

**CONTROL BOARD FOR
SLIDING GATE
230 \ 400V**



MANUAL

**READ THIS MANUAL CAREFULLY
BEFORE PROCEEDING WITH THE INSTALLATION
KEEP THIS MANUAL FOR FUTURE REFERENCE**

MADE IN ITALY



GEMINI

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TECHNICAL SPECIFICATIONS

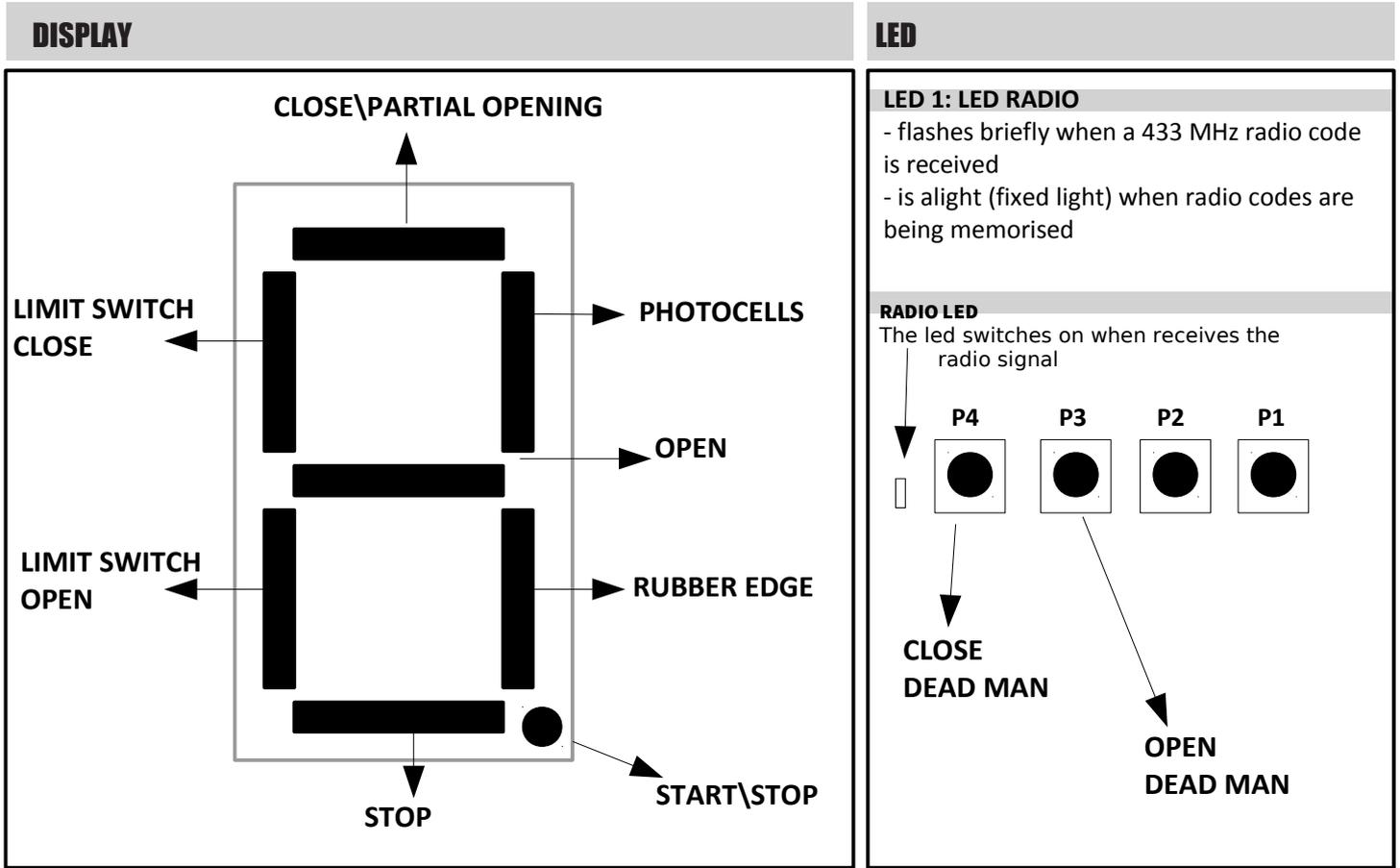
POWER SUPPLY	230 / 400V _ 50/60 Hz
MAX ADMITTED POWER	1500W / 2HP
POWER SUPPLY FUSES	4A
ACCESSORIES FUSES	2A
MAX POWER FOR ACCESSORIES 24V	45W
POWER DRAW WHEN IDLE	50 mA
WORKING TEMPERATURE	-20 / + 70°C

INPUT \ OUTPUT

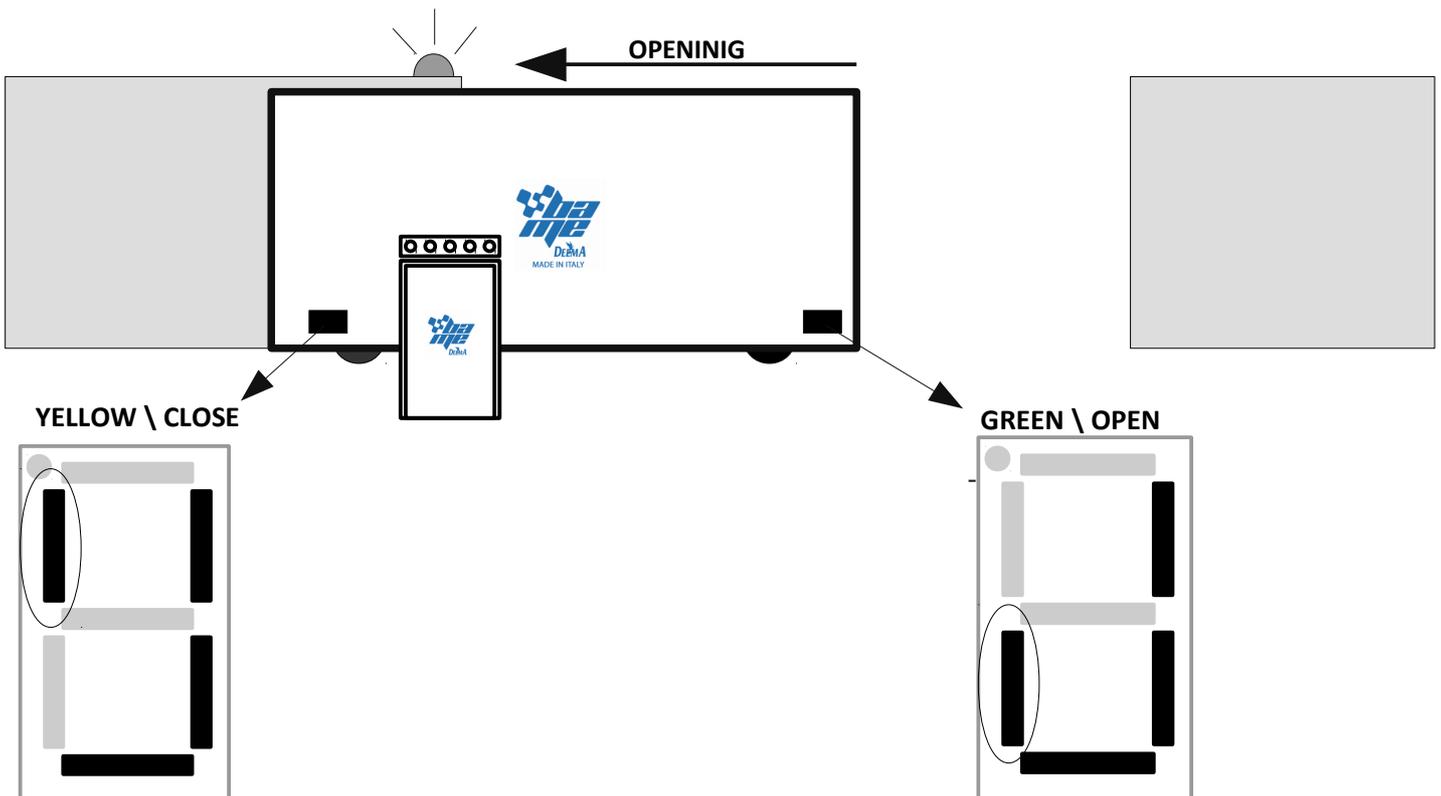
WORK INPUT - SETTABLE	3
SAFETY INPUT - SETTABLE	3
FLASHING LIGHT	24V
SETTABLE DRY CONTACT	1 (+2 WITH LIGHTS CONTROL BOARD)

Note:

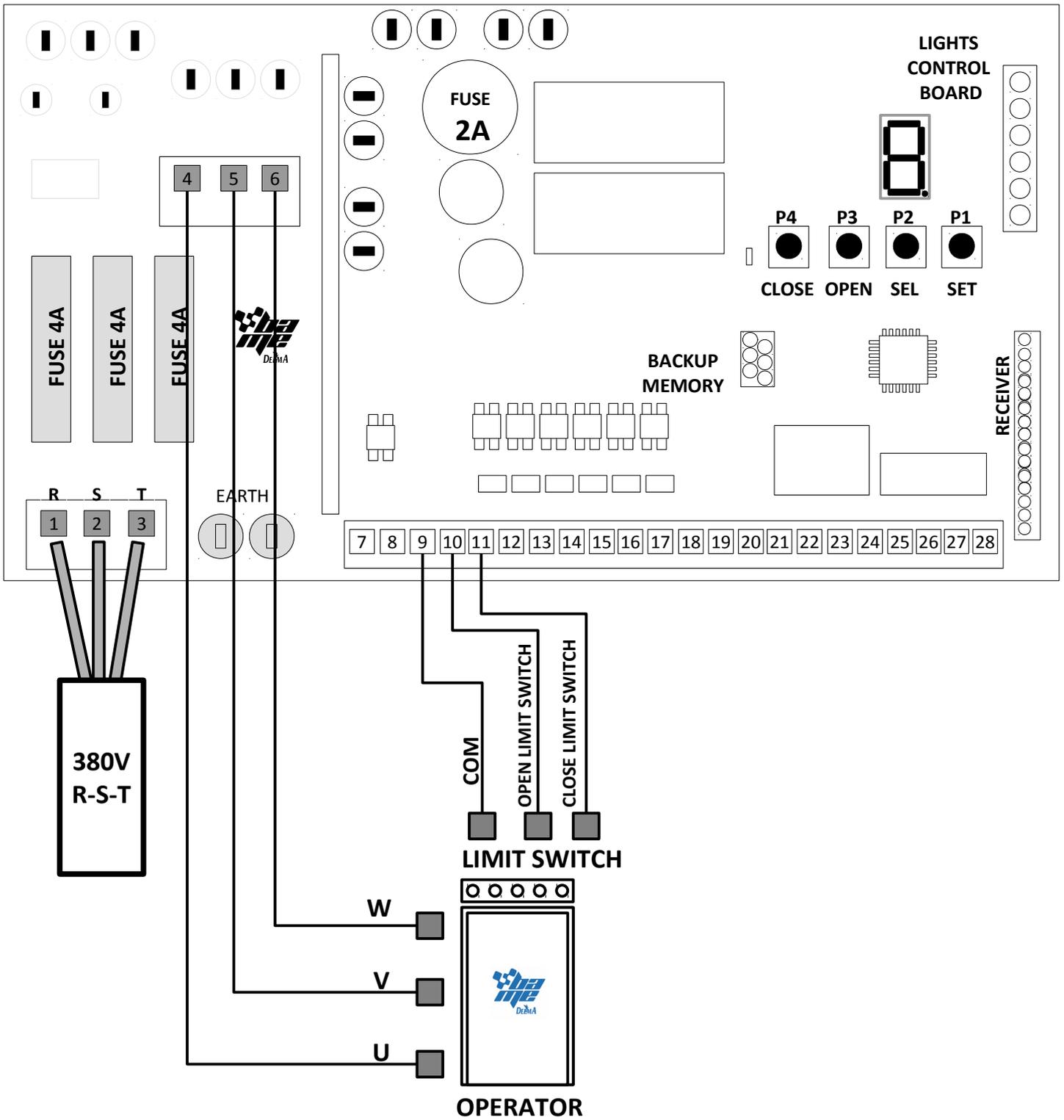
When installing the device, insert a switch with a contact opening of at least 3mm which ensures the equipment omni-polar disconnection from the power supply



