

zero
HOME AUTOMATION

ANTA v1.0

CONTROL UNIT

SWING GATES ONE OR TWO MOTORS

230V

IT | EN | FR

ZANTA 1.0_VER1.0 01052018_REV1

USER MANUAL AND CONFIGURATION



CE
made in italy



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1. SAFETY INSTRUCTIONS

STANDARDS TO FOLLOW

ATTENTION:

- To ensure the safety of people, it is important that you read all the following instructions. Incorrect installation or incorrect use of the product can cause physical injury and material damage.
- Keep these instructions in a safe place for future reference.
- This product was designed and produced strictly for the use indicated in this manual. Any other use, not expressly indicated here, could compromise the good condition/operation of the product and/or be a source of danger.
- ZERO SRL is not responsible for the improper use of the product, or other use than that for which it was designed.
- ZERO SRL is not responsible if safety standards were not taken into account when installing the equipment, or for any deformation that may occur to it.
- ZERO SRL is not responsible for the safety and proper operation when using components not sold by them.
- Do not make any modifications to the operator components and / or their accessories.
- Before installation unplug the automation from the source of power.
- The installer must inform the client how to handle the product in case of emergency and provide this manual to user.
- Keep remote controls away from children, to prevent the automated system from being activated involuntarily.
- The customer shall not, under any circumstances, attempt to repair or tune the automation and must always call a qualified technician only.
- Connect the automation to a 230V plug with ground wire.
- Control board for indoor use.

2. THE CONTROL BOARD

TECHNICAL SPECIFICATIONS

Power supply:	230V 50/60Hz
Lightbulb's output:	AC230V 100W max
Motor's output:	AC230V 2X 750W max
Aux. accessories output:	AC24V 8W max
Working temperature:	-20°C a +50°C
Radio Receptor:	Incorporated 433,92 Mhz
OP Transmitters:	12 bits or Rolling Code
Max. memory capacity:	200 codes max

CONNECTOR'S DESCRIPTION

M1 Connector

- 01 • 230V line input (phase)
- 02 • 230V line input (neutral)

M2 Connector

- 03 • Motor's output M1 Opening
- 04 • Motor's output - Common M1
- 05 • Motor's output - Closing M1
- 06 • Motor's output M2 Opening
- 07 • Motor's output - Common M2
- 08 • Motor's output - Closing M2
- 09 • Light bulb connection's output (230Vac)
- 10 • Light bulb connection's output - common

M3 Connector

- 11 • Device input common
- 12 • Opening limit-switch input signal (NC) M1
- 13 • Closing limit-switch input signal (NC) M1
- 14 • Opening limit-switch input signal (NC) M2
- 15 • Closing limit-switch input signal (NC) M2
- 16 • START transmitter button's input (NO)
- 17 • STOP input, (NC; if not used, WIRE LINK with common terminals 24)
- 18 • PHOTOCELL input (NC; if not used, WIRE LINK with common terminals 11 or 24)
- 19 • PEDESTRIAN START input (drives just motor 1)
- 20 • SAFETEY EDGE input, (NC or 8K2 learnt during programming)
- 21 • Power supply output for accessories 24V AC - 8W máx.
- 22 • Power supply output for accessories 0V
- 23 • 12 VAC output for ELECTRIC LOCK (max. 15W)
- 24 • Device input common COM and Antenna cable screen input
- 25 • ANENNA input

M4 Connector

26/27 • CLEAN-CONTACT FOR:

Fixed-light flashlight connection taking the power supply from terminals 09 and 10 (the relay flashes fast during opening and slow during closing).

Controlling a warning light to signal gate movement. Connect a 24VAC light powered by terminals 21-22 (max 3W). The light flashes fast during opening, slow during closing, it is on during pause and it is off during sleep time.

PROGRAMMING PRE-RECOMENDATIONS

Before proceeding to the control board configuration, note the following points listed in the table below in order to better understand the control board function:

M3 Connector

Limit-switches :

12/13 and 14/15 • Make sure that the limit switches connections are synchronized with the L1/L3 and L4/L5 LEDs (see explanation). Test it by moving the automation limit-switch's spring by hand to see if the correct L1 and L2 LEDs respond (L2 and L4 LED turns off with a closing signal and the L1 and L3 LED turns off with the opening signal).

