TAPSER 2

ELECTRONIC CONTROL BOARD FOR SLIDING GATES

ba me

DELMA

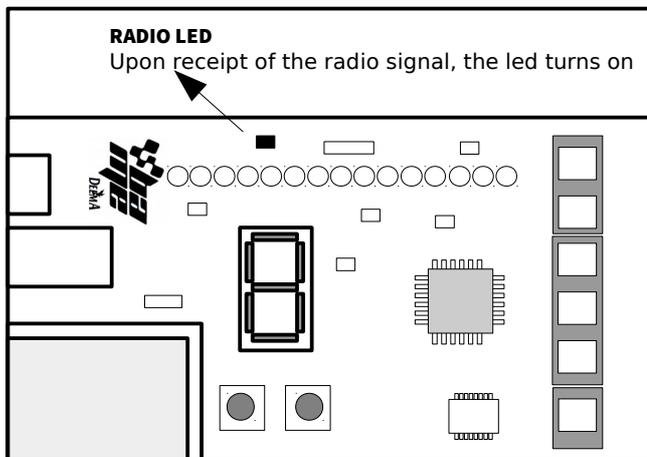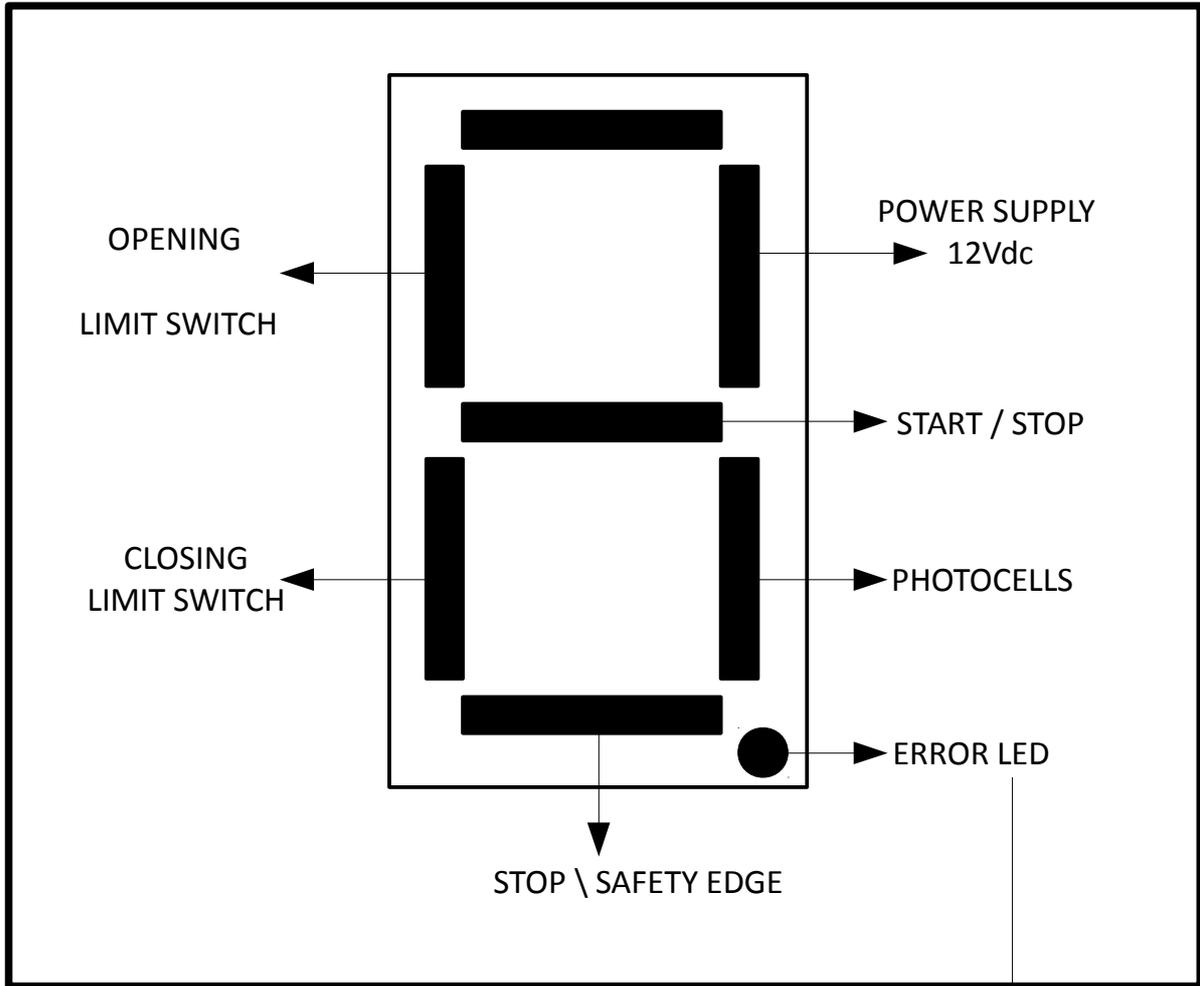## MANUAL