LIMIT SWITCH: MAGNETICAL \ MECHANICAL

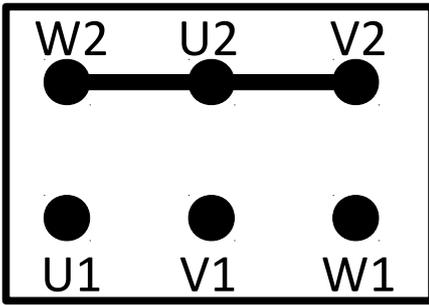


CONNECTIONS: MOTOR 3 PHASE

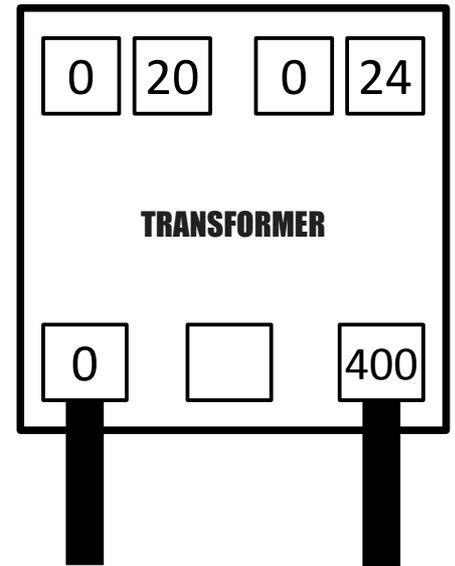


CONNECTIONS: MOTOR 3 PHASE - 400V

STAR CONNECTION



TRANSFORMER CONNECTION



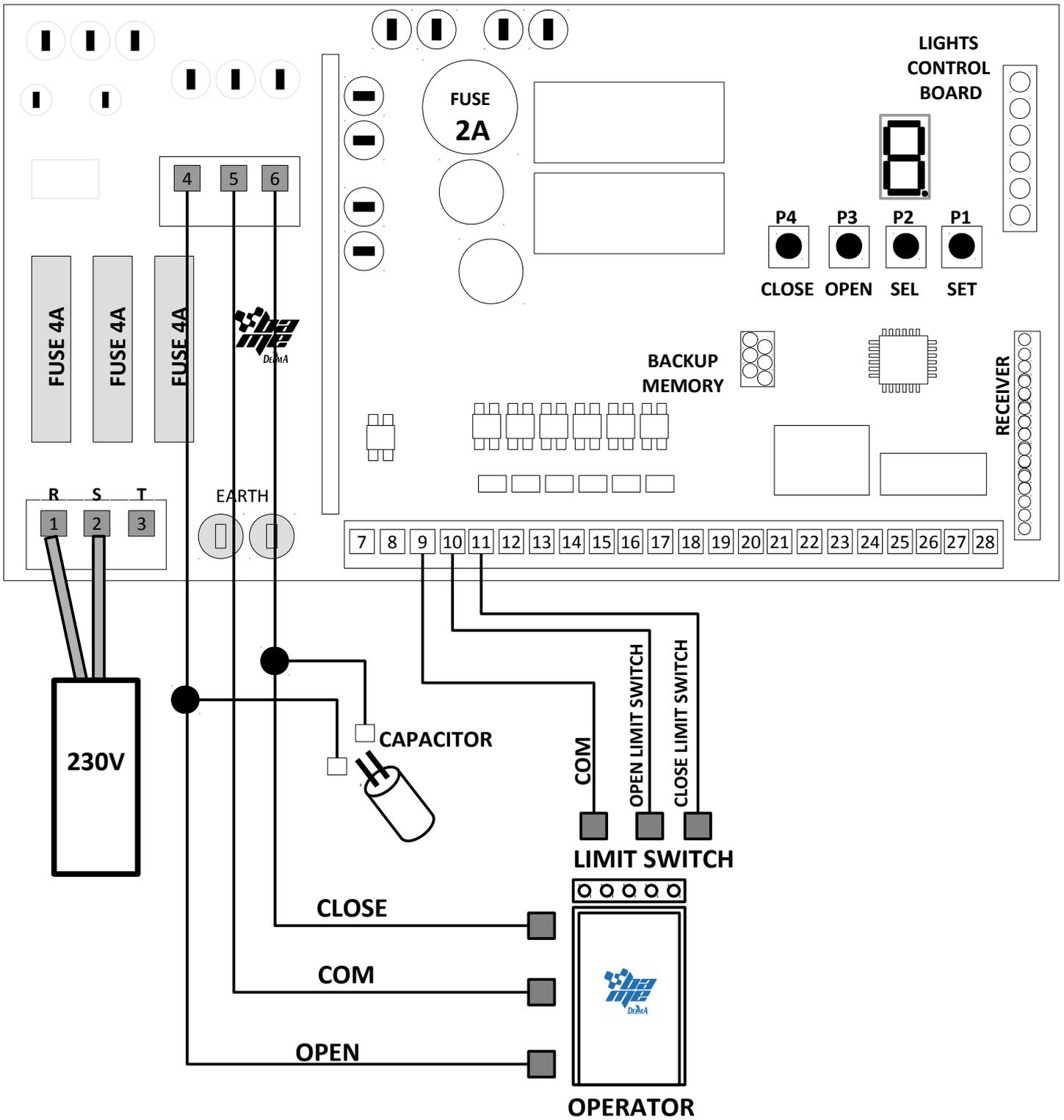
CONNECTION

1 - 2 - 3	POWER SUPPLY 400V	1. 400V - R 2. 400V - S 3. 400V - T
4 - 5 - 6	400V MOTOR	4. MOTOR - U 5. MOTOR - V 6. MOTOR - W
9 - 10 - 11	LIMIT SWITCH	9. COM 10. LIMIT SWITCH OPEN (NC) 11. LIMIT SWITCH CLOSE (NC)



