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**COMPANY
WITH QUALITY SYSTEM
CERTIFIED BY QMSI
UNI EN ISO9001**



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PD9



24V DIGITAL CONTROL UNIT FOR SINGLE AND DOUBLE-SWING GATES

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IMPORTANT REMARKS

For any installation problems please contact
V2 ELETTRONICA TEL. (+39) 01 72 81 24 11

V2 ELETTRONICA has the right to modify the product without previous notice; it also declines any responsibility to damage or injury to people or things caused by improper use or wrong installation.



Please read this instruction manual very carefully before installing and programming your PD9 control unit.

- This instruction manual is only for qualified technicians, who specialize in installations and automations.
- The contents of this instruction manual do not concern the end user.
- Every programming and/or every maintenance service should be done only by qualified technicians.

The PD9 control unit can drive one or more electromechanical actuators for the automation of swing doors and swing gates. Any other utilization is not in specification.

AUTOMATION MUST BE IMPLEMENTED IN COMPLIANCE WITH THE EUROPEAN REGULATIONS IN FORCE:

EN 60204-1 (Machinery safety. electrical equipment of machines, part 1: general rules)

EN 12445 (Safe use of automated locking devices, test methods)

EN 12453 (Safe use of automated locking devices, requirements)

- The installer must provide for a device (es. magnetothermal switch) ensuring the omnipolar sectioning of the equipment from the power supply. The standards require a separation of the contacts of at least 3 mm in each pole (EN 60335-1).
- After making connections on the terminal board, use one hose clamp to fix dangerous voltage wires near the terminal board and another hose clamp to fix safety low voltage wires used for accessories connection; this way, in case of accidental detachment of a conducting wire, dangerous voltage parts will not come into contact with safety low voltage ones.
- The plastic case has an IP55 insulation; to connect flexible or rigid pipes, use pipefittings having the same insulation level.
- Installation requires mechanical and electrical skills, therefore it shall be carried out by qualified personnel only, who can issue the Compliance Certificate concerning the whole installation (EEC Machine Directive 89/392, Annex IIA).

- The automated vehicular gates shall comply with the following rules: EN 12453, EN 12445, EN 12978 as well as any local rule in force.
- Also the automation upstream electric system shall comply with the laws and rules in force and be carried out workmanlike.
- The door thrust force adjustment shall be measured by means of a proper tool and adjusted according to the max. limits, which EN 12453 allows.
- We recommend to make use of an emergency button, to be installed by the automation (connected to the control unit STOP input) so that the gate may be immediately stopped in case of danger.

CONFORMITY TO REGULATIONS

V2 ELETTRONICA SPA declares that PD9 is in conformity with the provisions of the followings 93/68/EEC, 73/23/EEC, and with the standards referenced here below:

EN 60335-1: Electrical safety

EN 50081-1, EN 50081-2: Electromagnetic compatibility

Raconigi, 10/09/03

V2 ELETTRONICA SPA legal representative

A.Livio Costamagna

DESCRIPTION OF THE CONTROL UNIT

The digital station PD9 is an innovative V2 ELETTRONICA product that guarantees a safe and reliable automation of one- and two-shutter gates.

The design of PD9 has been designed to realize a product that meets all kind of requirements, with a highly versatile station that satisfies all the necessary requirements for a functional and efficient installation.

PD9 is provided with a display that, not only makes programming simple, but also allows a continuous monitoring of the input statuses; in addition, thanks to a menu structure, the working schedule and the operation logic can be set easily.

In compliance with the European standards concerning electrical safety and electromagnetic compatibility (EN 60335-1, EN 50081-1 and EN 50082-1) it has been equipped with the low voltage circuit total electric insulation (motors included) from the network voltage.

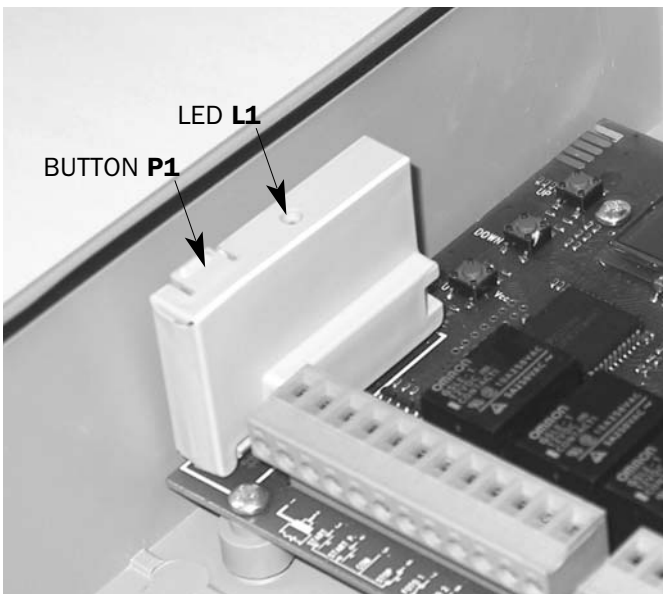
Other characteristics:

- Self-secured power against short circuits inside the gearcase, on motors and relevant connected accessories.
- Power adjustment by means of current shutting (PWM: Power motor controller).
- Obstacle detection by means of monitoring the motor absorbed current.
- Operation without the network voltage by means of buffer battery (optional).
- Warning light showing the status of the gate.
- Programmable logic auxiliary relay for courtesy lights or other use.