V6

TAPSER 2

SUMMARY AND DEFAULT VALUE

DESCRIPTION	PARAMETER	DEFAULT VALUE	PAGE
Display e Led			3
Connections - Motor			4
Connections - Accessories			5
WORKING TIME			
Working time		**40 seconds**	6
Extra time	t3	**2 seconds**	7
Automatic closing from photocell input	t4	**disabled**	8
Automatic closing	t5	**disabled**	9
Flashing light \ Courtesy lamp	t6	**Flashing light**	10
Pedestrian opening time	t7	**4 seconds**	11
REMOTE CONTROL			
Step by step (start\stop)	C1		12
Open	C2		12
Pedestrian	C3		13
Courtesy light	C4		13
Delete memory	C5		14
SECONDARY FUNCTIONS			
Pre-flashing	F2	**disabled**	15
Setting photocell input	F3	**Photocell enabled during closing**	15
Setting stop input	F4	**Stop**	16
Setting open mode (start \ man present)	F5	**Start \ stop**	17
Reset control board	F6		18

Note:

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

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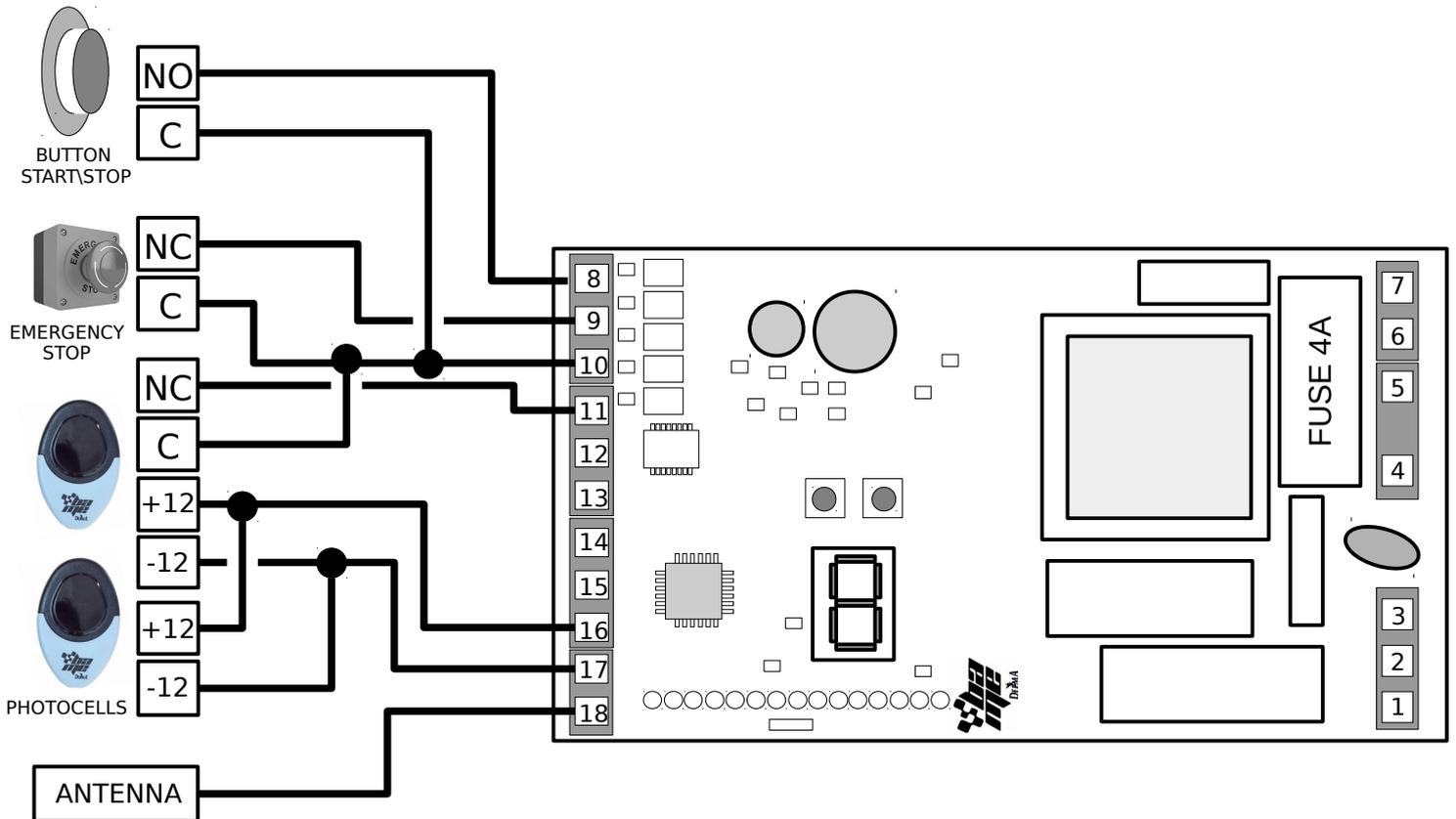
OPENING