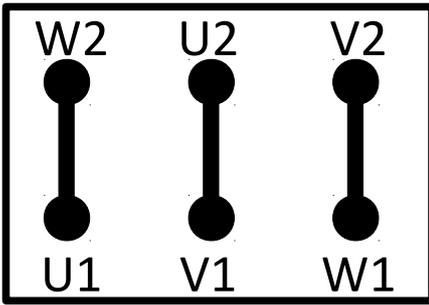
**BE CAREFUL
HIGH VOLTAGE
SWITCH OFF POWER SUPPLY
DURING CONNECTIONS**

CONNECTIONS: MOTOR SINGLE PHASE - 230V

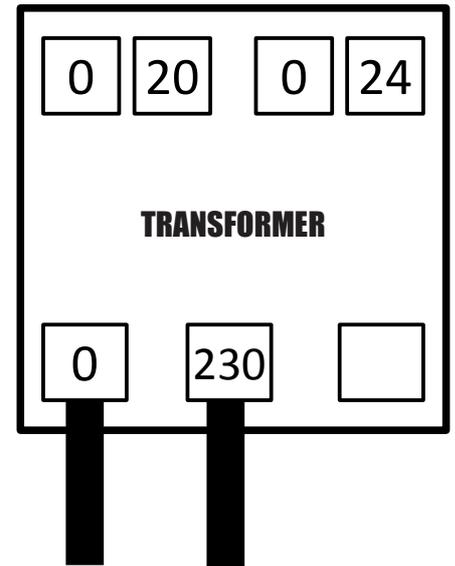


CONNECTIONS: MOTOR SINGLE PHASE 230V

DELTA CONNECTION



TRANSFORMER CONNECTION



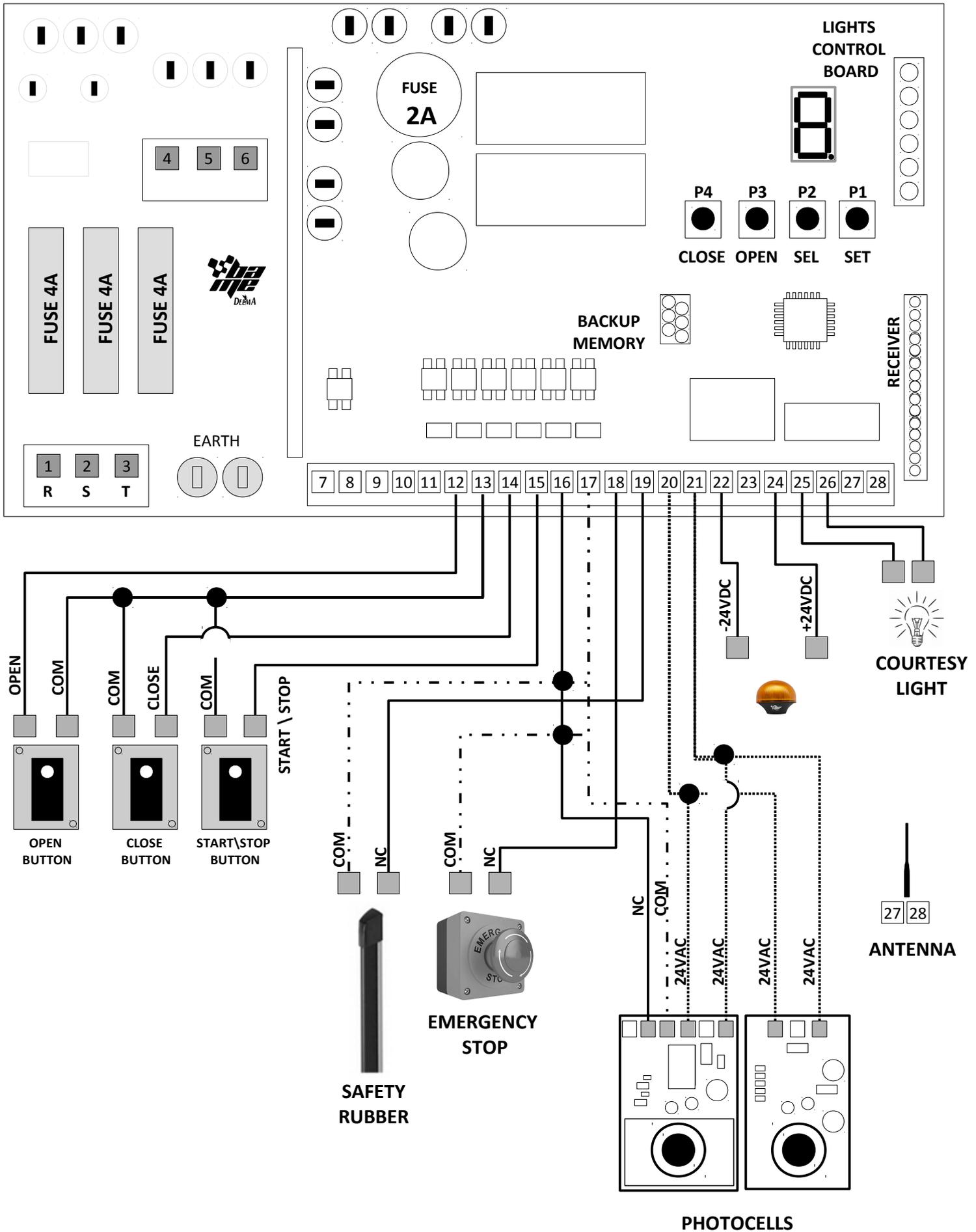
CONNECTION

1 - 2	POWER SUPPLY 230V	1. 230V - F 2. 230V - N
4 - 5 - 6	230V MOTOR	4. MOTOR - OPEN + CAPACITOR 5. MOTOR - COMMON 6. MOTOR - CLOSE + CAPACITOR
9 - 10 - 11	LIMIT SWITCH	9. COM 10. LIMIT SWITCH OPEN (NC) 11. LIMIT SWITCH CLOSE (NC)



**BE CAREFUL
HIGH VOLTAGE
SWITCH OFF POWER SUPPLY
DURING CONNECTIONS**

CONNECTIONS: ACCESSORIES



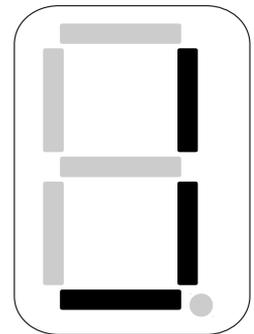
CONNECTIONS: ACCESSORIES

7 - 9	POWER SUPPLY 12Vdc	7. +12 Vdc 9. -12 Vdc
20 - 21	POWER SUPPLY 24Vac	20. 24VAC 21. 24VAC
16 - 17	SAFETY PHOTOCELLS <i>(MAKE JUMPER IF NOT USED)</i>	17. COM 16. PHOTOCELL (NC)
18 - 17	EMERGENCY STOP <i>(MAKE JUMPER IF NOT USED)</i>	17. COM 18. STOP (NC)
19 - 17	SAFETY RUBBER \ SECOND PHOTOCELLS <i>(MAKE JUMPER IF NOT USED)</i>	17. COM 18. SAFETY RUBBER \ SECOND PHOTOCELL (NC)
12 - 13	OPEN BUTTON	13. COM 12. OPEN (NO)
14 - 13	CLOSE BUTTON/ PEDESTRIAN OPENING	13. COM 14. CLOSE \ PEDESTRIAN (NO)
15 - 13	STEP by STEP	13. COM 15. STEP by STEP (NO)
22 - 23 - 24	FLASHING LIGHT	22. RED 23. GREEN 24. +24VDC
25 - 26	COURTESY LIGHT	Dry contact MAX 230V - 5A

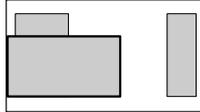
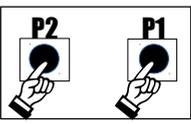
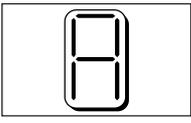
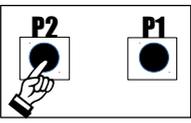
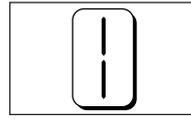
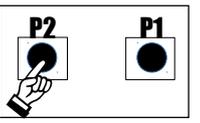
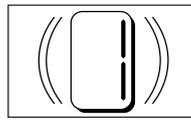
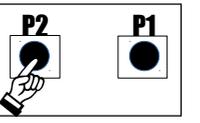
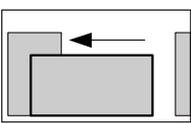
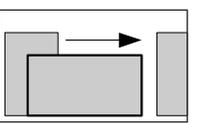
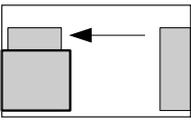
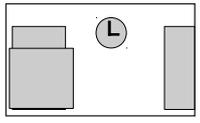
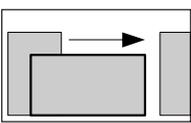
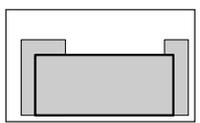
At the end of the connection operations, check that the Segments on the display

- STOP
- PHOTOCELL
- SAFETY EDGE

are accessed as in the figure

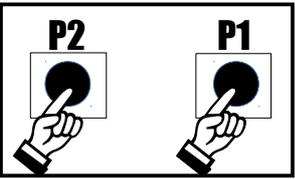


CHECK PARAMETER A2 TO SET THE DIRECTION

1	Power the control board. Set the gate in the middle position	 
2	Press P1 and P2 simultaneously for three seconds to begin programming the board.	
3	Letter A appear on the display.	
4	Press P2 to confirm.	
5	The number 1 appear on the display. Press P2 to confirm	 
6	Display shows 1 flashing Press P2 to start programming	 
7	. Gate performs a brief opening . Gate performs a complete closing until the limit switch	 
9	. Gate performs a complete opening until the limit switch . Wait for some seconds, gate automatically start closing	 
11	. Gate performs a complete closing until the limit switch . Programmation completed	 



**IN CASE OF ANY MISTAKE
PRESS P1+P2 TO EXIT
THE PROGRAMMATION**



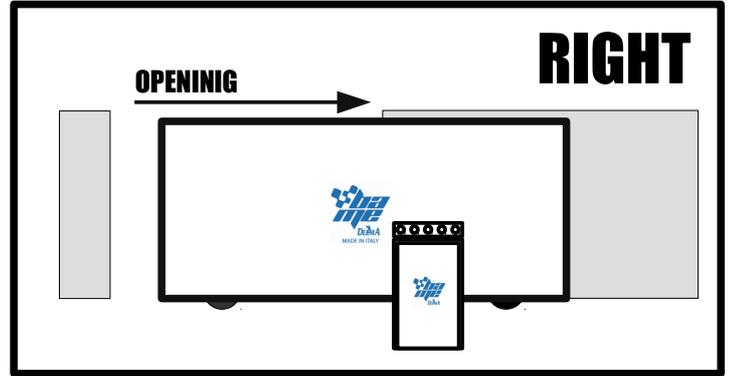
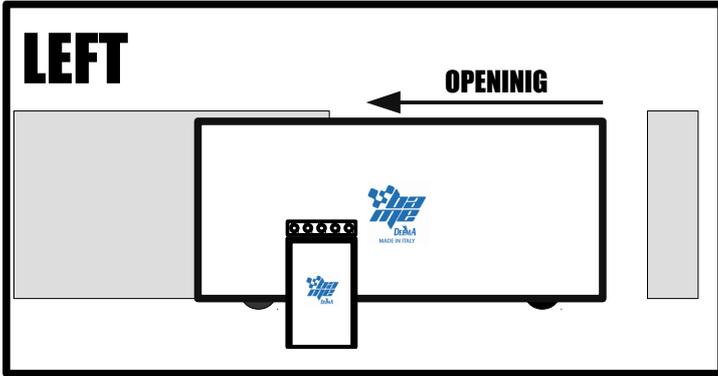
A2 : DIRECTION

Values goes from 0 to 1

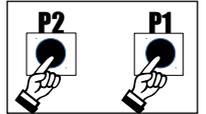
0 = RIGHT

1 = LEFT

INDICAZIONE DISPLAY	
0	RIGHT
1	LEFT



1. Press **P1** and **P2** simultaneously for three seconds to enter the menu



2. Display shows letter **A**

Press **P2** to confirm

Display shows **1**



3. Press **P1** to scroll the menu until nr. **2**

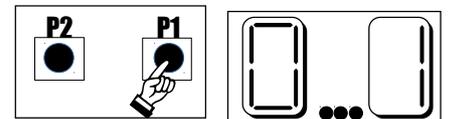
Display shows **1**

Press **P2** to confirm

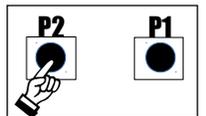


4. Scroll the value from **0** to **9** with button **P1**

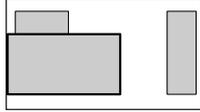
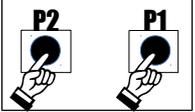
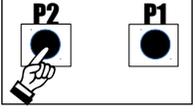
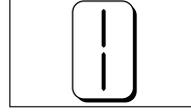
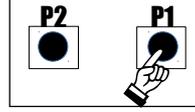
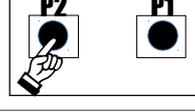
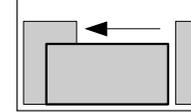
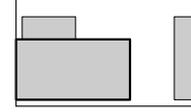
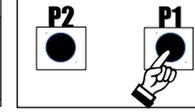
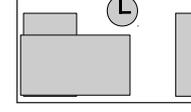
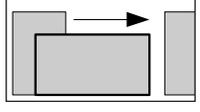
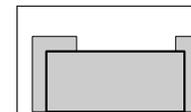
to set the correct value



5. Press P2 to confirm.

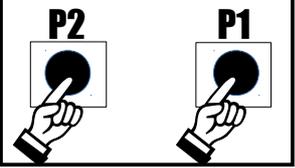


A3 : PEDESTRIAN OPENING TIME PROGRAMMATION

1	Power the control board. Set the gate in the middle position	 
2	Press P1 and P2 simultaneously for three seconds to begin programming the board.	
3	Letter A appear on the display. Press P2 to confirm.	 
4	Display shows 1 Press P1 to scroll the menu until nr. 3	 
5	When display shows nr. 3 press P2 to confirm	 
6	Display shows 1 flashing Press P2 to confirm	 
7	Gate start opening	
8	In the point the user want to set the parzial opening press P1 . opening point for parzial opening has been set	 
9	. Wait for some seconds . Gate start automatically to close until the limit switch	 
10	. Partial opening programmation completed	



**IN CASE OF ANY MISTAKE
PRESS P1+P2 TO EXIT
THE PROGRAMMATION**

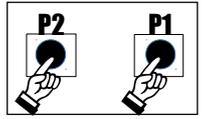


A4 : STEP BY STEP \ OPEN BY REMOTE

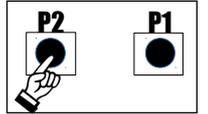
This function allow to set how the remote control memorized by parameter C1 has to work