PD9 gearcase has been prearranged for the coupling of a Personal Pass MR1 receiver having a high-sensitivity super-heterodyne architecture.

⚠ ATTENTION: it is necessary to turn off the control unit power before doing the operations mentioned here below. Please pay attention to the way you connect the removable modules.

PLUGGING THE MR1 RECEIVER MODULE IN



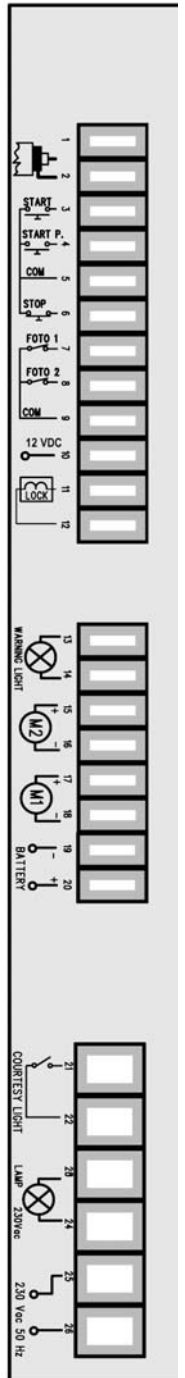
MR1 module receiver is provided with 4 channels and each of them is suitable for a command of PD9 control unit:

- CHANNEL 1 ⇨ START
- CHANNEL 2 ⇨ PEDESTRIAN START
- CHANNEL 3 ⇨ STOP
- CHANNEL 4 ⇨ COURTESY LIGHTS

⚠ Before programming 4 channels and function logics read carefully the instructions of MR1.

TERMINAL CONNECTION

1.	Antenna
2.	Antenna shield
3.	Opening control for the connection of control devices with normally open contact
4.	Opening controls for pedestrian access for the connection of control devices with normally open contact
5.	Common (-)
6.	STOP command Normally closed contact
7.	Photocell 1 Normally closed contact
8.	Photocell 2 Normally closed contact
9.	Common (-)
10.	Power output +12VDC for photocells and other accessories
11.-12.	Electric lock 12VAC
13.-14.	Warning light 24VAC 3W
15.-16.	Power output 24VDC for motor 2
17.-18.	Power output 24VDC for motor 1
19.-20.	Backup battery 12VDC
21.-22.	Courtesy light 230 VAC 10 W
23.- 24.	Flashing light 230 VAC 40 W
25.	Neutral 230VAC
26.	Phase 230VAC



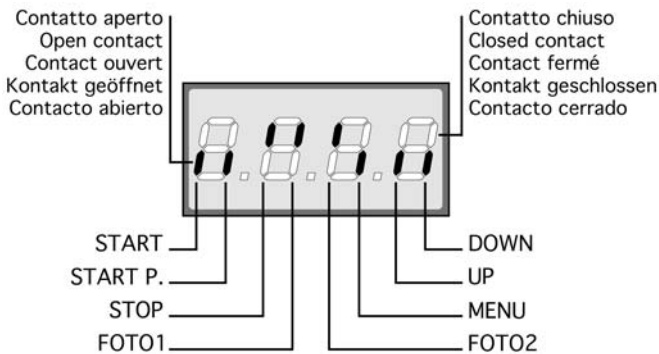
WARNING: we suggest to use the external aerial (model: **ANS433**) in order to guarantee the maximal range.



CONTROL PANEL

Perform the electrical connections to the terminal board, then supply power to the system: the unit will check the operation status of the display, by turning all the segments on for 1,5 seconds (**8.8.8.8**); after this, the display will show the firmware version for 1,5 seconds, for instance **Pr 1.0**.

Now, the display will show a control panel:



The control panel represents the physical status of the terminal board contacts and of the program mode keys: if the upper vertical segment is on, the contact is closed; if the lower vertical segment is on, the contact is open (the above picture shows an instance where the inputs START, START P, PHOTO1, PHOTO2, and STOP have all been correctly connected).

PROGRAMMING

The PD9 unit presents a programming structure with menus, each of which corresponds to a function in the unit (function menu) or to a working time setting (time menu).

Time menus allow adjusting the unit working times (e.g.: leaf opening or closing time, locking time, preflashing time, etc.).

Time programming will be carried out through an algorithm, which speeds up the operations by automatically matching the adjustment pitch according to the current set up value:

- from 0 seconds to 1 minute the adjustment pitch is equal to 0,5 second:



- from 1 minute to 10 minutes the adjustment pitch is equal to 5 seconds:



- for more than 10 minutes the adjustment pitch is equal to 30 seconds:



On the other side, the function menu are used to activate the required functions (e.g. timed lights, PHOTO1 active as a travelling edge, PHOTO2 inactive, etc.).

Some time menus depend on certain function menus (e.g.: if the AUTOMATIC CLOSING is activated – but only in this case – a TIME-OUT need to be set); then, to simplify the programming, these time menus have been placed in the function menus on which they depend. Specifically, menus AUTOMATIC CLOSING (Ch.AU) and PHOTOCELL TIME-OUT (Ft.PA) offer some “time menus” among the selectable options.

FUNCTION OF KEYS MENU, UP, DOWN

To activate the program mode, proceed as follows.

- After powering the unit, the display should show the control panel (therefore, check that the connections made are correct).
- Press and hold key MENU until the display shows **dEF**.

Now your programming has been activated.

