On Display	Seconds
0	0
1	0.5
2	1
3	1.5
4	2
5	2.5
6	3
7	3.5
8	4
9	4.5

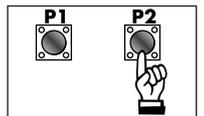
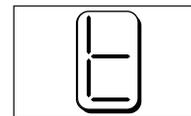
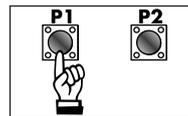
Attention!!! Every time the parameter T3 is changed, the swing work time must be reprogrammed

Setting the lagging time.

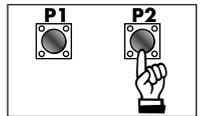
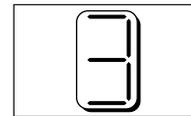
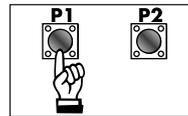
1. Set the board to programming phase by pressing P1 and P2 simultaneously for at least 3 seconds.



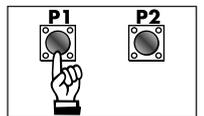
2. Scroll the menu with P1 until letter t appears on the display. Press P2 to confirm.



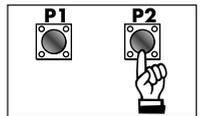
3. You should see n. 1 on the display. Scroll the values with P1 until n. 3 appears, then press P2 to confirm.



4. Scroll the values from 0 to 9 with P1.



5. Select the value. Notice that each value means a specific time (see the chart), then press P2 button to confirm (i.e.: value 5 on the display means a lagging time of 2.5 seconds)



NOTE: the board has a default setting of 4 (lagging time: 2 seconds)

NOTE: for a correct lagging operation, the motor torque in T2 should be less or equal than the motor torque during the normal running phase T1

Programming of t4

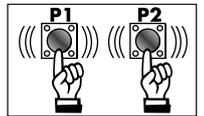
By programming t4, you set the delay time of swing n. 1 in relation to swing n. 2 in the opening phase, and the delay time of swing n. 2 in relation of swing n. 1 in the closing phase.

In the chart, you can see all the possible delay times:

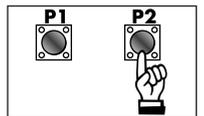
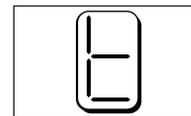
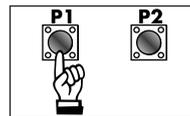
On Display	Seconds
0	0
1	0.5
2	1
3	1.5
4	2
5	2.5
6	3
7	3.5
8	4
9	4.5

How to set the delay time:

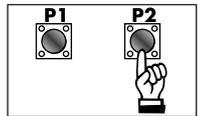
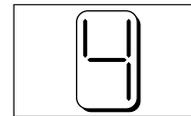
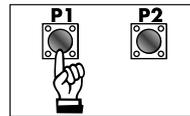
1. Set the board to programming phase by pressing P1 and P2 simultaneously for at least 3 seconds.



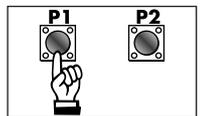
2. Scroll the menu with P1 until letter t appears on the display. Press P2 to confirm.



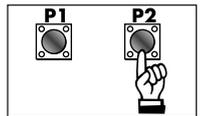
3. The display will show n. 1. Scroll the values with P1 until n. 4 appears then press P2 to confirm.



4. Scroll the values from 0 to 9 with P1.



5. Select the value. Notice that each value corresponds to specific time (see the chart), then press P2 to confirm (i.e.: value 5 on the display corresponds to a delay time of 2.5 seconds)



NOTE: the board default value is 3 (delay time of 1.5 seconds).