LIMIT SWITCH

POWER SUPPLY
12Vdc

START / STOP

CLOSING
LIMIT SWITCH

PHOTOCELLS

ERROR LED

STOP \ SAFETY EDGE

RADIO LED
Upon receipt of the radio signal, the led turns on

GATE STATUS
. Switched on: closed gate
. 1 Flashing: moving gate
. Switched off: open gate

ERROR LED
. 2 flashes: external memory EEPROM damaged
. 3 flashes: STOP activated
. 4 flashes:photocell FTC activated
. 5 flashes:Microcontroller damaged
. 6 flashes:Internal memory RAM damaged
. 7 flashes: lossof programming parameters

ELECTRIC CONNECTIONS – MOTOR AND LIMIT SWITCH

	FUSE 4A		
7			LAMPEGGIANTE 230V
6			
5			ALIMENTAZIONE 230V
4			

CLOSING LIMIT SWITCH

COMMON

OPENING LIMIT SWITCH

LIMIT SWITCH

CAPACITOR

MOT. OPENS

MOT. CLOSES

COMMON

MOTOR

OPENING DIRECTION	1 – 2 - 3	MOTOR CONNECTIONS	1= OPEN + capacitor 2= CLOSE + capacitor 3= COMMON	1= BLACK 2= BROWN 3= BLUE
	4 - 5	POWER SUPPLY 230V		
	6 - 7	FLASHING LIGHT 230V		
	12 – 13 - 14	LIMIT SWITCH	12= CLOSING LIMIT SWITCH 13= COMMON 14= OPENING LIMIT SWITCH	

1 – 2 - 3	MOTOR CONNECTIONS	1= OPEN + capacitor 2= CLOSE + capacitor 3= COMMON	1= BROWN 2= BLACK 3= BLUE	OPENING DIRECTION
4 - 5	POWER SUPPLY 230V			
6 - 7	FLASHING LIGHT 230V			
12 – 13 - 14	LIMIT SWITCH	12= CLOSING LIMIT SWITCH 13= COMMON 14= OPENING LIMIT SWITCH		

DEFAULT WORKING TIME : 40 sec

ELECTRIC CONNECTIONS – ACCESSORIES

8 - 10	BUTTON START\STOP	8. START\STOP (NO) 10. COMMON
9 - 10	EMERGENCY STOP (NC)	9. STOP (NC) 10. COMMON
11 - 13	PHOTOCELLS	11. PHOTOCELLS (NC) 13. COMMON
16-17	ACCESSORIES POWER SUPPLY	16. +12VDC 17. -12VDC
18	ANTENNA	18. ANTENNA

At the end of all connection steps, the following **LEDS** on the dispaly need to be **ACTIVATED**:
- STOP
- PHOTOCELL
- POWER SUPPLY 12VDC
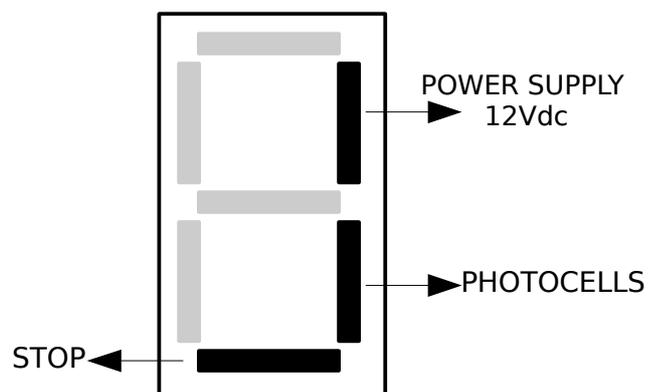
IF THEY ARE NOT ACTIVATED, PLEASE VERIFY ALL CONNECTIONS

5

1. Close the gate.

2. Give tension to the control board.

3. Bring the control board to programming by pressing P1 and P2 at the same time for 3 seconds .
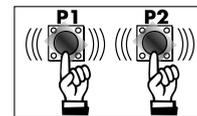
4. Letter A appears on the display.

5. Press P2 to confirm the choice.
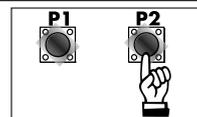
6. On the display appears number 1 with a flashing point.