WARNING: in case no operation is carried out for more than one minute, the gearcase exits from the programming mode without saving any of your setups and changes, which will get lost.

You will have to exit from the programming mode – through the **FinE** menu – to store all set up data (even in case you choose the default data).

When the program mode function is activated, press key UP or DOWN to select the menus, thus performing a forward or backward shift (for a fast shift, press and hold).

Press key MENU to access the settings in order to change them through keys UP and DOWN.

- Pressing the UP key, the menu functions can be scrolled from below.
- Pressing the DOWN key, the menu functions can be scrolled from above.
- Pressing the MENU key, the settings to be changed can be accessed and selected by pressing again.

ATTENTION: when the program mode function is not activated, pressing of the UP key corresponds to the START command, pressing of the DOWN key corresponds to the PEDESTRIAN START command: this way, the service engineer is enabled to perform the test and the set-up.

The PD9 unit can be set up in two different program modes: DEFAULT PROGRAM MODE or CUSTOM PROGRAM MODE.

In the following pages you can find a functions diagram with information concerning PD9.

For the use of the function chart proceed as follow:

- Press DOWN key to flow the chart from the top to the bottom. The functions **dEF**, **t.AP1**, **t.AP2** etc. will be appear.

- Press UP key to flow the chart from the bottom to the top.
- Press MENU key to flow the chart horizontally; for example, if the **t.ChP** function is displayed, by pressing the MENU key the number **7.0"** will be displayed.
Increase the number pressing UP or DOWN. Press MENU to display function **t.ChP** again.

MOTOR CONTROL FUNCTION

At the beginning of the opening cycle, the gearcase check the motor correct operation. In case one of the motors fails to operate or it is not correctly connected, the gate will not open and the display will show you an "err2" message and the blinking lamp will double blink for 5 seconds.

WARNING LIGHT DESCRIPTION

The warning light shows in real time the state of the gate:

STOP	light off
IN PAUSE	light always on
DURING OPENING	the light flashes slowly (2 Hz)
DURING CLOSING	the light flashes rapidly (4 Hz)

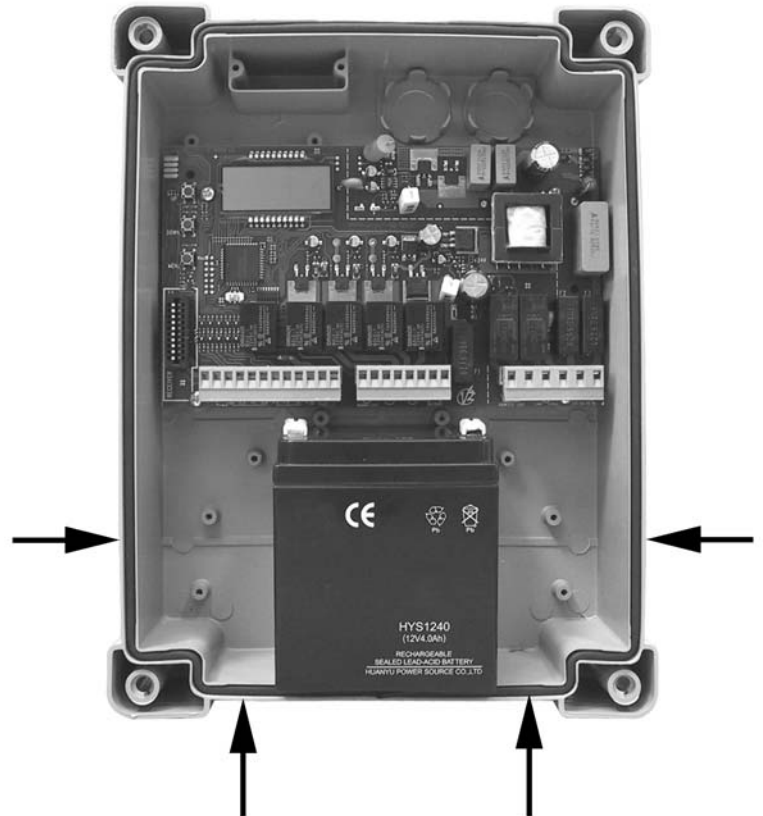
TECHNICAL SPECIFICATIONS

Power supply	230 VAC 50 / 60 Hz
Max motors load	100 W
Max accessories load 12VDC	10 W
Working temperature	-20°C / 60°C
Protection fuse	F1 = 5 A F2 = 400 mA F3 = 800 mA
Dimensions	295 x 230 x 100 mm
Weight	1200 g
IP protection	55

ACCUMULATOR INSTALLATION

If the antiblackout function is required, a no-maintenance lead accumulator needs to be connected by means of special coupling terminals, by strictly complying with the silk screen printing polarities of the control card. The accumulator shall have the following characteristics:

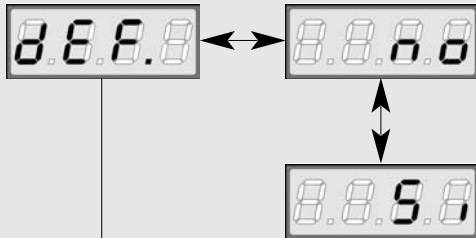
TYPE	lead and with no maintenance need
VOLTAGE	12 VOLT
CAPACITY	4,2 Ah



Position the battery according to the figure and use the areas indicated by arrows to install the fairleads. Use IP55 fairleads or higher.