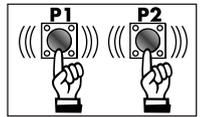
Programming of t5

In Sirio 3, you can select a customised opening for the pedestrian gate by setting the motor's running time. All the available timings are shown in the chart:

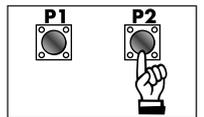
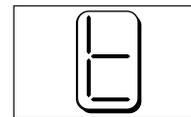
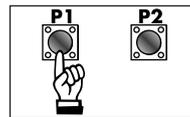
On Display	Seconds
0	0
1	1.6
2	3.2
3	4.8
4	6.4
5	8
6	9.6
7	11.2
8	12.8
9	14.4

To a higher motor running time corresponds a wider swing opening.
Programming the parameter t5:

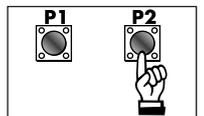
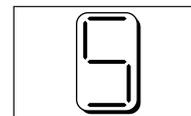
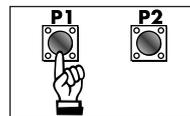
1. Set the board to programming phase by pressing P1 and P2 simultaneously for at least 3 seconds.



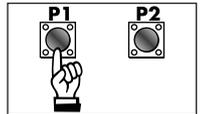
2. Scroll the menu with P1 until letter t appears on the display. Press P2 to confirm.



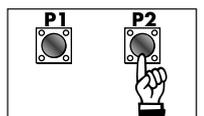
3. The display will show n. 1. Scroll the values with P1 until n. 5 appears, then press P2 to confirm.



4. Scroll the values from 0 to 9 with P1.



5. Select the value. Notice that each value corresponds to a specific time (see the chart). Press P2 to confirm (i.e.: value 5 on the display means a motor running time of 8 seconds)



NOTE: the board default values is 3 (motor running time of 4.8 seconds).

Programming of t6

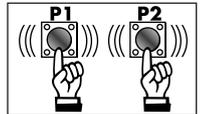
The parameter T6 sets the automatic closure time of the gate by means of photocell, i.e.: after the photocell is trespassed, the gate will be shut no matter the closure time set on the parameter T7.

The closure time for the photocell can be set from a minimum of 3 seconds to a maximum of 27 seconds. This function can also be disabled (see the chart):

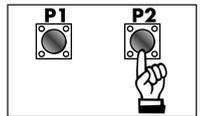
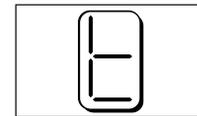
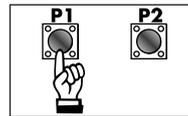
On Display	Seconds
0	OFF
1	3
2	6
3	9
4	12
5	15
6	18
7	21
8	24
9	27

Programming the parameter t6:

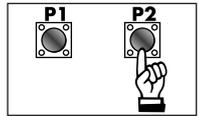
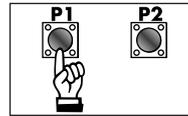
1. Set the board to programming phase by pressing P1 and P2 simultaneously for at least 3 seconds.



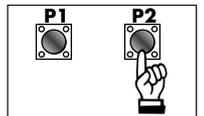
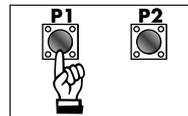
2. Scroll the menu with P1 until letter t appears on the display. Press P2 to confirm.



3. The display will show n. 1. Scroll the values with P1 until n. 6 appears, then press P2 to confirm.



4. Scroll the values from 0 to 9 with P1. Select the value. Notice that each value corresponds to a specific time (see the chart). Press P2 to confirm (i.e.: value 5 on the display means an automatic closure time of 15 seconds)



NOTE: the board default value is 1 (photocell lock time of 3 seconds).

NOTE: if the automatic closure option T7 is turned off, the photocell automatic lock will be disabled.