DISPLAY	
0	STEP BY STEP
1	OPEN

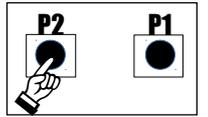
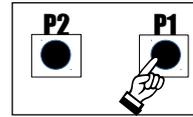
1. Press **P1** and **P2** simultaneously for three seconds to enter the menu



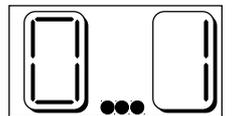
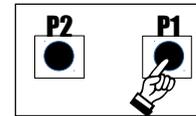
2. Display shows letter **A**
Press **P2** to confirm



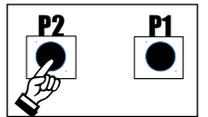
3. Display shows **1**
Scroll the menu with **P1** until the value **4**.
Press **P2** to confirm



4. Scroll the value from **0** to **1** with button **P1** to set the correct value



5. Press **P2** to confirm

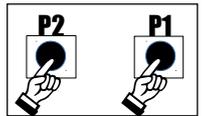


A5 : MASTER \ SLAVE

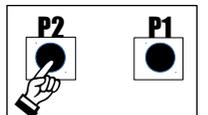
This function allow to set MASTER and SLAVE option

DISPLAY	
0	DISABLED
1	MASTER
2	SLAVE

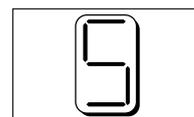
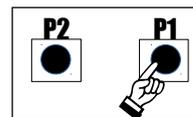
1. Press **P1** and **P2** simultaneously for three seconds to enter the menu



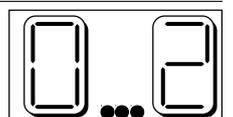
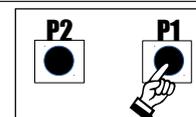
2. Display shows letter **A**
Press **P2** to confirm



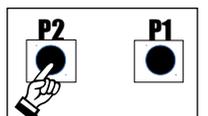
3. Display shows **1**
Scroll the menu with **P1** until the value **5**.
Press **P2** to confirm



4. Scroll the value from **0** to **2** with button **P1** to set the correct value

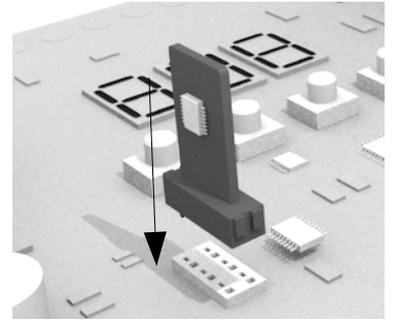


5. Press **P2** to confirm

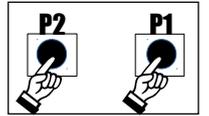


A6 : SAVE DATA ON BACKUP MEMORY

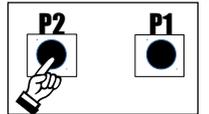
This function allow to save the DATA on the backup memory remotes, timing, functions will be saved for future use



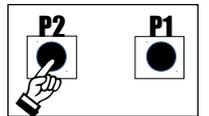
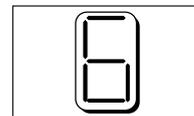
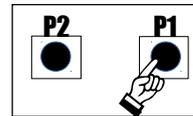
1. Press **P1** and **P2** simultaneously for three seconds to enter the menu



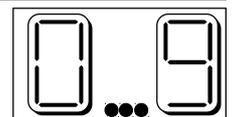
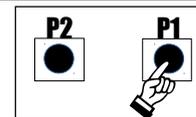
2. Display shows letter **A**
Press **P2** to confirm



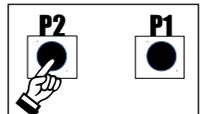
3. Display shows **1**
Scroll the menu with **P1** until the value **6**.
Press **P2** to confirm



4. Scroll the value from **0** to **9** with button **P1** to set the correct value



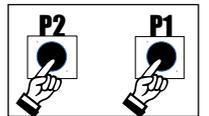
5. Press **P2** to confirm



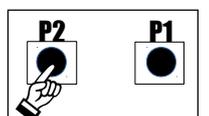
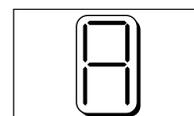
A7 : RESTORE DATA FROM BACKUP MEMORY

This function allow to RESTORE the DATA from the backup memory: Remotes, timing, functions will be automatically restored

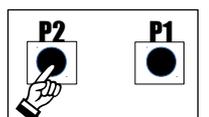
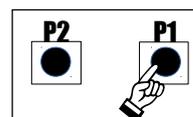
1. Press **P1** and **P2** simultaneously for three seconds to enter the menu



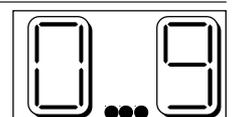
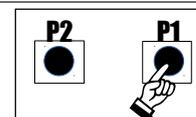
2. Display shows letter **A**
Press **P2** to confirm



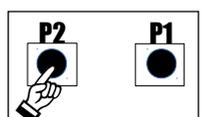
3. Display shows **1**
Scroll the menu with **P1** until the value **7**.
Press **P2** to confirm



4. Scroll the value from **0** to **9** with button **P1** to set the correct value



5. Press **P2** to confirm

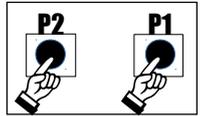


t1 : EXTRA TIME

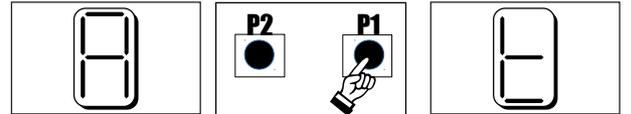
The parameter increases the time of motor thrust during closing phase adding extra time to the one programmed. It is useful to compensate any differences in the opening and closing times in the case of gates not properly functioning or balanced

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

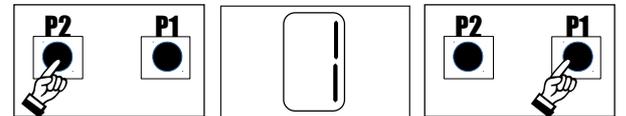
1. Press **P1** and **P2** simultaneously for three seconds to enter the menu



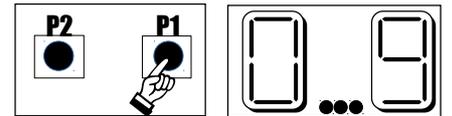
2. Display shows letter **A**
Scroll the menu with **P1** until the value **t**.



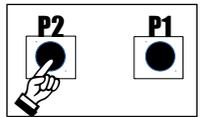
3. Press P2 to confirm
Display shows **1**
Press **P2** to confirm



4. Scroll the value from **0** to **9** with button **P1** to set the correct value



5. Press P2 to confirm.

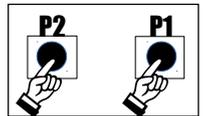


t2 : AUTOMATIC CLOSING

Parameter t2 defines the reclosing time of the gate

DISPLAY	SECONDS
0	DISABLED
1	10
2	20
3	30
4	60
5	75
6	90
8	120
8	180
9	240

1. Press **P1** and **P2** simultaneously for three seconds to enter the menu



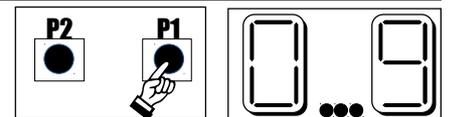
2. Display shows letter **A**
Scroll the menu with **P1** until the value **t**.
Press **P2** to confirm



3. Display shows **1**
Scroll the menu with **P1** until the value **2**.
Press **P2** to confirm



4. Scroll the value from **0** to **9** with button **P1** to set the correct value



5. Press **P2** to confirm



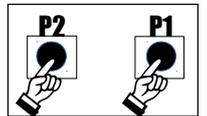
t3 : AUTOMATIC CLOSING BY PHOTOCELL

Parameter t3 defines the reclosing time of the gate via the photocell, i.e., once the latter has been passed through, the gate closes without respecting the reclosing time set in parameter t2.

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

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

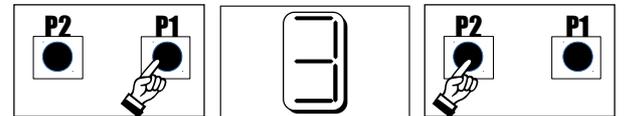
1. Press **P1** and **P2** simultaneously for three seconds to enter the menu



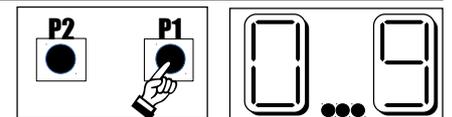
2. Display shows letter **A**
Scroll the menu with **P1** until the value **t**.
Press **P2** to confirm



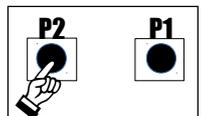
3. Display shows **1**
Scroll the menu with **P1** until the value **3**.
Press **P2** to confirm



4. Scroll the value from **0** to **9** with button **P1** to set the correct value



5. Press **P2** to confirm



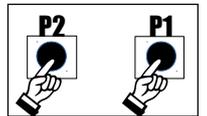
t4 : AUTOMATIC CLOSING OF PEDESTRIAN OPENING

Parameter t4 defines the reclosing time of the pedestrian opening without respecting the reclosing time set in parameter t2.

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

DISPLAY	SECONDS
0	DISABLED
1	5
2	10
3	20
4	30
5	60
6	75
8	90
8	100
9	120

1. Press **P1** and **P2** simultaneously for three seconds to enter the menu



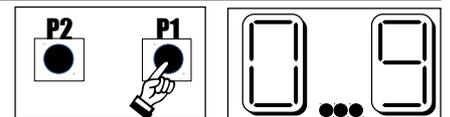
2. Display shows letter **A**
Scroll the menu with **P1** until the value **t**.
Press **P2** to confirm



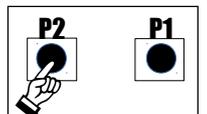
3. Display shows **1**
Scroll the menu with **P1** until the value **4**.
Press **P2** to confirm



4. Scroll the value from **0** to **9** with button **P1** to set the correct value



5. Press **P2** to confirm



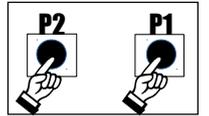
t5 : COURTESY LIGHT

Parameter t5 handles the timing of the courtesy light.