CAUTION: during functioning with 12V battery, the voltage supplied to motors is smaller than the nominal value, therefore motors work with low speed and low thrust. In this situation the current level is not checked, as the applied forces are not dangerous.

CAUTION: Batteries must be removed before device disposal according to the regulations in force. Disconnect electric power before any operation.

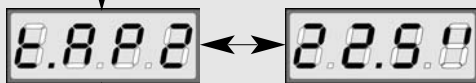


This type of programming allows loading the V2 ELETTRONICA default program in the memory: the standard data that will be inserted automatically are shown in the table below (in the column DEFAULT DATA).
Set the wished function pressing the up or DOWN keys and press MENU key to confirm.



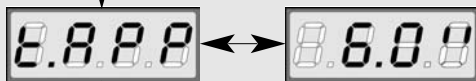
GATE 1 OPENING TIME

This menu is adjustable from 0 to 2 minutes and determines the time of opening of gate 1.



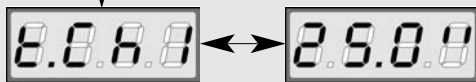
GATE 2 OPENING TIME

This menu is adjustable from 0 to 2 minutes and determines the time of opening of gate 2.
WARNING: if it is a one-door gate, such time shall be set up on 0.



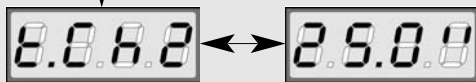
OPENING TIME OF PEDESTRIAN GATE

This menu is adjustable from 0 seconds to t.AP1 and determines the opening time of pedestrian gate.



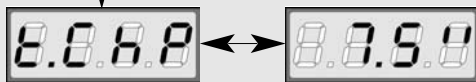
CLOSING TIME GATE 1

This menu is adjustable from 0 to 2 minutes which is the closing time for gate 1. To avoid the uncompleted closing of the gate, we suggest to set a longer opening time of t.AP1.



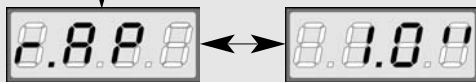
CLOSING TIME GATE 2

This menu is adjustable from 0 to 2 minutes which is the closing time for gate 2. To be sure of the perfect closing of the gate, we suggest to set a longer opening time t.AP2.



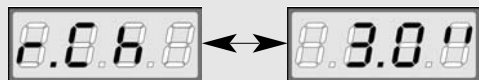
CLOSING OF PEDESTRIAN GATE

This menu is adjustable from 0 to t.Ch1 and determines the closing time of gate 1. In order to avoid the uncompleted closing of the gate, we suggest to set a longer opening time of t.APP.



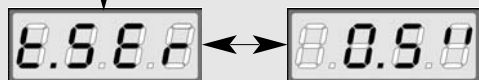
GATE DELAY DURING OPENING

In order to avoid any collision of the gate during the opening phase, the time of delay should be introduced r.AP, which is adjustable from 0 to 2 minutes. In such a case the opening time of gate 2 is delayed in comparison to the gate 1.



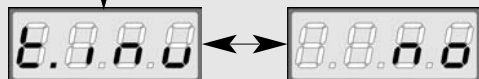
GATE DELAY DURING CLOSING

In order to avoid the colliding of gate's during the closing the time of delay should be introduced r.Ch, which is adjustable from 0 to 2 minutes. In such a case the closing time of gate1 is delayed in comparison to the gate2.



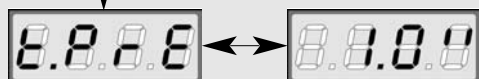
LOCK TIME

Before the opening phase starts, the gearcase has to energize the electrical lock in order to release it and enable the gate movement. The time t.SEr determines the duration of excitation, and is adjustable from 0 to 3 seconds. In case there is no motor lock, set up on **no**.



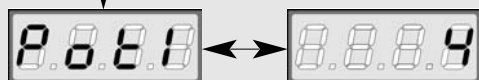
BACKLASH TIME

To avoid that the gate starts the opening phase before the electrical locks is unhooked, it is possible to introduce a time of inversion adjustable from 0 to 3 seconds. In this way during the opening phase, the gate inverts the motion through the set time permitting the unhooking of the electrical lock.



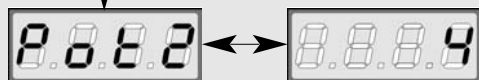
PRE-FLASHING TIME

This menu permits the introduction of a pre-flashing that occurs before any movement of the gate either in opening or in closing phase: the time of pre-flashing can be adjusted from 0 to 2 minutes.



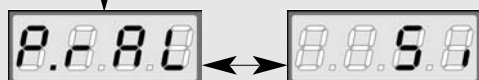
MOTOR 1 POWER

Such a menu enables the sensitivity adjusting of the motor 1 current sensor from 1 to 10.



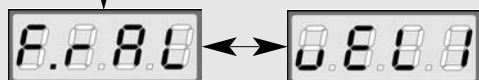
MOTOR 2 POWER

Such a menu enables the sensitivity adjusting of the motor 1 current sensor from 2 to 10.



START SLOWING DOWN

Such a menu enables the motor slowing down start as for the opening and closing phase.