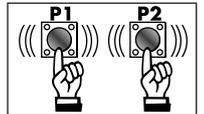
Programming of t7

By setting t7, you can program the automatic lock time. The automatic lock time varies from 28 seconds (minimum) to 252 seconds = 4 minutes 12 seconds (maximum). You can also turn off this function (see the chart):

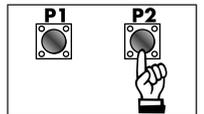
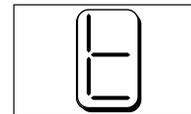
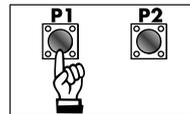
On Display	Seconds
0	OFF
1	28
2	56
3	84
4	112
5	140
6	168
7	196
8	224
9	252

Programming the parameter t7:

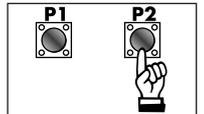
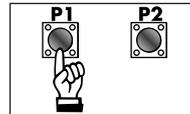
1. Set the board to programming phase by pressing P1 and P2 simultaneously for at least 3 seconds.



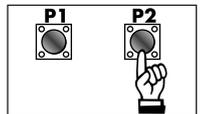
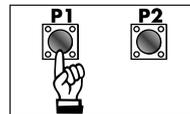
2. Scroll the menu with P1 until letter t appears on the display. Press P2 to confirm.



3. The display will show n. 1. Scroll the values with P1 until n. 7 appears, then press P2 to confirm.



4. Scroll the values from 0 to 9 with P1. Select the value. Notice that each value corresponds to a specific time (see the chart). Press P2 to confirm (i.e.: value 5 on the display means an automatic closure time of 140 seconds)



NOTE: the board default value is 2 (automatic lock time of 56 seconds).

NOTE: the automatic lock countdown timer starts when the gate is fully open.

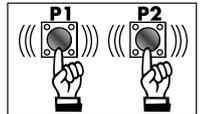
Programming of t8

Parameter t8 controls the courtesy light timing. The courtesy light time varies from 28 seconds (minimum) to 252 seconds (maximum). You can also turn off this function (see the chart):

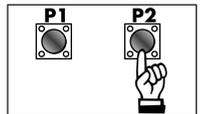
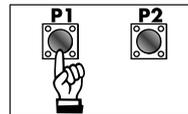
On Display	Seconds
0	Gate pilot light
1	28
2	56
3	84
4	112
5	140
6	168
7	196
8	224
9	252

Programming of the parameter t8

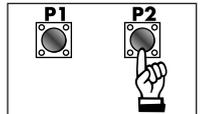
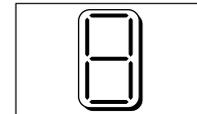
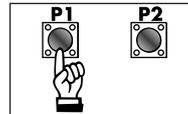
1. Set the board to programming phase by pressing P1 and P2 simultaneously for at least 3 seconds.



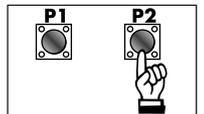
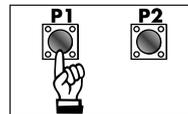
2. Scroll the menu with P1 until letter t appears on the display. Press P2 to confirm.



3. The display will show n. 1. Scroll the values with P1 until n. 8 appears, then press P2 to confirm.



4. Scroll the values from 0 to 9 with P1. Select the value. Notice that each value corresponds to a specific time (see the chart). Press P2 to confirm (i.e.: value 5 on the display means a courtesy light time of 140 seconds)



NOTE: if you operate the courtesy light with the remote control, it will remain ON until you press again the button on the remote control, or until you open/shut the gate again. If you select the "open gate" pilot light parameter, it will not be possible to operate the courtesy light with the remote control.

NOTE: The board default setting is 0 (open gate pilot light).

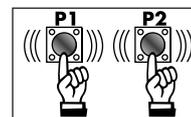
Programming of t9

With t9, you can set the automatic lock time of the pedestrian gate. The automatic lock time varies from 28 seconds (minimum) to 252 seconds = 4 minutes and 12 seconds (maximum). You can also turn off this function (see the chart).