Safety circuits:

18-20 • This circuit allows the connection of all types of safety devices such as photocells, safety edges etc.

PHOTOCELLS operate only while gate is closing. **Reverses the automations movement. when activated the gate/gates re-open completely.**

SAETY EDGES operate while closing and opening. . **Reverses the automations movement for 2 seconds after which another START signal is required to re start the gates in the oposite direction.**

26/27 • Output for light bulb or courtesy light, according to what is selected in DIP 7. When used in light bulb mode, it must be equipped with an electrical circuit that transforms this continuous output in flashing mode. This will only work during the automation work time.

When used in courtesy light mode, you should be aware of the light maximum consumption capacity because the output only supports 40W. If the consumption is higher then a relay should be fitted to the output.

M2 Connector

09 • This is an intermittent output and must be used lightbulbs that do not have electrical circuit because the output itself is programmed to create a flashing effect on the bulb (apply only a lightbulb with socket and bulb). The output flashes quickly when it is opening, it remains off when paused and it flashes slowly during closure.

Capacitator:

You should connect the capacitator between the outputs 03 and 05 for M1 as well for M2 between 06 and 08.

3. DIP SWITCH FUNCTION'S BOARD

DIP 1 - ON
PROGRAMMING working function (OPEN - CLOSE learning)
DIP 1 - OFF
Normal operation (DEFAULT position)
DIP 2 - ON
Step-step (open-stop-close-stop-open). Without automatic closure.
DIP 2 - OFF
Residential (open-stop-close-open) After stop. pause or START from TX re-closes automatically after pause time.
DIP 3 - ON
(IF dip2 OFF) CONDOMINIUM (after the first START no others are accepted during opening) (If dip2 ON) STEP-STEP WITH RE- CLOSES
DIP 3 - OFF
NO function
DIP 4 - ON
Disables SAFETY EDGES input
DIP 4 - OFF
Enables SAFETY EDGES (8,2 KOhm or NC wire) input. The control panel can accept wire safety edges and 8.2 KOhm resistive edges, detected automatchly once connected.
FACTORY DEFAULT : NC wire SAFETY EDGE
DIP 5 - ON
Executes a 2 second closing movement (HAMMER STROKE) while closing and electric lock deactivation (for 4 sec.) before opening.
DIP 5 - OFF
Hammer stroke disabled. Simultaneous electric lock activation and opening.
DIP 6 - ON
Deceleration for 3sec. during both opening and closing.
DIP 6 - OFF
No deceleration during either opening or closing

DIP 7 - ON

The outputs 09-10 of the terminal board are used to control a COURTESY LIGHT that remains active for 3 minutes after the motor movement. In this mode, the terminals 26-27 can be used to connect a FLASHLIGHT without a flashing circuit.

DIP 7 - OFF

The outputs 09-10 of the terminal board are used to control a FLASHLIGHT equipped with its own flashing circuit. Using terminals 26-27 connect a warning light output which gives a warning on the state of the gate.

DIP 8 - ON

For HYDRAULIC motors only. If the gate has not performed any operation in the last 10 hours, a 2-second closing pulse is given.

DIP 8 - OFF

If electoromecanic motors installed HYDRAULIC RETENTION deactivated.

DIP 9 - ON

Disable input of limit switch OPENING M1

DIP 9 - OFF

Enable input of limit switch OPENING M1

DIP 10 - ON

Disable input of limit switch CLOSING M1

DIP 10 - OFF

Enable input of limit switch CLOSING M1

DIP 11 - ON

Disable input of limit switch OPENING M2

DIP 11 - OFF

Enable input of limit switch OPENING M2

DIP 12 - ON

Disable input of limit switch CLOSING M2

DIP 12 - OFF

Enable input of limit switch CLOSING M2

AUTOMATIC CLOSING

In the event of a power failure during the opening and closing movement and during pause, when the power is restored the system executes a closing operation in order to always guarantee that the gate is closed after moving away from it.(only if DIP 2 is OFF)