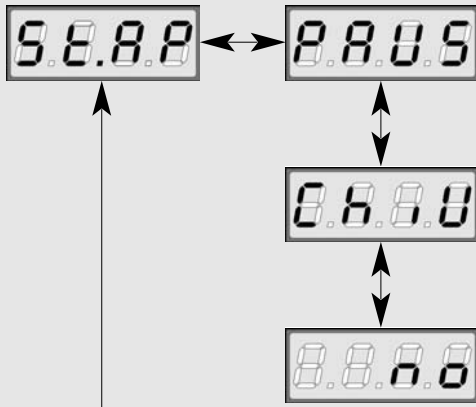
END OF STROKE SLOWING DOWN

Such a menu allows enabling the door slowing down at their end of stroke by means of two speeds which can be set up according to your needs.



VEL1 corresponds to 25% of power.

VEL2 corresponds to 50% of power.



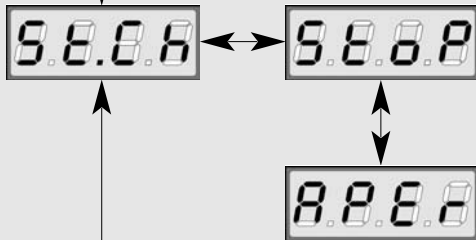
START IN OPENING

This menu permits to select the functions of start during the opening phase.

PAUS the command START stop the gate and goes into in PAUSE.

ChiU the command START close the gate.

no the command START is not available.

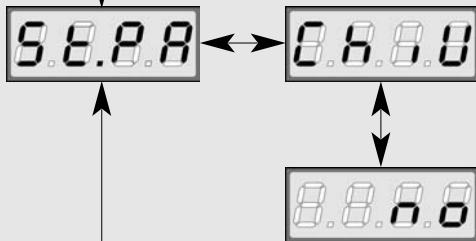


START IN CLOSING

This menu permits to select the functions of start during the closing phase.

StoP the command START stop the gate.

APEr the command START open the gate

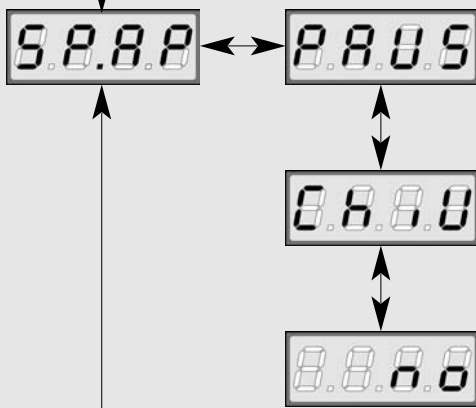


START IN PAUSE

This menu permits to select the functions of the command start during the standstill.

ChiU the command START closes the gate.

no the command START is not available. This function cannot be selected until the automatic closing has been activated (menu Ch.AU).



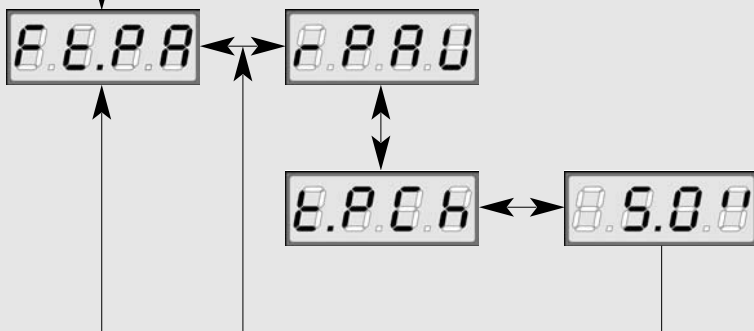
PEDESTRIAN START IN OPENING

This menu permits to select the functions of the command of START P. during the opening phase.

PAUS the command PEDESTRIAN START stops the gate and goes in pause.

ChiU the command PEDESTRIAN START closes the gate.

no the command PEDESTRIAN START is not available.



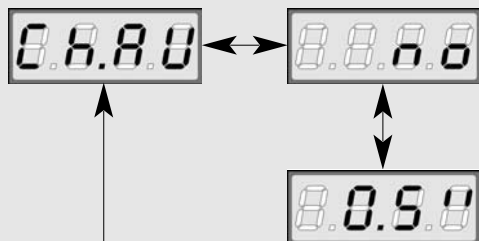
THE PHOTOCCELL IN PAUSE

This menu permits to determine the functioning of two photocells during the pause phase.

rPAU the interruption of the photocell's ray causes the top of the pause time; when the photocells work again, the pause time restart from zero.

t.PCh the interruption of the photocell's ray causes the top of the pause time; when the photocells work again, the gate stops for a time to be set between 0 to 2 min.

If the function is t.PCh, the display shows 5.0: set the wished functions pressing the UP or DOWN keys.