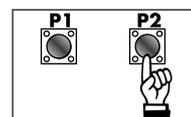
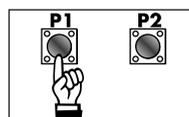
On Display	Seconds
0	OFF
1	28
2	56
3	84
4	112
5	140
6	168
7	196
8	224
9	252

Programming of parameter t9

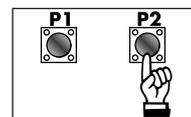
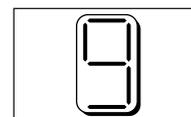
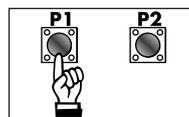
1. Set the board to programming phase by pressing P1 and P2 simultaneously for at least 3 seconds.



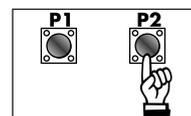
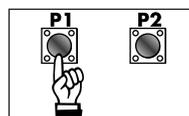
2. Scroll the menu with P1 until letter t appears on the display. Press P2 to confirm.



3. The display will show n. 1. Scroll the values with P1 until n. 9 appears, then press P2 to confirm.



4. Scroll the values from 0 to 9 with P1. Select the value. Notice that each value corresponds to a specific time (see the chart). Press P2 to confirm (i.e.: value 5 on the display means an automatic closure time of 140 seconds)



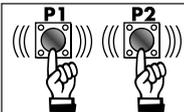
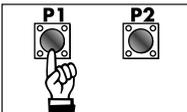
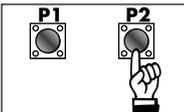
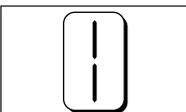
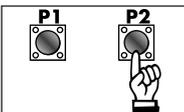
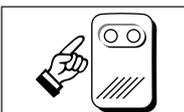
NOTE: The board default setting value is 1 (automatic lock time = 28 seconds).

Programming remote control codes (Letter C on the display)

Programming the parameter C1: step-by-step logic (start/stop).

With C1, you can store up to 96 different codes in step-by-step logic.

Storing one or more radio codes:

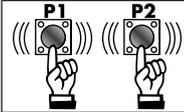
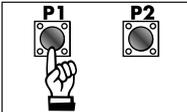
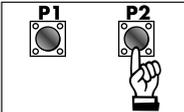
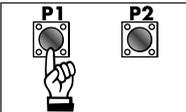
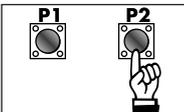
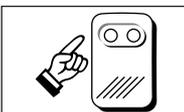
1. Set the board to programming phase by pressing P1 and P2 simultaneously for at least 3 seconds. 
2. Scroll the menu with P1 until letter C appears on the display. Press P2 to confirm.   
3. The display will show n. 1, press P2 to confirm.  
4. Push a button on the remote to memorize the code. 

NOTE: when entering a code already stored, the code will be deleted from the memory of the board.

Programming the parameter C2: non step-by-step logic (open only).

With parameter C2, you can store up to a maximum of 96 codes in non step-by-step logic.

Storing one or more radio codes:

1. Set the board to programming phase by pressing P1 and P2 simultaneously for at least 3 seconds. 
2. Scroll the menu with P1 until letter C appears on the display. Press P2 to confirm.   
3. The display will show n. 1. Scroll the values with P1 until n. 2 appears.  
4. Press P2 to confirm. 
5. Push a button on the remote to memorize the code. 

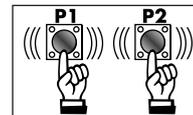
NOTE: when entering a code already stored, the code will be deleted from the memory of the board.

Programming of the parameter C3: opening pedestrian gate with remote control.

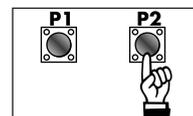
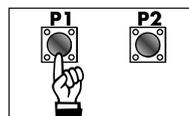
You can set a radio code to open the pedestrian gate with C3.

Storing the radio code:

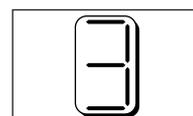
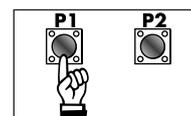
1. Set the board to programming phase by pressing P1 and P2 simultaneously for at least 3 seconds.