7. Confirm by pressing P2
   On the display appears number 1.
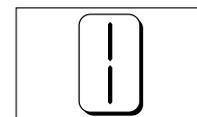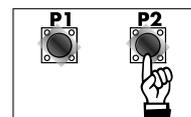
7. Press P1 or the button of the remote that has already been saved to open the gate.
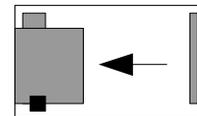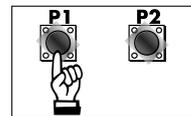
8. When the gate reaches the opening limit switch, press P1 or the button of the gate that has already been saved.
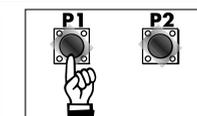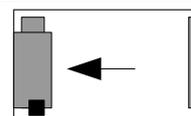
9. The operator closes automatically.
   When the gate reaches the closing limit switch press P1 or the button of the remote that has already been saved.
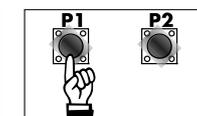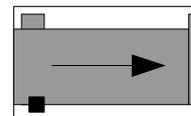
PARAMETER T3 – EXTRA TIME

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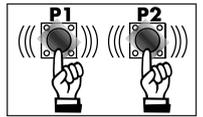
2. Step through the menu with P1 until letter T appears.

Press P2 to confirm.
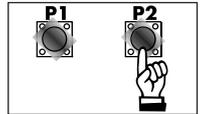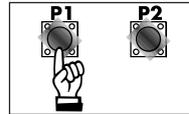
3. The display shows number 1. Step through the values with P1 until number 3 appears.
Press P2 to confirm.
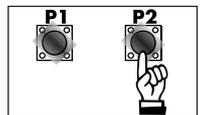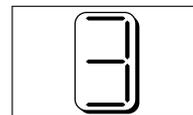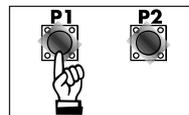
4. Step through the values among 0 and 9 with P1 and view the desider value
   (VIEW CHART).
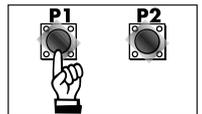
5. Press P2 to confirm.
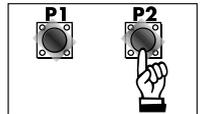
Setting of secondary parameters
(not necessary for a standard installation)

PARAMETER T4 - Automatic closure of the gate from photocell impulse

Values goes from 0 to 9

0 = function OFF

9 = closure after 27 seconds from the impulse

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

1. Press P1 and P2 simultaneously for three seconds to begin programming the board.
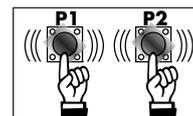
2. Letter A appear on the display. Scroll the menu with P1 until letter T appears on the display. Press P2 to confirm.
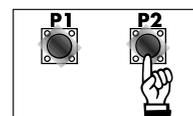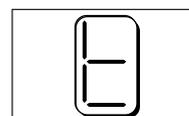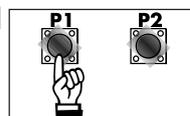
3. You should see 1 on the display. Scroll the values with P1 until 4 will appear on the display. Press P2 to confirm.
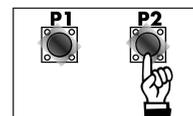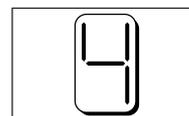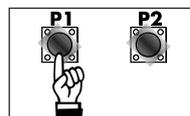
4. Select the value from 0 to 9 with P1 (SEE THE CHART).
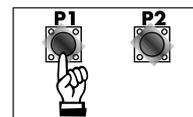
5. Press P2 to confirm.
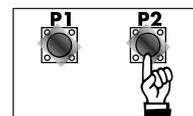
ATTENTION!!!!!! The control board has a default setting of 1 = 3 seconds.

ATTENTION!!!!!! If the automatic closure option T5 is turned off, the parameter T4 will be automatically disabled.

PARAMETER T5 - Timing for automatic closure

Values goes from 0 to 9
0 = function OFF
9 = closure after 240 seconds

| Display	Seconds
0	OFF
1	1
2	3
3	5
4	10
5	20
6	30
7	60
8	90
9	180

1. Press P1 and P2 simultaneously for three seconds to begin programming the board.
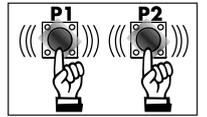
2. Letter A appear on the display. Scroll the menu with P1 until letter T appears on the display. Press P2 to confirm.
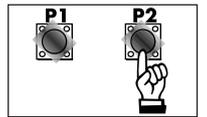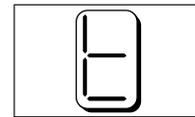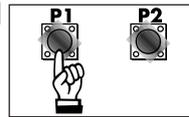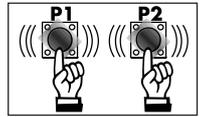
3. You should see 1 on the display. Scroll the values with P1 until 5 will appear on the display. Press P2 to confirm.
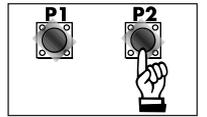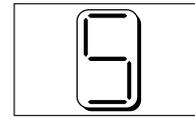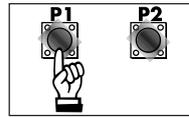
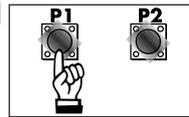4. Select the value from 0 to 9 with P1 (SEE THE CHART).
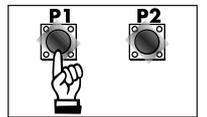
5. Press P2 to confirm.
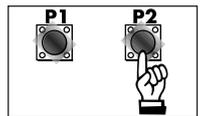
ATTENTION!!!!!! The control board has a default setting of 3 = 30 seconds.
ATTENTION!!!!!! This timing is valid also for the pedestrian opening.