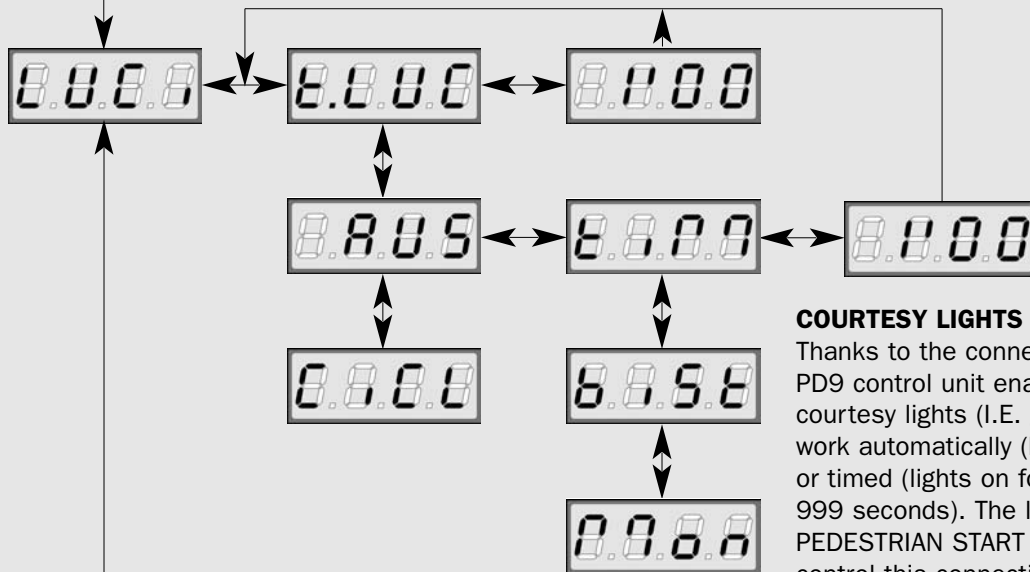


AUTOMATIC CLOSING

Permits the selection between the semiautomatic or automatic functioning. By the semiautomatic functioning the command of START or PEDESTRIAN START opens the gate, when the opening is complete the gate remains still until the successive command of opening, which will reclose it. On the other hand, it stops automatically and remains in pause phase for the set time (t.PAU), then it closes again through the set closing time.

no the automatic reclosing is not available, the gate is semiautomatic.
t.PAU the reclosing is available, the standstill time is set from 0 to 999.

IMPORTANT: If the automatic reclosing is not available, is necessary to enable the start command in pause(menu St.PA)



COURTESY LIGHTS

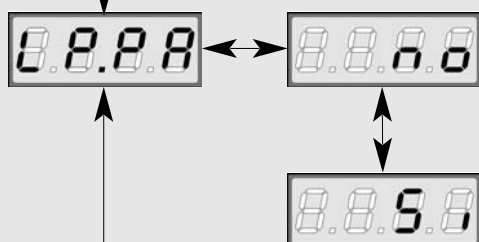
Thanks to the connection "courtesy light" the PD9 control unit enables the connection of the courtesy lights (I.E. garden lights), which can work automatically (lights on for the whole cycle) or timed (lights on for a time adjustable from 0 to 999 seconds). The lights turn on with a START or PEDESTRIAN START control. It is also possible to control this connection using the code memorized in the radio input tEL4, in this last case the connection "courtesy light" becomes an auxiliary connection to which it is possible to match one of the following functional logics:

connection "courtesy light" becomes an auxiliary connection to which it is possible to match one of the following functional logics:

- monostable:** it activates the output relay through all the tx transmission time, when the transmission ends the relay is disconnected.
- bistable:** it activates the relay with the tx first transmission, the relay disconnects with the second transmission.
- timer:** the tx transmission triggers the relay which disconnects automatically after a time adjustable between 0 and 999 seconds.
- t.LUC** Courtesy lights switch on when the gate moves and when it stops they stay switched on for a time which can be set up from 0 to 20 minutes.
- CiCL** the courtesy lights are on through the whole cycle.
- AUS** auxiliary exit with adjustable logical functioning.

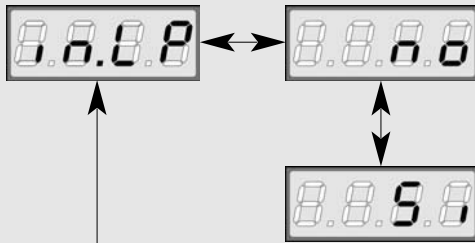
If the function selected is AUS, one of the following will appear on the display:

- tiM** timed auxiliary exit (time adjustable from 0 to 999 seconds)
- biSt** auxiliary output relay with bistable functioning
- Mon** auxiliary output relay with monostable functioning



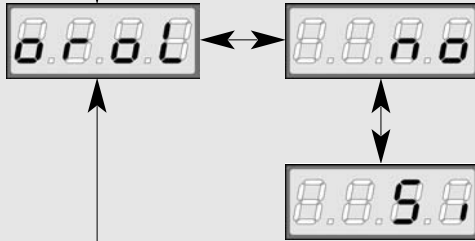
FLASHLIGHT IN PAUSE

This menu permits to activate or to disable the flashlight during the pause time.



FLASHLIGHT WITH INTERMITTENCE

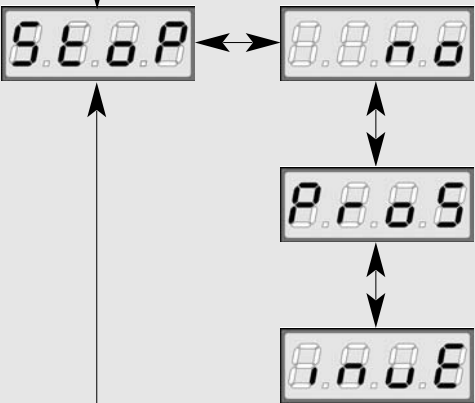
The control unit PD9 permits the connection of a flashlight with or without intermittence. If the flashlight is equipped with an inner intermittence effect, it is necessary to select the option "Si", but if it has no inner intermittence, it is necessary to select the option "no" in order to make it flash.