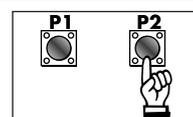
2. Scroll the menu with P1 until letter C appears on the display. Press P2 to confirm.



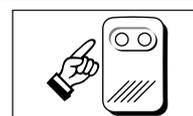
3. The display will show n. 1. Scroll the values with P1 until n. 3 appears.



4. Press P2 to confirm.



5. To store the code, press the correspondent button on the remote control.



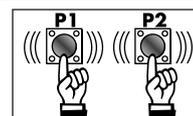
NOTE: when entering a code already stored, the code will be deleted from the memory of the board.

Programming the parameter C4: on/off courtesy light code.

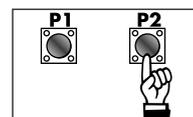
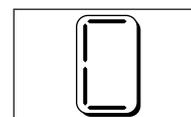
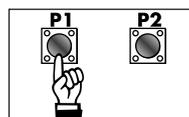
With C4 parameter you can set a radio code for turning the courtesy light OFF/ON, if available.

Storing radio code:

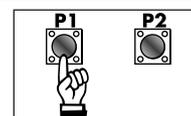
1. Set the board to programming phase by pressing P1 and P2 simultaneously for at least 3 seconds



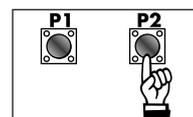
2. Scroll the menu with P1 until letter C appears on the display. Press P2 to confirm.



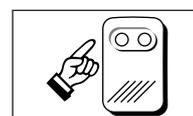
3. The display will show n.1. Scroll the values with P1 until n. 4 appears.



4. Press P2 to confirm.



5. To store the code, press the correspondent button on the remote control.

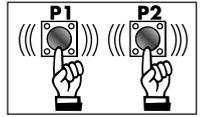


NOTE: when entering a code already stored, the code will be deleted from the memory of the board.

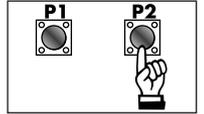
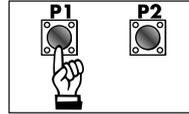
Programming the parameter C5 : deletion of all codes.

With the parameter C5, you can delete all the stored codes with one single operation:

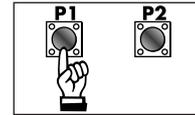
1. Set the board to programming phase by pressing P1 and P2 simultaneously for at least 3 seconds.



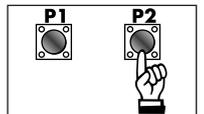
2. Scroll the menu with P1 until letter C appears on the display. Press P2 to confirm.



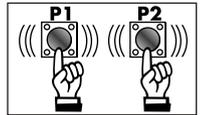
3. The display will show n. 1. Scroll the values with P1 until n. 5 appears.



4. Press P2 to confirm.



5. Press P1 and P2 simultaneously.

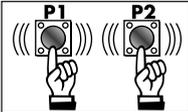
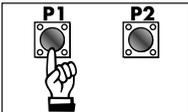
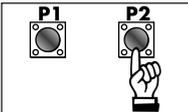
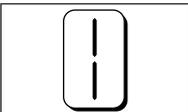
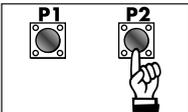
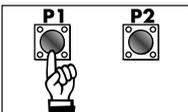
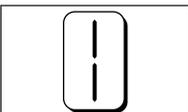
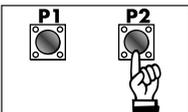


6. All codes have been deleted.

PROGRAMMING OF SECONDARY FUNCTIONS: (Letter F on the display)

Programming of the parameter F1: electric lock.