PARAMETER T6 - Timing for courtesy light

Values goes from 0 to 9
0 = open gate pilot light
9 = switching off after 4,5 minutes

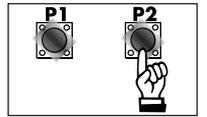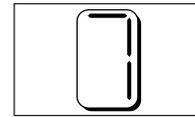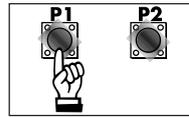| Display	Seconds
0	open gate pilot light
1	30
2	60
3	90
4	120
5	150
6	180
7	210
8	240
9	270

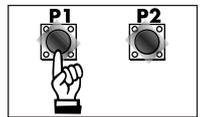1. Press P1 and P2 simultaneously for three seconds to begin programming the board.
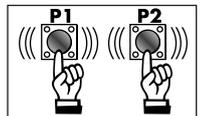
2. Letter A appear on the display. Scroll the menu with P1 until letter T appears on the display. Press P2 to confirm.
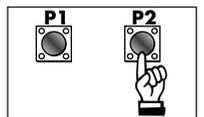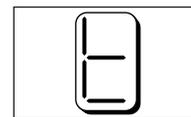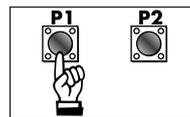
3. You should see 1 on the display. Scroll the values with P1 until 6 will appear on the display. Press P2 to confirm.
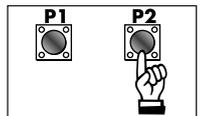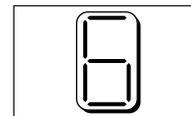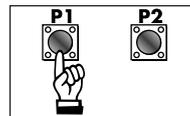
4. Select the value from 0 to 9 with P1 (SEE THE CHART).
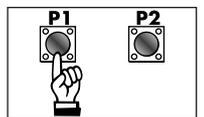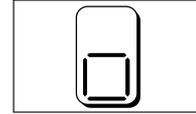
5. Press P2 to confirm.
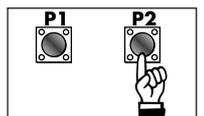
ATTENTION!!!!!! The control board has a default setting of 0 = open gate pilot light.
ATTENTION!!!!!! If the courtesy light will be operated with a remote control it will remain On until the next impulse from the remote control or until the gate will be closed or opened again.
ATTENTION!!!!!! If the value open gate pilot light will be selected it will not be possible to operate the courtesy light with the remote control.

PARAMETER T7 - Timing for pedestrian opening

Values goes from 0 to 9
0 = function OFF
9 = opening of 18 seconds

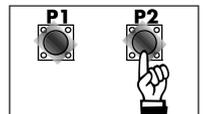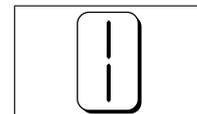| Display	Seconds
0	OFF
1	2
2	4
3	6
4	8
5	10
6	12
7	14
8	16
9	18

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

2. Letter A appear on the display. Scroll the menu with P1 until letter T appears on the display. Press P2 to confirm.
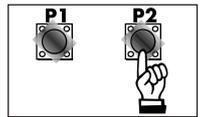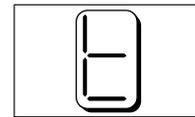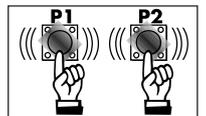
3. You should see 1 on the display. Scroll the values with P1 until 7 will appear on the display. Press P2 to confirm.

4. Select the value from 0 to 9 with P1 (SEE THE CHART).

5. Press P2 to confirm.
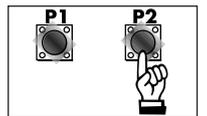
ATTENTION!!!!!! The control board has a default setting of 3 = 6 seconds.

Setting the remote control codes

NEW REMOTE

REMOTE ALREADY IN MEMORY

Parameter C1: STEP BY STEP CODE (open-stop-close-stop...)

1. Press P1 and P2 simultaneously for three seconds to begin programming the board.
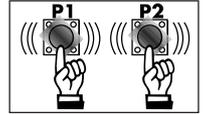
2. Letter A appear on the display. Scroll the menu with P1 until letter C appears on the display. Press P2 to confirm.
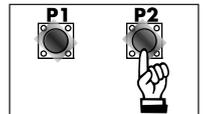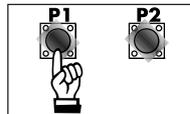
3. Display shows 1
Press P2 to confirm.