**IMPORTANT:
SET PARAMETER F5=2**

DISPLAY	SECONDS
0	BISTABLE
1	1 MIN
2	2 MIN
3	3 MIN
4	4 MIN
5	5 MIN
6	7 MIN
8	10 MIN
8	15 MIN
9	20 MIN

1. Press **P1** and **P2** simultaneously for three seconds to enter the menu



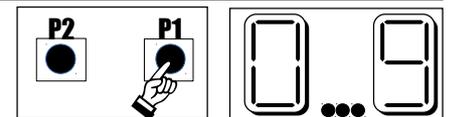
2. Display shows letter **A**
Scroll the menu with **P1** until the value **t**.
Press **P2** to confirm



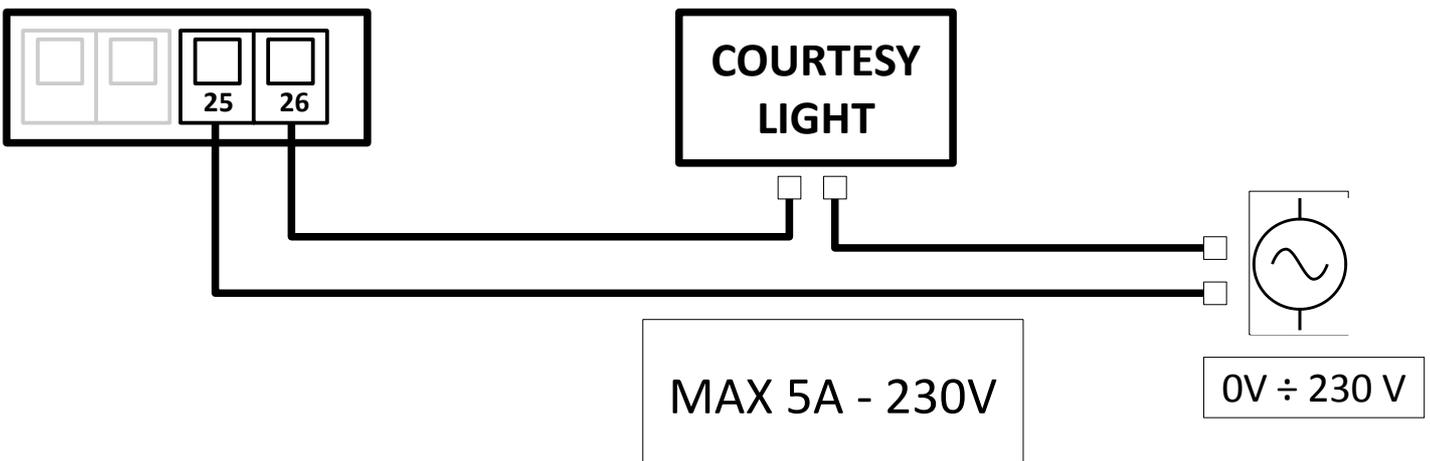
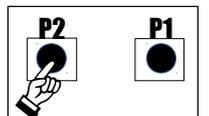
3. Display shows **1**
Scroll the menu with **P1** until the value **5**.
Press **P2** to confirm



4. Scroll the value from **0** to **9** with button **P1** to set the correct value

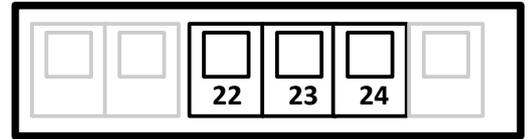


5. Press **P2** to confirm



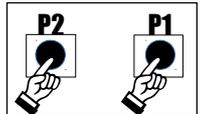
T6 : FLASHING LIGHT

Parameter t6 handles the settings of the flashing light.



DISPLAY		
1	RED LIGHT – GREEN LIGHT (TRAFFIC LIGHT)	Green when open red all other movements
2	FLASHING LIGHT (OFF WHEN CLOSED) _ Flashing light enabled during operations and ON during pause time.	Available only with red led
3	FLASHING LIGHT (ON WHEN CLOSED) _ Flashing light enabled during operations and OFF during pause time.	Available only with red led

1. Press **P1** and **P2** simultaneously for three seconds to enter the menu



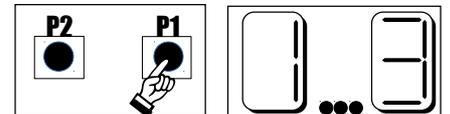
2. Display shows letter **A**
Scroll the menu with **P1** until the value **t**.
Press **P2** to confirm



3. Display shows **1**
Scroll the menu with **P1** until the value **6**.
Press **P2** to confirm



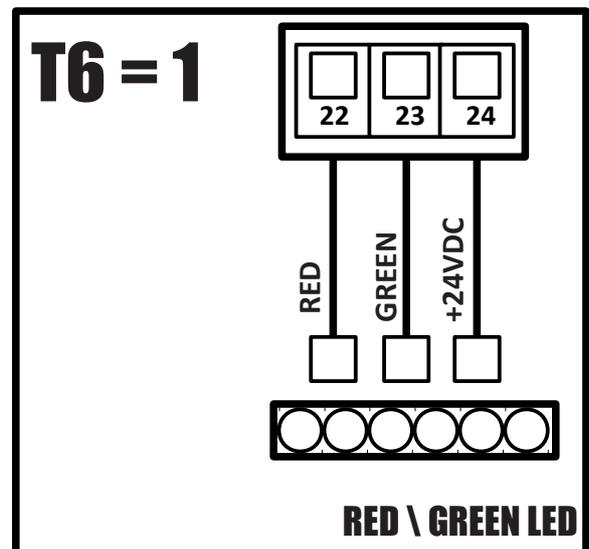
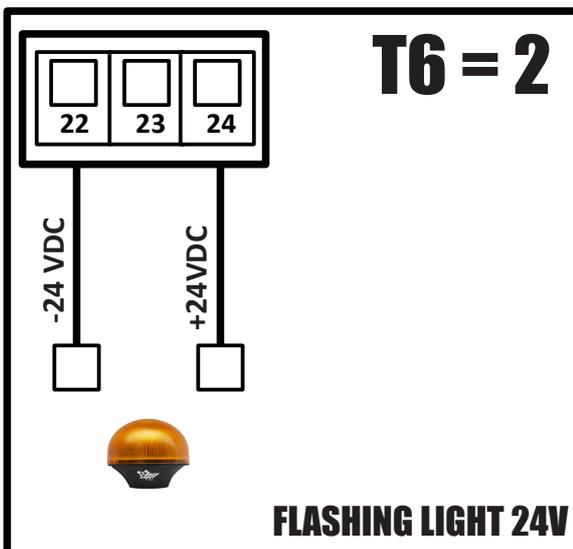
4. Scroll the value from **1** to **3** with button **P1** to set the correct value



5. Press **P2** to confirm



CONNECTIONS

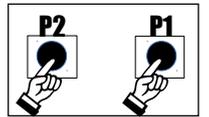


t7 : REVERSE TIME

This parameter allows you to set the time of motor reversal following changes in direction, such as reversal from photocells or reopenings.

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

1. Press **P1** and **P2** simultaneously for three seconds to enter the menu



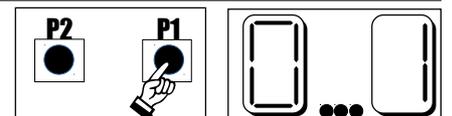
2. Display shows letter **A**
Scroll the menu with **P1** until the value **t**.
Press **P2** to confirm



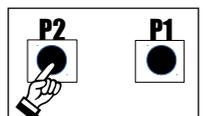
3. Display shows **1**
Scroll the menu with **P1** until the value **6**.
Press **P2** to confirm



4. Scroll the value from **0** to **1** with button **P1** to set the correct value



5. Press **P2** to confirm

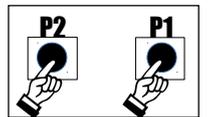


18: PRE - FLASHING

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

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

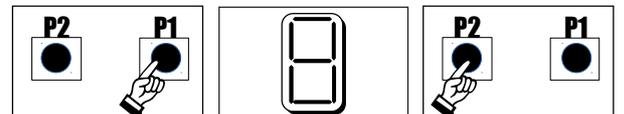
1. Press **P1** and **P2** simultaneously for three seconds to enter the menu



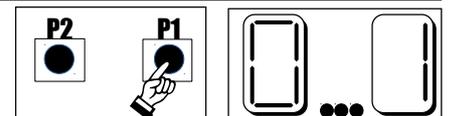
2. Display shows letter **A**
Scroll the menu with **P1** until the value **t**.
Press **P2** to confirm



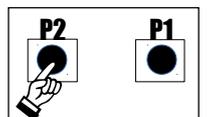
3. Display shows **1**
Scroll the menu with **P1** until the value **8**.
Press **P2** to confirm



4. Scroll the value from **0** to **1** with button **P1** to set the correct value



5. Press **P2** to confirm



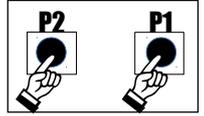
REMOTE CONTROL



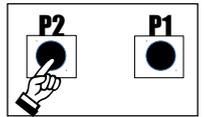
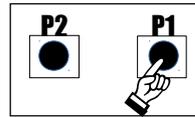
C1: STEP BY STEP \ OPEN _ (open \ sto \ close \ stop \ open ...)

CHECK PARAMETER A4

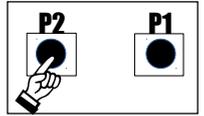
1. Press **P1** and **P2** simultaneously for three seconds to enter the menu



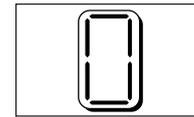
2. Display shows letter **A**
Scroll the menu with **P1** until the value **C**.
Press **P2** to confirm



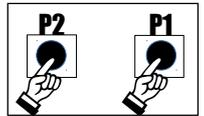
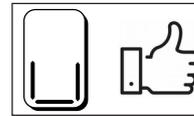
3. Display shows **1**
Press **P2** to confirm



4. Display shows **0**
Press **REMOTE CONTROL**

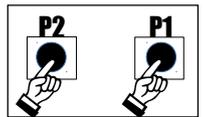


5. If the display shows **U** the remote has been programmed
Add other remotes or
Press **P1 + P2** to exit the programming

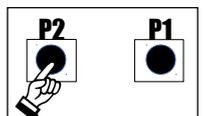
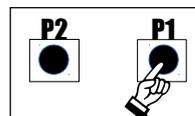


G2: OPEN _ (The remote opens only, it closes by automatic closing if setted)

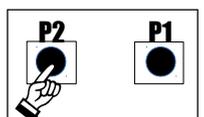
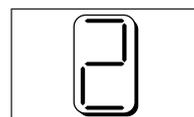
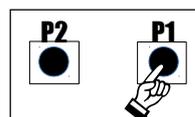
1. Press **P1** and **P2** simultaneously for three seconds to enter the menu



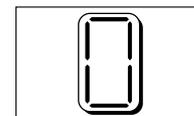
2. Display shows letter **A**
Scroll the menu with **P1** until the value **C**.
Press **P2** to confirm



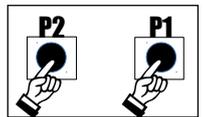
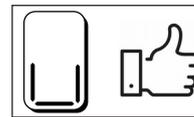
3. Display shows **1**
Scroll the menu with **P1** until the value **2**.
Press **P2** to confirm



4. Display shows **0**
Press **REMOTE CONTROL**

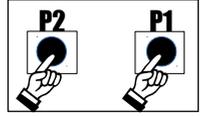


5. If the display shows **U** the remote has been programmed
Add other remotes or
Press **P1 + P2** to exit the programming

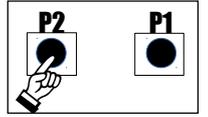
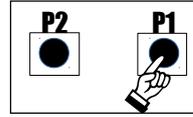


C3: CLOSE

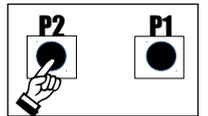
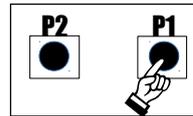
1. Press **P1** and **P2** simultaneously for three seconds to enter the menu