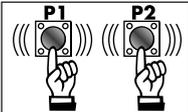
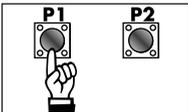
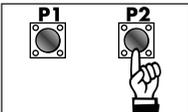
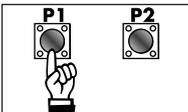
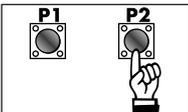
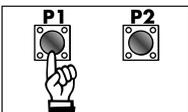
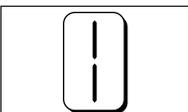
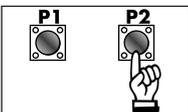
This function controls the gate's electric lock.
The board default value is 0 (electric lock disconnected).
To turn the electric lock on, follow the steps below:

1. Set the board to programming phase by pressing P1 and P2 simultaneously for at least 3 seconds. 
 2. Scroll the menu with P1 until letter F appears on the display. Press P2 to confirm.   
 3. The display will show n.1. Press P2 to confirm.  
 4. Scroll the values with P1 until n. 1 appears. Press P2 to confirm.   
 5. The electric lock is now on.
- NOTE: when the electric lock it's turned on, also the ram trigger will be activate.

Programming the parameter F2: pre-blinking in opening and closing operations.

If enabling the pre-blinking, the blinker will flash for 3 seconds before the gate start opening.
If this function is turned OFF, the blinker will start flashing when the gate start moving.
The board setting default value is 0 (pre-blinking light OFF).

Turning ON the pre-blinking light:

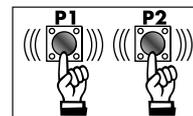
1. Set the board to programming phase by pressing P1 and P2 simultaneously for at least 3 seconds. 
2. Scroll the menu with P1 until letter F appears on the display. Press P2 to confirm.   
3. The display will show n. 1. Press P1 until n. 2 appears. Press P2 to confirm.   
4. With P1, select n. 1. Press P2 to confirm.   
5. The pre-blinking is now enabled.

Programming of the parameter F3: board reset function.

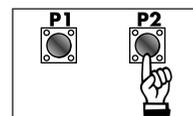
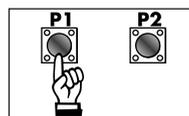
With F3, it's possible reset the board to default settings without deleting the remote control codes.

Resetting the board:

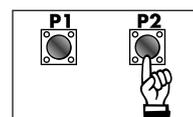
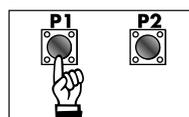
1. Set the board to programming phase by pressing P1 and P2 simultaneously for at least 3 seconds.



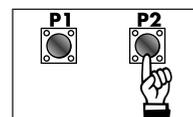
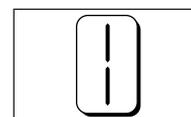
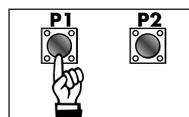
2. Scroll the menu with P1 until letter F appears on the display. Press P2 to confirm.



3. The display will show n. 1. Press P1 until n. 3 appears. Press P2 to confirm.



4. With P1, select n. 1. Press P2 to confirm.



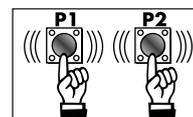
5. The board is resetted to the default values.

Programming of the parameter F4: enable photocells during opening operations.

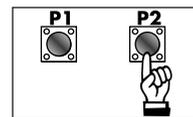
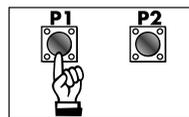
With this option it's possible to enable the photocells also during opening operations. The board default setting is 0, photocells not enabled during opening.

To activate the photocells during opening operations, follow the steps below:

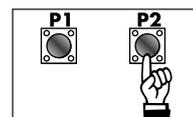
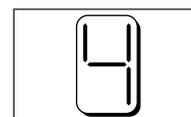
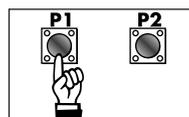
1. Set the board to programming phase by pressing P1 and P2 simultaneously for at least 3 seconds.



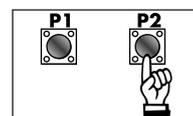
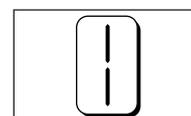
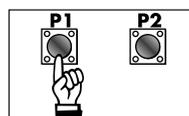
2. Scroll the menu with P1 until letter F appears on the display. Press P2 to confirm.