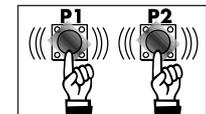4. Display shows 0 .
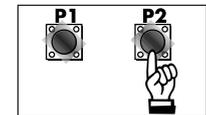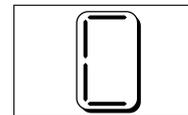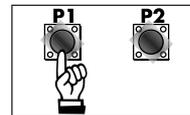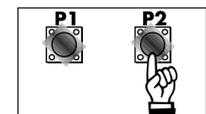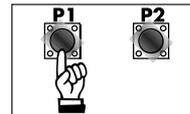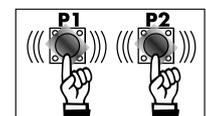Push the button on the remote to be learned.

5. Add other remote controls or press P1+P2 to exit

Parameter C2: OPEN

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

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

3. Display shows 1. Scroll the values with P1 until 2 will appear on the display. Press P2 to confirm.

4. Display shows 0 .
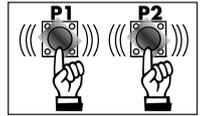Push the button on the remote to be learned.

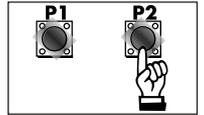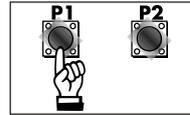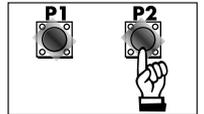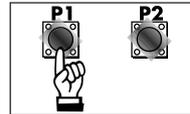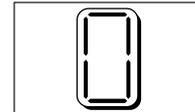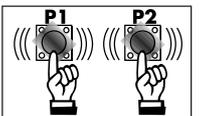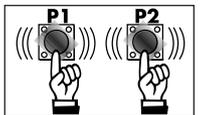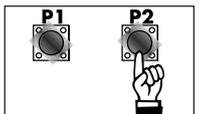5. Add other remote controls or press P1+P2 to exit

12

Parameter C3: PEDESTRIAN OPENING

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

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

3. Display shows 1. Scroll the values with P1 until 3 will appear on the display. Press P2 to confirm.

4. Display shows 0 . Push the button on the remote to be learned.
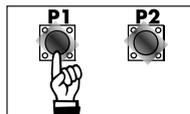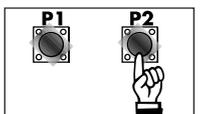
5. Add other remote controls or press P1+P2 to exit

ATTENTION !!!!!! Set the opening time with parameter T7

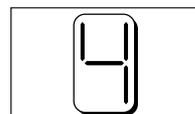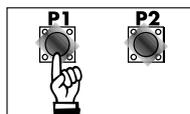## Parameter C4: COURTESY LIGHT

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

2. Letter A appear on the display. Scroll the menu with P1 until letter C appears on the display. Press P2 to confirm.
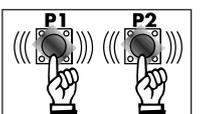
3. Display shows 1. Scroll the values with P1 until 4 will appear on the display. Press P2 to confirm.

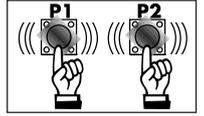4. Display shows 0 . Push the button on the remote to be learned.

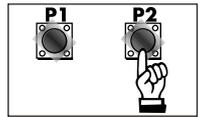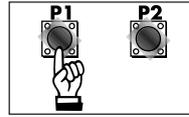5. Add other remote controls or press P1+P2 to exit

ATTENTION !!!!!! Set the opening time with parameter T6

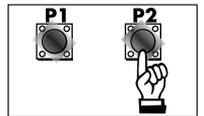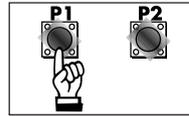## Parameter C5: ERASING OF ALL REMOTE CONTROL CODES

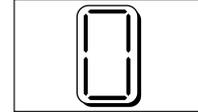1. Press P1 and P2 simultaneously for three seconds to begin programming the board.

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

3. Display shows 1. Scroll the values with P1 until 5 will appear on the display. Press P2 to confirm.
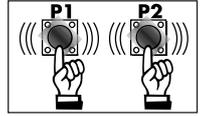
4. Display shows 0 . Push P1 + P2 to confirm

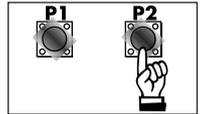5. All remotes has been deleted
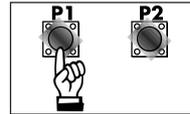
PARAMETER F2 – PRE- FLASHING

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

0: DISABLED
1: PRE-FLASHING 3 SEC

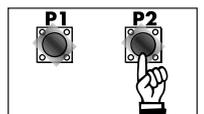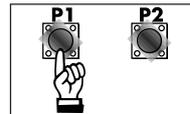|	
1. Bring the control board to programming by pressing at the same time P1 and P2 for 3 sec.	
2. Step through the menu with P1 until letter F appears. Press P2 to confirm.	
3. The display shows number 2. Press P2 to confirm.	
4. Step through the values 0- 1 with P1 and view the desired value.	
5. Press P2 to confirm.	