FINAL CHECKS AND TESTING

- 1 • Before powering the control unit for programming, check the following:
- 2 • Check that the dip switches have been set correctly (by default all DIPs are OFF)
- 3 • Check the electrical connections; improper connection may cause damage to the control unit or the operator.
- 4 • POWER THE DEVICE
- 5 • Check that the LEDs of security devices are on (L7 and L9) the LEDs
- 6 • START and STARTPED are off
- 7 • Check that when activating any used limit switch, the relevant LEDs switch off (L1-L2-L3-L4).
- 8 • Check that when passing across the range of the photocells, the relevant LED switches off.
- 9 • Check that the gate is closed and that the motors are locked and ready for operation.
- 10 • Remove any obstacles from the range of action of the gate. Power the device and pass to the programming phase.

4. CONFIGURATION INSTALATION PROCESS

TOTAL OPENING AND TRANSMITTER PROGRAMMING

STEP 1
Place all the DIP switches in the correct position. In case of not using any safety device at M3 terminal (ex: photocells), place LINK WIRE to COM input for PHOTOCELLS and put DIP 4 in ON position.
STEP 2
Unlock the automation and move the gate to the middle position and re-lock.
STEP 3
Connect the power to the control board check if the limit-switches are activated correctly. When wiring the limit-switches at 12-13-14-15 terminals, the L2/L4 and L1/L3 LEDs will remain lit. When moving the gate manually towards the closed position, the L2/L4 LED must turn off and when moving it towards the open position, the L1/L3 LED must go off too. IF NOT USED PUT DIP 9-10-11-12 in ON position.
STEP 4
Make a START using a piece of wire by connecting the 16 and 11 terminals with the wire tips and check if the motor is running in the correct direction (GATE OPENING DIRECTION). When the gate starts moving to one side, move the limit-switches towards the gate's movement direction and it should stop. If it doesn't, pull it the other way and it will stop. Swap the motor wires (03 and 05 or 06 and 08 terminals from M2 connector) to put in the right direction.
STEP 5
When the gate is synchronized with the limit-switch correct direction, make a START again between 16 and 11 terminals. The gate will begin to move to one side. Let it reach the closed position electrically.

TORQUE REGULATION

Through key P1 is possible to regulate the TORQUE of the motors: during the working (opening or closing time) by pressing key P1, by each press the torque decreases by 10%, up to maximum 6 presses. By 7th press it returns to the maximum torque and the LED flashes once.

Tensions

0=220V | 1=210V | 2=205V | 3=180 | 4=150V | 5=115V | 6=90 V

CODE LEARNING

1 • When the gate comes to a closed position, press the P1 button located on the control board for 2 seconds until the CODE LED (see connection diagram page) stays lit. Right away, press the transmitter button you want to be the total opening key (choose between 1, 3 buttons TX MANO)

NOTE: When the transmitter button is pressed, the CODE LED must blink, indicating it is receiving the code.

2 • Release the first button and then press the button number 2 to memorize the pedestrian opening button. Release it and wait for the CODE LED turns off.

NOTE: If you select a button other than the nº 2 for pedestrian opening, the control board will recognize it as complete opening button, which means it will override the first pressed button. If the pedestrian opening is not wished, do not press the nº2 button and wait for the CODE LED to turn off.

03 • The transmitter is now configured.

NOTE: After setting up a transmitter type, the control board will only accept transmitters from the same type, it means, if the first transmitter is Rolling Code, they must all be Rolling Code for the central to accept them. To program other transmitters, repeat the steps from CODE LEARNING.

ERASE ALL THE TRANSMITTERS FROM THE CONTROL BOARD

01 • With the gate closed, hold the P1 button continuously. The CODE LED lights up and wait for 15 seconds until it turns off. Release the P1 and the LED will flash twice that signals the MEMORY RESET success.

REMOTE CONTROL LEARNING WITHOUT ACCESSING THE CONTROL UNIT

After the system has learned a remote control manually (pressing the key P1), self-learning of other remote controls of the same family can be enabled by simultaneously pressing key 1 and 3 of the transmitter already learned for 2 seconds. Subsequently, when pressing the key of a new remote control it is self-learned.