3. The display will show n. 1. Press P1 until n. 4 appears. Press P2 to confirm.



4. With P1, select n. 1. Press P2 to confirm.



5. Now the photocells are enabled.

Programming of the parameter F5: enable new timing charts for T3 and T7.

With this function it's possible to activate two new charts for the automatic lock T7 and lagging timing T3. The board default setting is 0, new charts not activated.

CHART T3

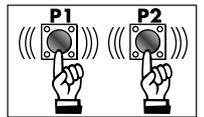
Display	Seconds
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9

CHART T7

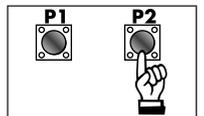
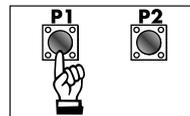
Display	Seconds
0	OFF
1	5
2	10
3	15
4	22
5	30
6	45
7	60
8	90
9	120

To activate the new charts, follow the steps below:

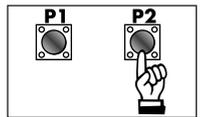
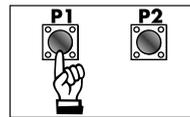
1. Set the board to programming phase by pressing P1 and P2 simultaneously for at least 3 seconds.



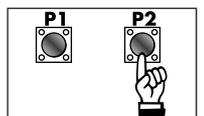
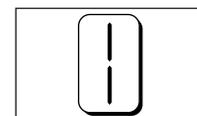
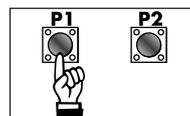
2. Scroll the menu with P1 until letter F appears on the display. Press P2 to confirm.



3. The display will show n. 1. Press P1 until n. 5 appears. Press P2 to confirm.e.



4. With P1, select n. 1. Press P2 to confirm.



Programming of the parameter F6: transform pneumatic device contact in photocell 2 contact.

This parameter change the costa contact into photocell 2 contact. This option is very useful when installing two pairs of photocells. The external photocells must be connected between 7-8 (photocells contact) and will work only during closing operations, the internal photocells must be connected between 11-12 (costa contact) and will work also during opening operations. If the internal photocells identify an obstacle while the gate is closing, they will stop the movement of the gate and reverse the movement only when the obstacle is removed.

To activate this function, follow the steps below:

- | | | | |
|--|--|--|--|
| 1. Set the board to programming phase by pressing P1 and P2 simultaneously for at least 3 seconds. | | | |
| 2. Scroll the menu with P1 until letter F appears on the display. Press P2 to confirm. | | | |
| 3. The display will show n. 1. Press P1 until n. 6 appears. Press P2 to confirm. | | | |
| 4. With P1, select n. 1. Press P2 to confirm. | | | |

The board default setting is 0, second pairs of photocells not activated.

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:

Devices and accessories are guaranteed for a period of 24 months after production, whose date is printed on each item. The company will replace or repair its devices, provided that they are returned to our factory with the warranty label in good conditions. In case of replacement of the returned items, these will remain property of the company.

The warranty does not include damages due to any incorrect use, such as: non fulfillment of the instruction detailed for each device, maintenance and servicing 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 if customer's payments are not fulfilled. Each device manufactured by our company meets the european safety standards.

Our company declines all responsibility for the non-observance of the safety rules by the installers.

In order to reduce the time spent for servicing the returned items, all faulty materials which have been sent back to us must be accompanied by the installer description of the item fault.



BAME s.r.l. - Via L. da Vinci, 23 - 46020 SAN GIACOMO SEGNATE (MN) - ITALY

Tel. +39 0376 616 638 - Fax +39 0376 629 456 - <http://www.bame.it> - <http://www.delma.it>

Unità locale: Via Enrico Berlinguer, 6 - 63844 GROTTAZZOLINA (FM) - ITALY

Tel. +39 0734 633 533 - Fax +39 0734 636 895 - e-mail: delma@bame.it - venditedelma@bame.it