PARAMETER F3 – ACTIVATION PHOTOCELLS WHILE OPENING

The parameter allows to activae 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 P1until 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: SETTING STOP INPUT

0 = STOP (NC) = The board stops the motor.

1 = SAFETY EDGE (NC) = The board stops the motor and reverses the direction of the gate for 1 second long

1. Bring the control board to programming by pressing at the same time P1 and P2 for 3 seconds.
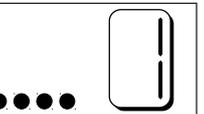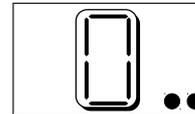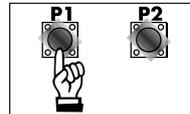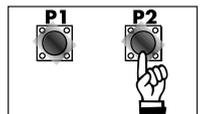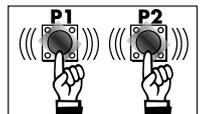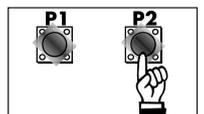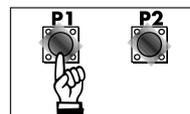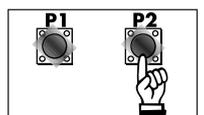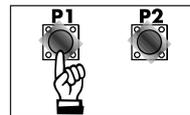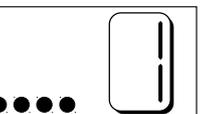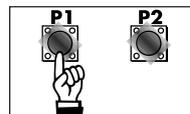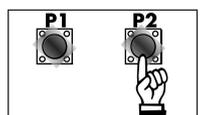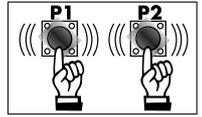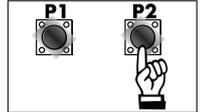
2. Slide the menu with P1 until letter F appears. Press P2 to confirm.
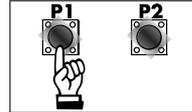
3. The display shows number 1. Slide with P1 until number 4 appears. Press P2 to confirm.

STOP (NC)

4. The display shows number 0. Press P2 to confirm.

SAFETY EDGE (NC)

4. Slide the menu with the button P1. The display shows number 1
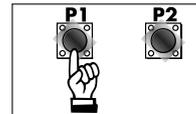
5. Press P2 to confirm the choice.
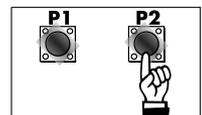
Parameter F5: SETTING OPEN MODE

0 = START \ STOP
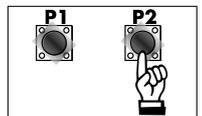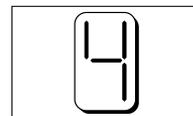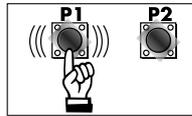1 = OPEN ONLY
2 = MAN PRESENT

1. Bring the control board to programming by pressing at the same time
   P1 and P2 for 3 seconds.
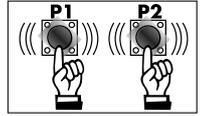
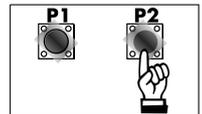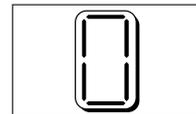2. Slide the menu with P1 until letter F appears.
   Press P2 to confirm.
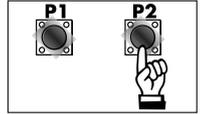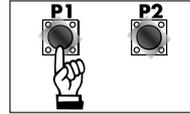
3. The display shows number 1.
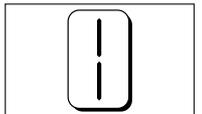   Slide with P1 until number 5 appears
   Press P2 to confirm.
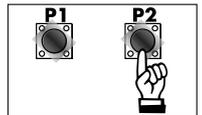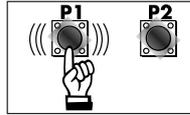
START \ STOP

4. The display shows number 0. Press P2 to confirm.
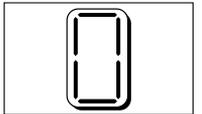
ONLY OPEN

4. Slide with P1 until number 1 appears
The control board accept only open command. It close with
automatic closing

MAN PRESENT

4. Slide with P1 until number 1 appears
The buttons need to be pushed until the operation is
completed.
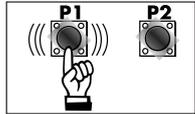
5. Press P2 to confirm the choice.
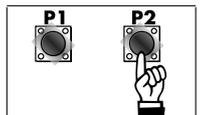
PARAMETER F6 – RESET OF THE CONTROL BOARD

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.	