TIMER FUNCTION

This function permits to program the time bands of opening and closing. It is necessary to connect a 24h timer with a contact normally open in parallel with the START or PEDESTRIAN START input. When the timer contact is closed, the gate gets into opening phase and remains opened until the contact of the timer opens causing the re-closing of the gate.

⚠ IMPORTANT: for a correct functioning it is necessary to activate the automatic closing (menu Ch.AU.)



STOP INPUT

This menu permits to select the functions associated to the command of STOP.

- no** the input STOP is not available
- ProS** the input STOP stops the gate: pressing the command START the gate continues the motion
- invE** the command STOP stops the gate: at the next START the gate starts moving in the opposite direction.

NOTE: during the pause, the STOP command will stop the pause time count, the next START command will always close the gate.

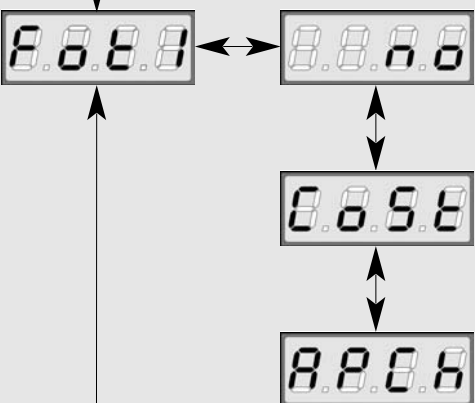


PHOTO 1 INPUT

This input can be activated for the connection of two different safety devices: the photocell or the rib. The rib (contact normally closed) is an active safety device in opening and closing (now active during the backlash): its intervention during the opening phase stops the gate, inverts the motion for 4 s, without offsetting the doors. On the other hand, the intervention of the rib in closing phase stops the gate, inverts the motion with the offset of the doors. The photocell 1 (contact normally closed) is an active security in opening and closing: the intervention of the photocell during the closing stops the gate, at its disengagement the gate inverts the motion.

Differently the intervention of the photocell in opening stops the gate, at its disengagement the gate starts opening again. It is necessary to install the photocell 1 properly, in order to cover the action space of the gate.

- no** the opening of PHOTO1 is not available
- Cost** the opening of PHOTO 1 is available for the connection of the rib.
- APCh** the opening of PHOTO 1 is available for the connection of the photocell

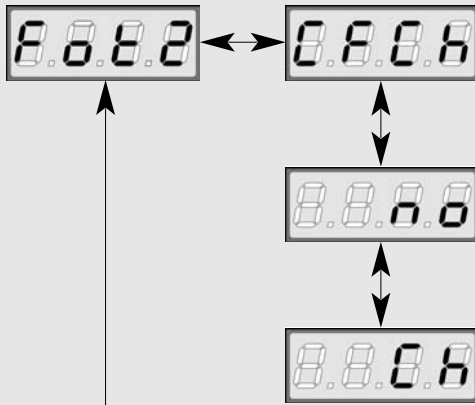
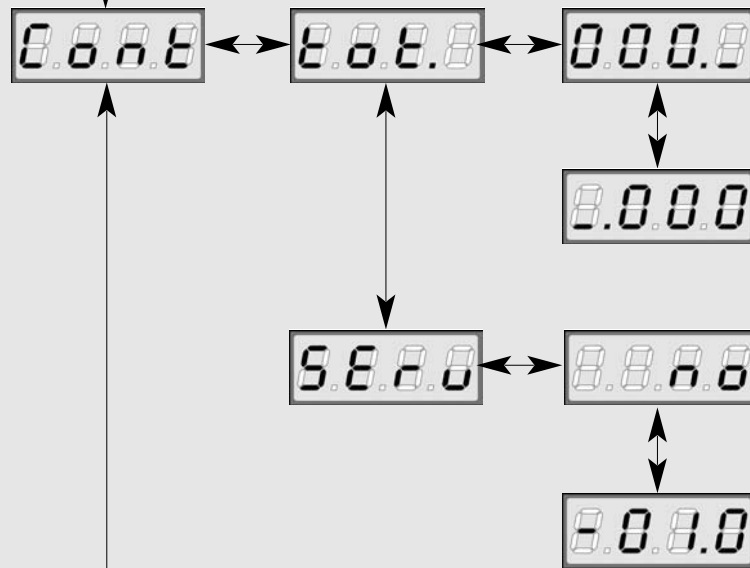


PHOTO 2 INPUT

The photocell 2 is active in closing: if it is dimmed during the closing it stops the gate and inverts the motion. The option CFCh activates the photocell even when the gate is still: closed gate means that no impulse has been given, either it is in pause or it has received a STOP command. In this case through all the time of the darkening of the photocell the control unit does not receive any command of activation at any opening / closing cycle.

- CFCh** the input PHOTO 2 is available: the photocell is active in closing and also when the gate is still
- no** the input PHOTO 2 is not available
- Ch** the input PHOTO 2 is available: the photocell is active only during the closing



COUNTER VIEWING

Such a menu allows viewing the number of operation cycles which such automatism carries out and it also enables the final user to set up a limit value in order to show him when the actuators service is required.

- tot.** Total number of completed cycles (the display views in thousands, press DOWN to view units).
- SErv** number of cycles before the next request for service.