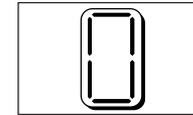
2. Display shows letter **A**
Scroll the menu with **P1** until the value **C**.
Press **P2** to confirm



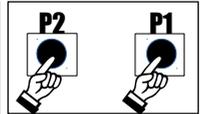
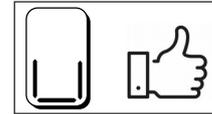
3. Display shows **1**
Scroll the menu with **P1** until the value **3**.
Press **P2** to confirm



4. Display shows **0**
Press **REMOTE CONTROL**

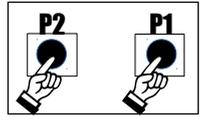


5. If the display shows **U** the remote has been programmed
Add other remotes or
Press **P1 + P2** to exit the programming

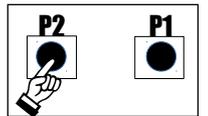
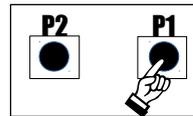


C4: PEDESTRIAN OPENING

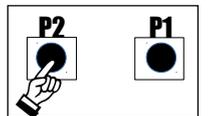
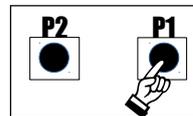
1. Press **P1** and **P2** simultaneously for three seconds to enter the menu



2. Display shows letter **A**
Scroll the menu with **P1** until the value **C**.
Press **P2** to confirm



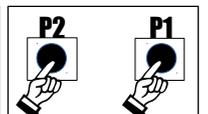
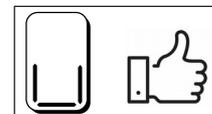
3. Display shows **1**
Scroll the menu with **P1** until the value **4**.
Press **P2** to confirm



4. Display shows **0**
Press **REMOTE CONTROL**



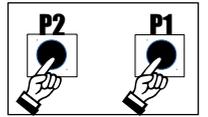
5. If the display shows **U** the remote has been programmed
Add other remotes or
Press **P1 + P2** to exit the programming



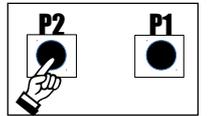
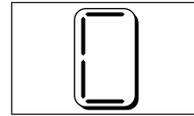
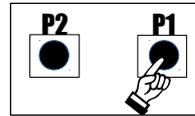
C5: Reset remote control memory

THIS OPERATION ERASE ALL CODES IN THE MEMORY

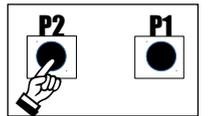
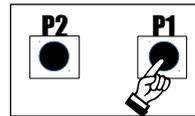
1. Press **P1** and **P2** simultaneously for three seconds to enter the menu



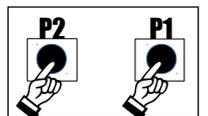
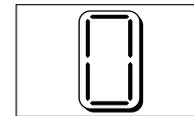
2. Display shows letter **A**
Scroll the menu with **P1** until the value **C**.
Press **P2** to confirm



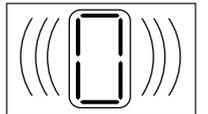
3. Display shows **1**
Scroll the menu with **P1** until the value **2**.
Press **P2** to confirm



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

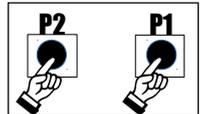


5. Display start **BLINKING**
Automatically the control board exit

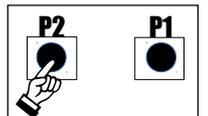
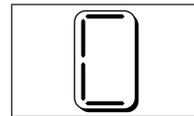
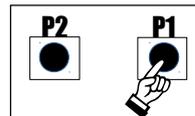


C7: COURTESY LIGHT

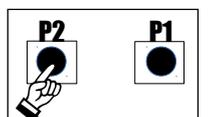
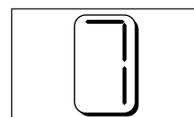
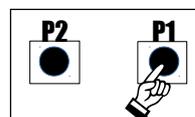
1. Press **P1** and **P2** simultaneously for three seconds to enter the menu



2. Display shows letter **A**
Scroll the menu with **P1** until the value **C**.
Press **P2** to confirm



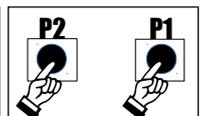
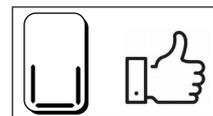
3. Display shows **1**
Scroll the menu with **P1** until the value **7**.
Press **P2** to confirm



4. Display shows **0**
Press **REMOTE CONTROL**



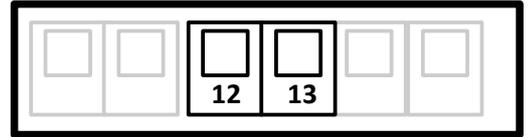
5. If the display shows **U** the remote has been programmed
Add other remotes or
Press **P1 + P2** to exit the programming



SECONDARY FUNCTIONS

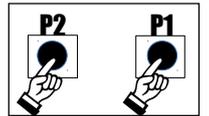
F1:OPEN INPUT SETTING

This parameter allow to set the input OPEN on clamp 12 - 13



DISPLAY	DESCRIPTION	
1	OPEN COMMAND	If the contact has been closed for more than 1 minute, the flashing light automatically switch off
2	ALARM	An NO contact can be connected that keeps the gate open until the contact is released. It close back with automatic closing
3	OPEN (DEAD MAN FUNCTION)	The button must be pressed until reaching the open\close limit switch

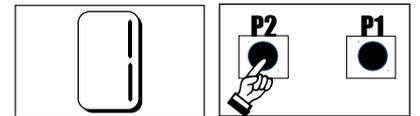
1. Press **P1** and **P2** simultaneously for three seconds to enter the menu



2. Display shows letter **A**
Scroll the menu with **P1** until the value **F**.
Press **P2** to confirm



3. Display shows **1**
Press **P2** to confirm



4. Scroll the value from **1** to **3** with button **P1** to set the correct value

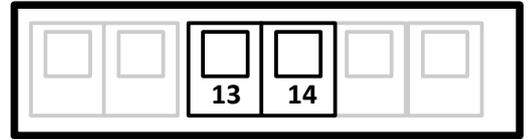


5. Press **P2** to confirm



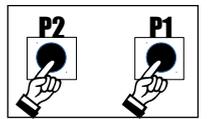
F2 :CLOSE INPUT SETTING

This parameter allow to set the input OPEN on clamp 12 - 13



DISPLAY	DESCRIPTION	
1	CLOSE	
2	PARTIAL OPENING	
3	CLOSE (DEAD MAN FUNCTION)	The button must be pressed until reaching the open\close limit switch

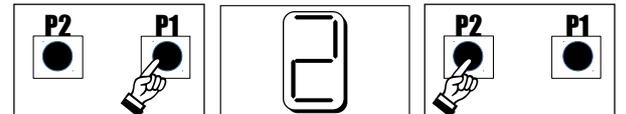
1. Press **P1** and **P2** simultaneously for three seconds to enter the menu



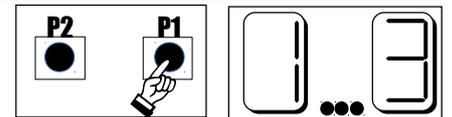
2. Display shows letter **A**
 Scroll the menu with **P1** until the value **F**.
 Press **P2** to confirm



3. Display shows **1**
 Scroll the menu with **P1** until the value **2**.
 Press **P2** to confirm



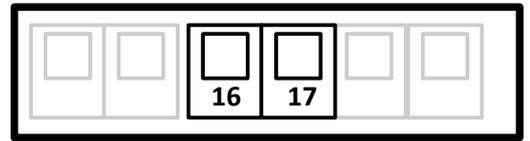
4. Scroll the value from **1** to **3** with button **P1** to set the correct value



5. Press **P2** to confirm



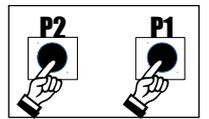
F3 :PHOTOCELL INPUT SETTING (FTC)



This parameter allow to set the input FTC on clamp 16 - 17

DISPLAY	DESCRIPTION	
1	PHOTOCELL WORKS ONLY IN CLOSING PHASE	If crossed, gate open again
2	PHOTOCELL WORKS IN BOTH CLOSING AND OPENING PHASE	If crossed in closing , gate open again. If crossed in opening , gate stop, when photocell is free gate continue to open

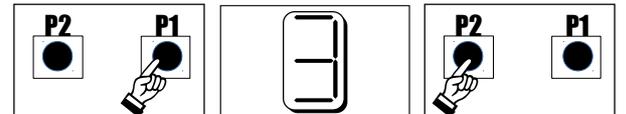
1. Press **P1** and **P2** simultaneously for three seconds to enter the menu



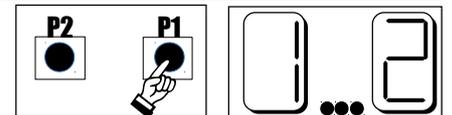
2. Display shows letter **A**
 Scroll the menu with **P1** until the value **F**.
 Press **P2** to confirm



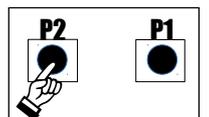
3. Display shows **1**
 Scroll the menu with **P1** until the value **3**.
 Press **P2** to confirm



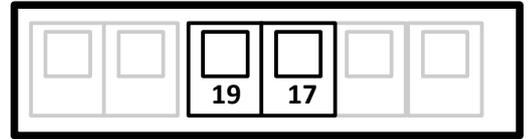
4. Scroll the value from **1** to **2** with button **P1** to set the correct value



5. Press **P2** to confirm



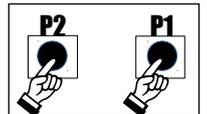
F4 :2nd PHOTOCELL INPUT SETTING (FTA)



This parameter allow to set the input FTA on clamp 19 - 17

DISPLAY	DESCRIPTION	
1	RUBBER EDGE WORKS ONLY IN CLOSING PHASE	If activated, gate stop and open again fully
2	RUBBER EDGE WORKS ONLY IN CLOSING AND OPENING PHASE	If activated, gate stop and open\close again for 2 sec
3	RUBBER EDGE mod. 8K2 WORKS ONLY IN CLOSING PHASE	If activated, gate stop and open again for 2 sec
4	RUBBER EDGE mod. 8K2 WORKS ONLY IN CLOSING AND OPENING PHASE	If activated, gate stop and open\close again for 2 sec
5	PHOTOCELL \ SECURITY LOOP WORKS ONLY IN CLOSING PHASE	If crossed, gate open again
6	PHOTOCELL WORKS IN BOTH CLOSING AND OPENING PHASE	If crossed in closing , gate open again. If crossed in opening , gate stop, when photocell is free gate continue to open

1. Press **P1** and **P2** simultaneously for three seconds to enter the menu



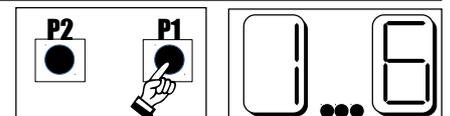
2. Display shows letter **A**
 Scroll the menu with **P1** until the value **F**.
 Press **P2** to confirm