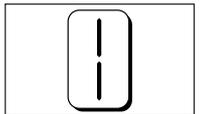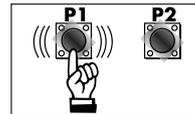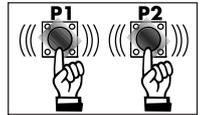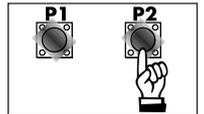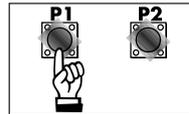|			
2. Step through the menu with P1 until letter F appears. Press P2 to confirm.			
3. The display shows number 1. Press P1 until number 6 appears. Press P2 to confirm.			
4. The display shows 0 Press P1 to step through the menu until 1			
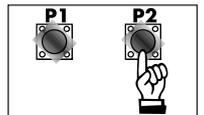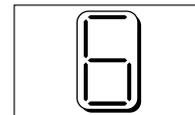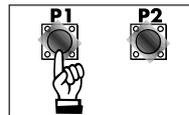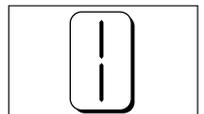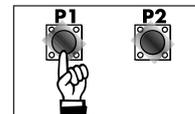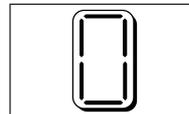
5. Press P2 to confirm	
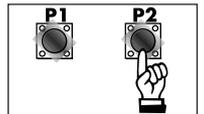
ATTENTION!!!
By making this operation, the codes of the remotes controls won't be cancelled

Remote control programming:

1	Press and keep pressed P2 for 3 secs	P1 P2
2	. Display shows 0 . Press the button on the remote control	
3	The display shows letter **U** when the remote is new and has been registered succesfuly The display shows letter **O** when the remote is already registered in the memory	**NEW** / ALREADY IN MEMORY
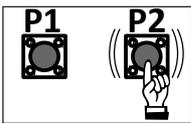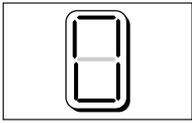
DISPLAY AND LED
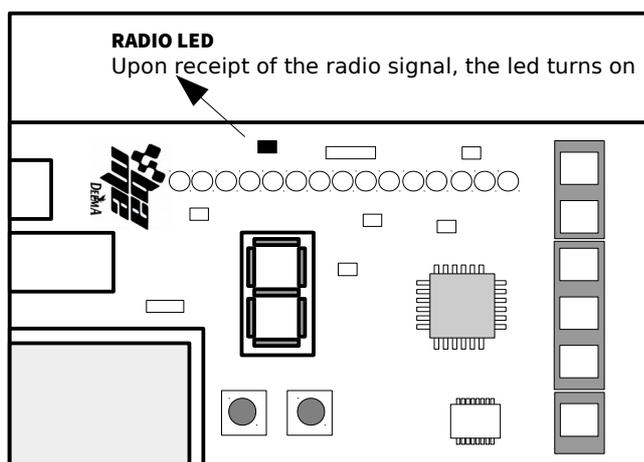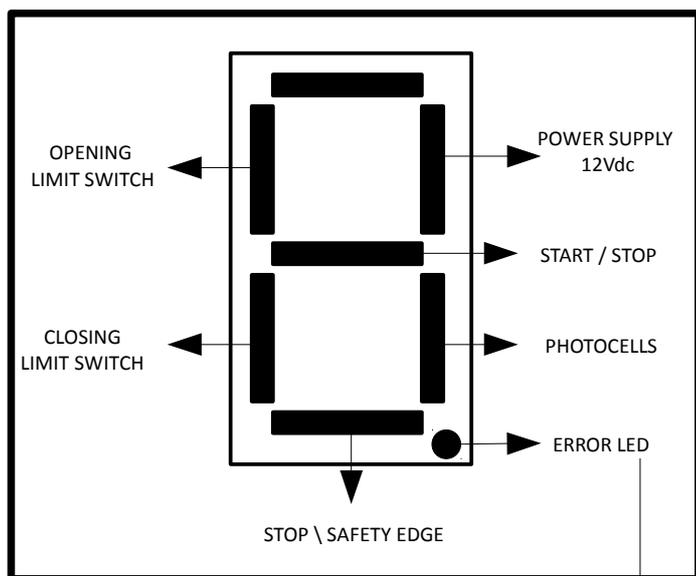
OPENING LIMIT SWITCH

POWER SUPPLY 12Vdc

START / STOP

CLOSING LIMIT SWITCH

PHOTOCELLS

ERROR LED

STOP \ SAFETY EDGE

RADIO LED
Upon receipt of the radio signal, the led turns on

GATE STATUS
. Switched on: closed gate
. 1 Flashing: moving gate
. Switched off: open gate

ERROR LED
. 2 flashes: external memory EEPROM damaged
. 3 flashes: STOP activated
. 4 flashes:photocell FTC activated
. 5 flashes:Microcontroller damaged
. 6 flashes:Internal memory RAM damaged
. 7 flashes: lossof programming parameters

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 dat, printed on each automation. BAME undertakes to repair or substitute the part upon return to the headquarter. To allows 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 coverd by warranty all those defects that depens 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