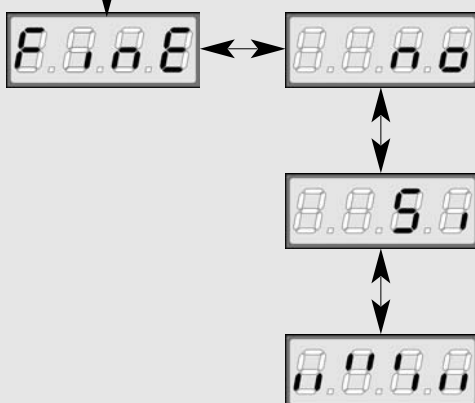
Such a function is disabled by default, by pressing UP the display will view -01.0, which shows a 1000-cycle countdown after which PD9 will show the final user that a service is required. Such a number has been rounded off to hundreds and it can be set up on 1000-step; set up the desired value, and then press MENU to confirm.

The request for a service will be signalled by means of double blinks during the whole operation cycle.

WARNING: only a qualified staff shall carry out all service operations.

Once the service has been carried out, the relevant service menu **SErv** shall be set up again.

PD9 will continue signalling the request for a service until such parameter is not set up.



END OF PROGRAMMING

This menu allows to finish the programming (both default and personalized) saving the modified data into memory.

- no** further corrections to carry out: do not quit the programming
- Si** end of programming

THE INSERTED DATA HAVE BEEN MEMORIZED: THE CONTROL UNIT IS READY TO BE USED.

PD9 FUNCTION TABLE

DISPLAY	DATA	DESCRIPTION	DEFAULT DATA	MEMO DATA
dEF.	no/Si	Load V2 ELETTRONICA standard data	no	
t.AP1	0.5" ÷ 2.0'	Gate 1 opening time	22.5"	
t.AP2	0.5" ÷ 2.0'	Gate 2 opening time	22.5"	
t.APP	0" ÷ t.AP1	Opening time of pedestrian gate	6.0"	
t.Ch1	0.5" ÷ 2.0'	Gate 1 closing time	25"	
t.Ch2	0.5" ÷ 2.0'	Gate 2 closing time	25"	
t.ChP	0" ÷ t.Ch1	Closing time of pedestrian gate	7.5"	
r.AP	0.5" ÷ 2.0'	Gate delay during opening	1.0"	
r.Ch	0.5" ÷ 2.0'	Gate delay during closing	3.0"	
t.SEr	0.5" ÷ 3.0" no	Electrical lock operation time - Lock is not energized (it corresponds to 0)	0.5"	
t.inv	0.5" ÷ 3.0" no	Backlash time - Disabled recoil (it corresponds to 0)	no	
t.PrE	0.5" ÷ 2.0' no	Pre-flashing time - Disabled pre-blink (it corresponds to 0)	1.0"	
Pot1	1 ÷ 10	Under stress motor 1 alarm threshold (it deals with a conventional number)	4	
Pot2	1 ÷ 10	Under stress motor 2 alarm threshold (it deals with a conventional number)	4	
P.raL	no/Si	Start slowing down.	Si	
F.rAL	vEL1 no vEL2	End of stroke slowing down - Motor slowing down at speed 1. - Disabled slowing down. - Motor slowing down at speed 2.	vEL1	
St.AP	PAUS ChiU no	Start in opening - Stop the gate and goes in pause - Command close gate - Start command is not available	PAUS	
St.Ch	Stop APeR	Start in closing - Start command stop the gate - Start command open the gate	StoP	
St.PA	ChiU no	Start in pause - Start command closes the gate - Start command is not available	ChiU	
SP.AP	PAUS ChiU no	Pedestrian in opening - Gate goes in pause - Pedestrian start command closes the gate - Pedestrian start command is not available	PAUS	
Ft.PA	rPAU t.PCh	Photocell in pause - Pause time recharged - Gate stop for a time to be set between 0 to 120 s	r.PAU	

PD9 FUNCTION TABLE

DISPLAY	DATA	DESCRIPTION	DEFAULT DATA	MEMO DATA
Ch.AU	no 0.5" ÷ 20'	Automatic closing - The automatic closing is not active (it corresponds to 0) - The gate closes after the setup time)	no	
LUCi	t.LUC CiCL AUS tiM Mon biSt	Courtesy Light - Lights start time adjustable from 0 to 20 min. - Lights are on trough the whole cycle - Auxiliary output - Timed aux out (from 0 to 20 min.) - Aux out relay with bistable functioning - Aux out relay with monostable functioning	t.LUC=1'	
LP.PA	no/Si	Flashlight in pause	no	
In.LP	no/Si	Flashlight with intermittence	no	
OroL	no/Si	Timer function	no	
StoP	no ProS invE	STOP input - STOP input not available - STOP command stops the gate: pressing the START command gate continues the motion - STOP command stops the gate: START command starts moving in the opposite direction	no	
Fot 1	no CoSt APCh	PHOTO 1 input - Not available - Input is available for the connection of the rib - Input is available for the connection of the photocell	no	
Fot 2	CFCh no Ch	PHOTO 2 input - Photocell is active in closing and also when the gate is still - Not available - Photocell is active during the closing	CFCh	
Cont	tot. Man	Counter viewing - Total number of completed cycles (the display views in thousands or in units) - Number of cycles before the next request for service (such a number has been rounded off to hundreds and it can be set up on 1000-step; in case it is set up on 0, the request will be disabled and no will be viewed)	tot. no	
Fine	no Si	End of programming - It does not exit from the program menu - It exits from the program menu by storing the setup parameters	no	