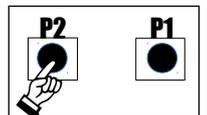
3. Display shows **1**
 Scroll the menu with **P1** until the value **4**.
 Press **P2** to confirm



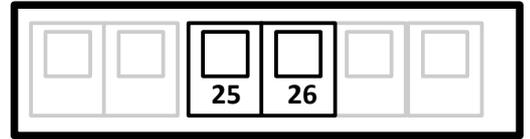
4. Scroll the value from **1** to **6** with button **P1** to set the correct value



5. Press **P2** to confirm



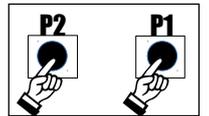
F5 :CNT INPUT SETTING (CNT)



This parameter allow to set the input CNT on clamp 25 - 26

DISPLAY	DESCRIPTION	
1	OPEN GATE ALERT	The output is flashing during movements, fixed ON when open, OFF when gate is closed
2	COURTESY LIGHT	Set the timing by parameter t5
3	ALERT ON OPENING LIMIT SWITCH	The relay switch ON when the gate is on the opening limit switch
4	ALERT ON CLOSING LIMIT SWITCH	The relay switch ON when the gate is on the closing limit switch
5	ERROR \ MAINTENANCE	
6	BRAKE NC	Brake is powered when the motor is not working
7	BRAKE NO	Brake is powered when the motor is not working
8	FLASHING LIGHT	

1. Press **P1** and **P2** simultaneously for three seconds to enter the menu



2. Display shows letter **A**

Scroll the menu with **P1** until the value **F**.

Press **P2** to confirm



3. Display shows **1**

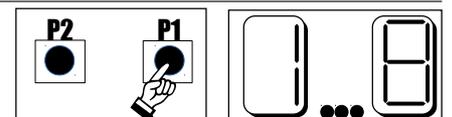
Scroll the menu with **P1** until the value **5**.

Press **P2** to confirm

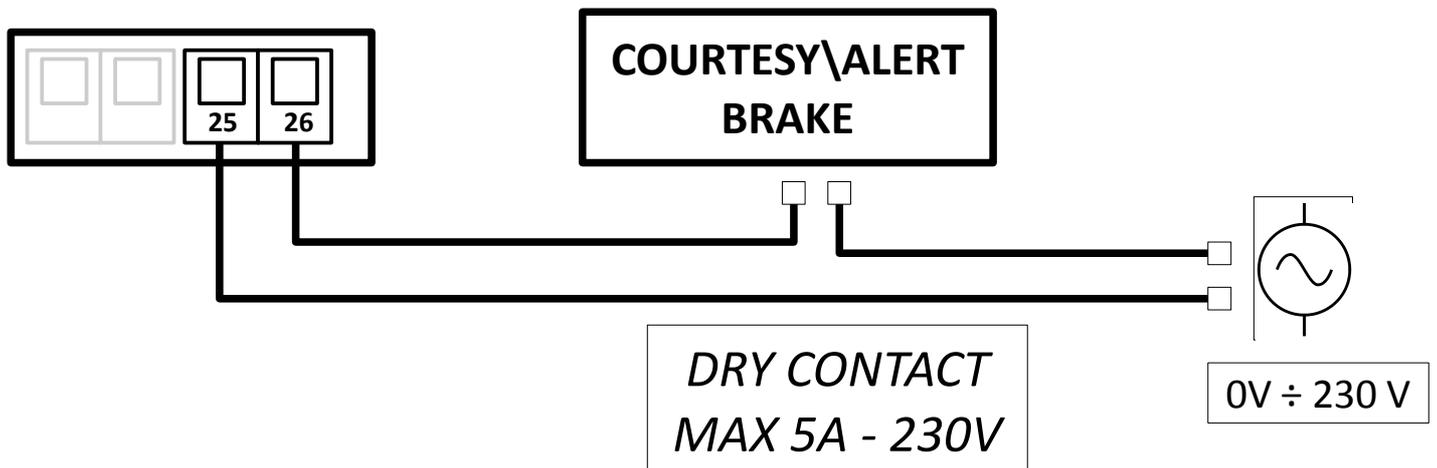
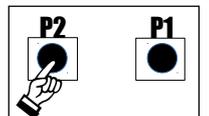


4. Scroll the value from **1** to **8** with button **P1**

to set the correct value



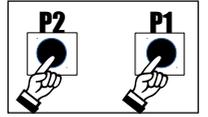
5. Press **P2** to confirm



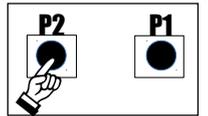
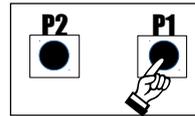
F6 : RESET OF THE CONTROL BOARD

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

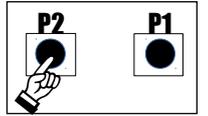
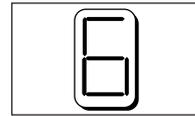
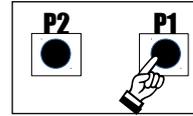
1. Press **P1** and **P2** simultaneously for three seconds to enter the menu



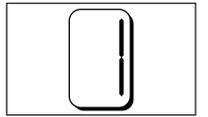
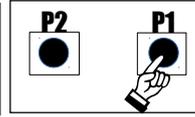
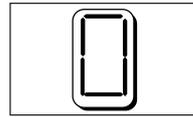
2. Display shows letter **A**
Scroll the menu with **P1** until the value **F**.
Press **P2** to confirm



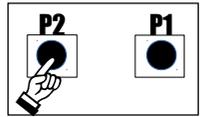
3. Display shows **1**
Scroll the menu with **P1** until the value **6**.
Press **P2** to confirm



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



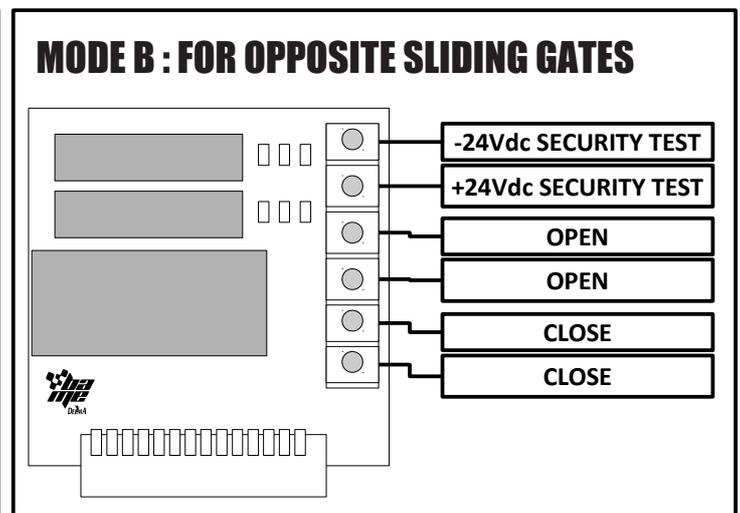
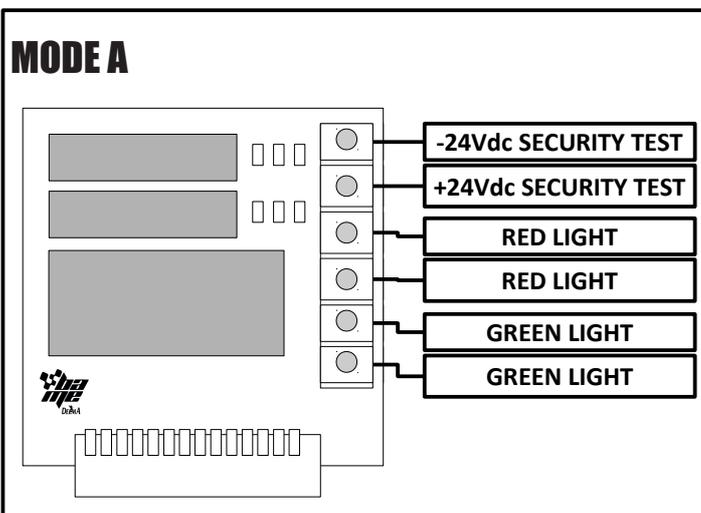
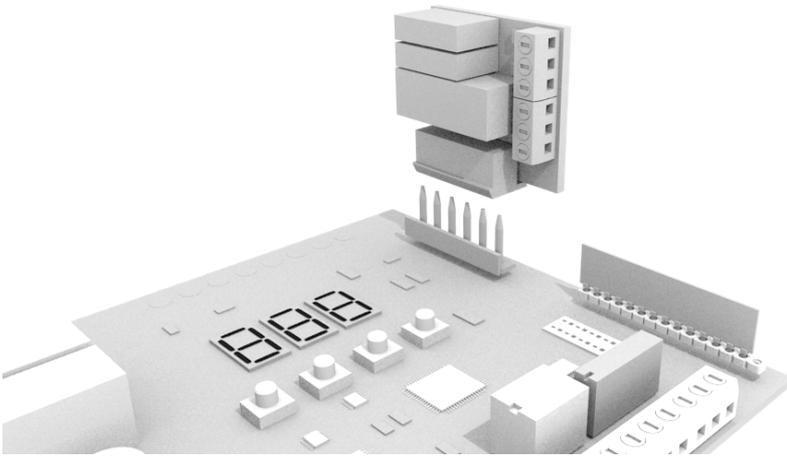
5. Press **P2** to confirm



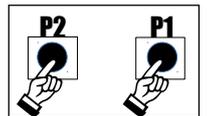
F7 :LIGHTS CONTROL BOARD SETTING

This parameter allow to set the PLUG-IN LIGHTS CONTROL BOARD

DISPLAY	DESCRIPTION
1	MODE A
2	MODE B



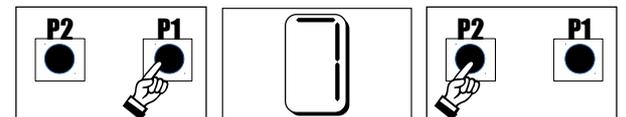
1. Press **P1** and **P2** simultaneously for three seconds to enter the menu



2. Display shows letter **A**
 Scroll the menu with **P1** until the value **F**.
 Press **P2** to confirm



3. Display shows **1**
 Scroll the menu with **P1** until the value **7**.
 Press **P2** to confirm



4. Scroll the value from **1** to **2** with button **P1** to set the correct value



5. Press **P2** to confirm

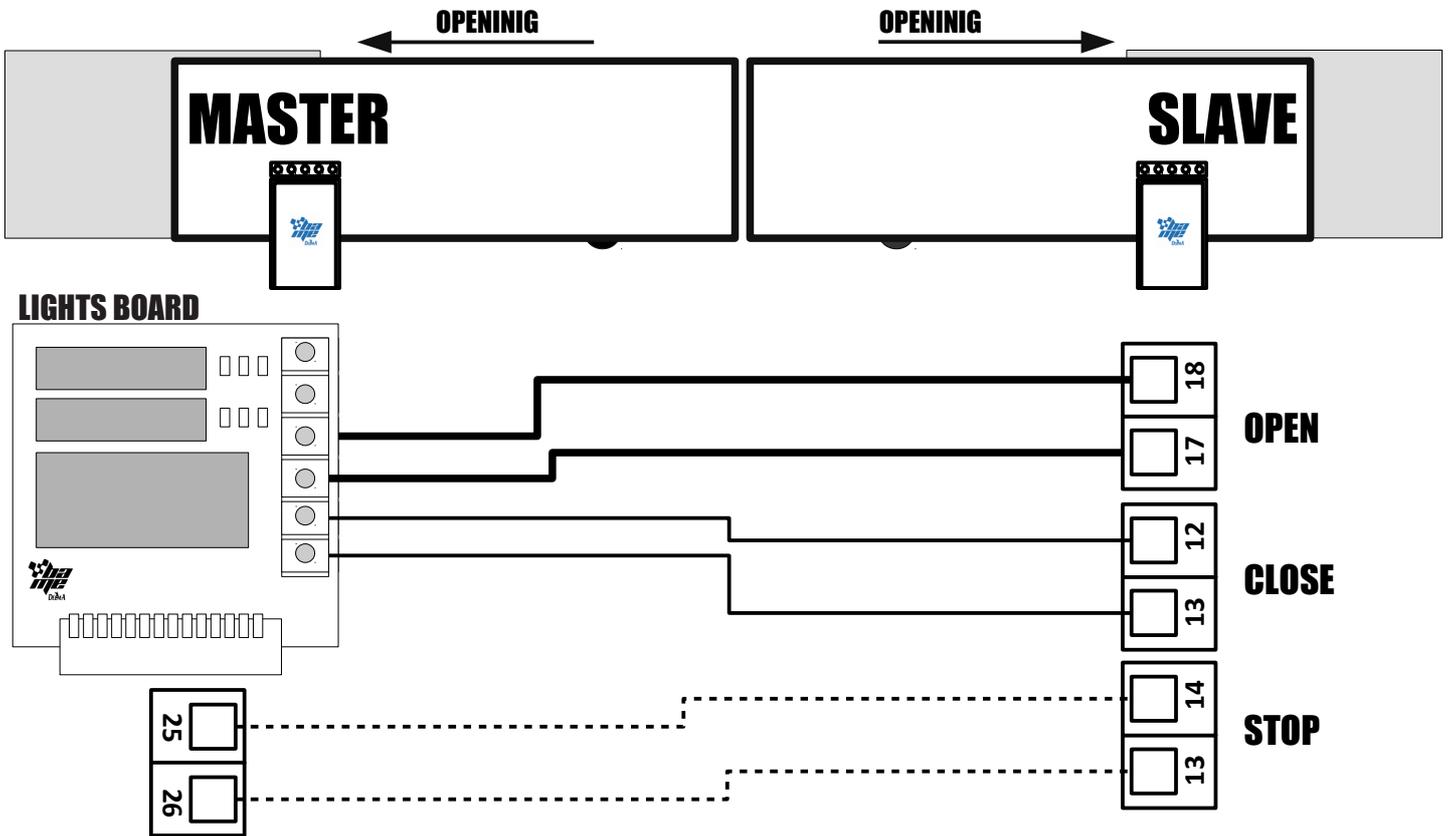


A4 : MASTER AND SLAVE

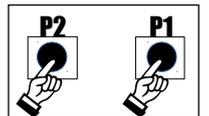
This function allow to set the master and slave function for 2 opposite gate which has to work simultaneously
REMEMBER TO SET THE FUNCTION IN EACH MOTOR

DISPLAY	DESCRIPTION
0	DISABLED
1	MASTER
2	SLAVE

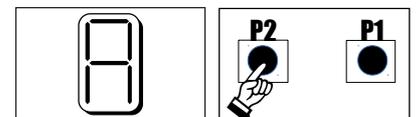
LIGHTS CONTROL BOARD IS MANDATORY



1. Press **P1** and **P2** simultaneously for three seconds to enter the menu



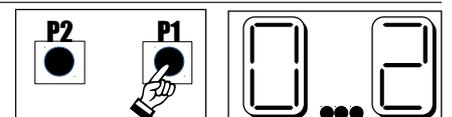
2. Display shows letter **A**
Press **P2** to confirm



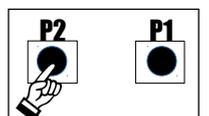
3. Display shows **1**
Scroll the menu with **P1** until the value **4**.
Press **P2** to confirm



4. Scroll the value from **0** to **2** with button **P1**
to set the correct value **IN EACH MOTOR**



5. Press **P2** to confirm

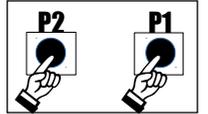


F8 : SECURITY TEST

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

DISPLAY	
0	DISABLED
1	ENABLED

1. Press **P1** and **P2** simultaneously for three seconds to enter the menu



2. Display shows letter **A**

Scroll the menu with **P1** until the value **F**.

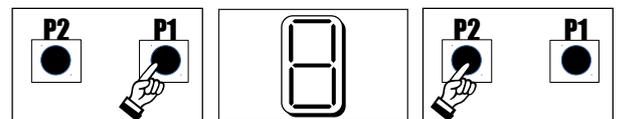
Press **P2** to confirm



3. Display shows **1**

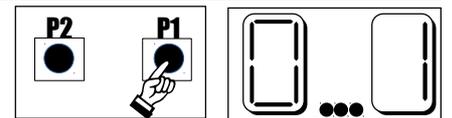
Scroll the menu with **P1** until the value **8**.

Press **P2** to confirm

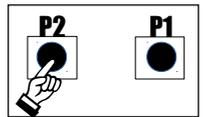


4. Scroll the value from **0** to **1** with button **P1**

to set the correct value

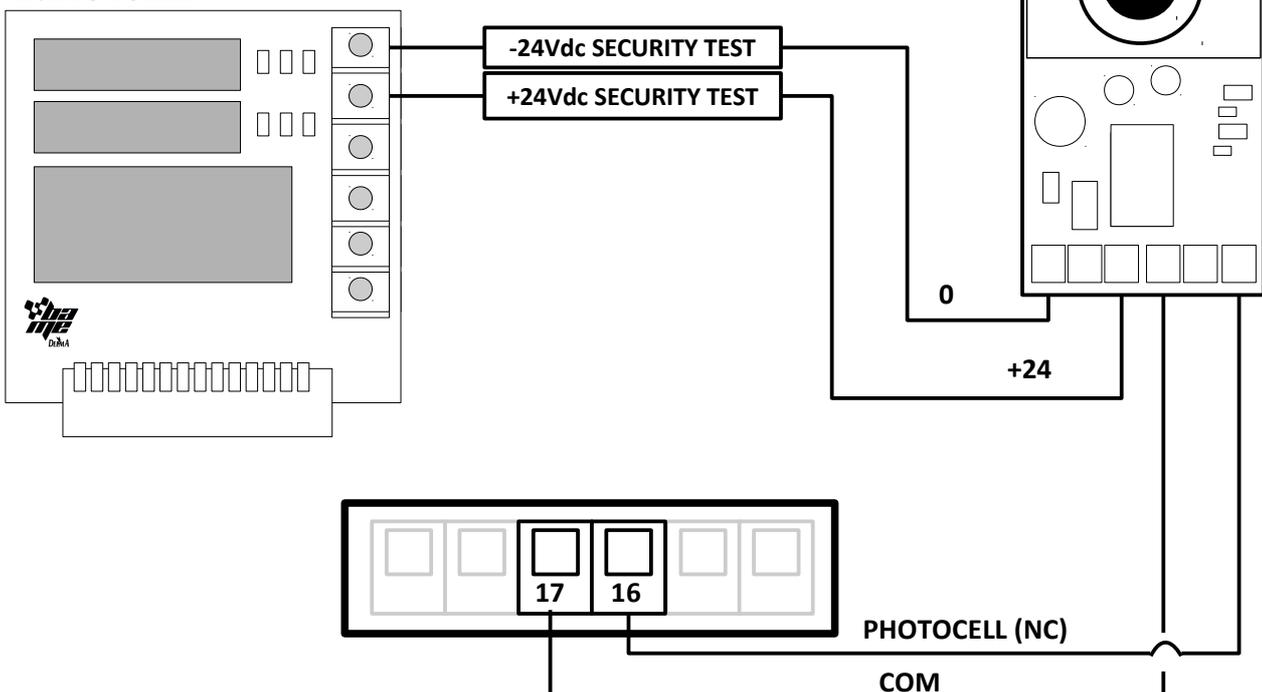


5. Press **P2** to confirm



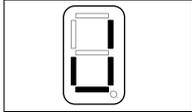
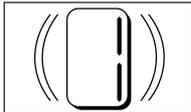
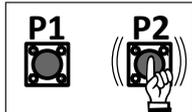
CONNECTIONS

LIGHTS BOARD

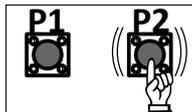
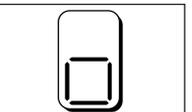


SHORTCUTS

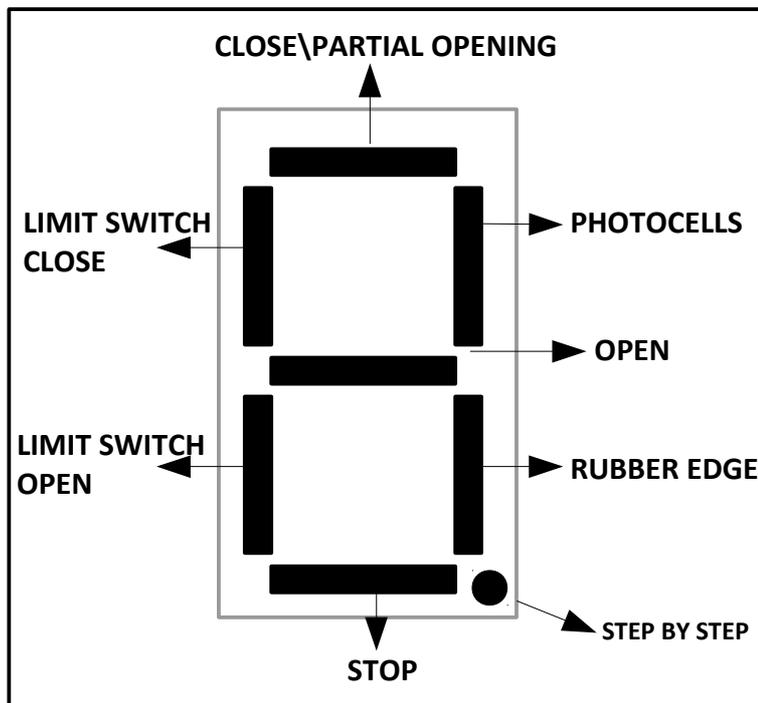
WORKING TIME PROGRAMMING

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

REMOTE CONTROL _ step by step _ open

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

DISPLAY



WARNINGS!!!

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

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

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

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

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

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

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

WARRANTY:

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

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

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



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