TRANSMITTERS RESTORE

Once the memory is replaced you can restore previously configured transmitters from the old control board. Follow the CODE LEARNIG instructions and use one of customer's ZERO original transmitters. To have all transmitters working again will be necessary to set only one of the existing transmitters.

PROGRAMMING THE WORK TIME AND PEDESTRIAN OPENING

STEP 1
<p>RESET TO FACTORY DEFAULTS</p> <ul style="list-style-type: none"> - Put DIP 1 to ON position - Power off the control unit by removing the M1 connectors plug or power switch. After few seconds power on. - Put DIP 1 to OFF position.
STEP 2
<p>CHECK THE GATE, has to be closed</p>
STEP 3
<p>By setting DIP 1 to ON time self-learning is enabled.</p>
STEP 4
<p>Pressing START or the first channel of a remote control learned, the 1st gate leaf starts opening. From this moment the micro-processor starts counting the times (programming LED switches on)</p>
STEP 5
<p>While the 1st gate leaf is opening, press TX to start the 2nd gate leaf opening (after desired delay time between two leaves).</p>
STEP 6
<p>When the 1st gate reaches the desired position press START again and it stops;</p>
STEP 7
<p>When the 2nd gate reaches its desired position press START again and it stops as well (if automatic stops are used it is not necessary to press TX); the flash light switches off and from this moment the pause time is counted.</p>
STEP 8
<p>When the pause time is considered sufficient press START. (for RAPID CLOSING function see below).</p>
STEP 9
<p>The 2nd gate starts closing, after the desired delay press START again and the 1st gate starts closing.</p>

STEP 10
When the 2nd gate reaches the desired position press START and it stops.
STEP 11
When the 1st gate leaf reaches the desired position press START and it stops as well (if automatic stops are used it is not necessary to press TX).
STEP 12
The flash light switches off. The programming LED flashes to indicate LEARNIG succeed.
STEP 13
At this point reset DIP 1 to the OFF position (LED switches off) and everything is ready to restart gate opening.

FUNCTION 1 MOTOR: in case of one motor, the programming is performed as for 2 motors, but the first start it is given with the key P1 of the control unit.

The control unit can also manage partial opening (pedestrian) through the 2nd channel of the remote control, already stored previously, or a PEDESTRIAN START input. To program the pedestrian time, operate as above using the PEDESTRIAN START input or the 2nd channel of the TX.

NOTE
IN CASE YOU SELECT AFTER LERNING OTHER FUNCTIONS, SUCH AS DECELERATION-HAMMER STROKE - STRENGTH VARIATION SELECTED BY DIP SWITCH FUNCTIONS THE PROGRAMMING MUST BE PERFORMED AGAIN FROM THE FIRST STEP

INCREASING PAUSE TIME FUNCTION WITHOUT PROGRAMMING AGAIN

By pressing key P1 during the pause, the pause time increases by 5 seconds each press up to max 20 sec.. After the 5th press the original pause time is restored and the led flashes once.

RAPID CLOSING (3 seconds after the passage and liberation of the photocell): in PROGRAMING mode during pause time, interrupt the photocells infrared beam for 2 seconds, now you will have automatic closing by photocells after 2 seconds once activated, independently if pause time has been set. At the end of the programming procedure, the function is enabled. To disable it, repeat the programming procedure.

TIMER CLOSING

Connection of a CLOCK with permanent START function. It is possible to connect a CLOCK (TIMER) to the inputs n° 16 and 24 of the terminal M3.

After elapsed START timer, gate re-closes automatically if DIP2 and DIP 3 are in ON after pause time, otherwise IT will wait for the START button signal input (ex. from transmitter).

WARNING LIGHT/FLASH LIGHT CONTROL using terminals 28-29

The control unit has a warning light output which gives a warning on the state of the gate

GATE CLOSED	Warning light off
GATE OPENING	Fast flashing
GATE CLOSING	Slow flashing
GATE IN PAUSE	Warning light off (when used as flash light). If you want the WARNING LIGHT to be on during the pause, it is necessary to bring the DIP 7 in ON.

END POSITON STOP: program, working flow is set with 4 automatic stop positions, the automatic stops are already configured so if the working time (opening or closing) was not enough, it will be increased up to 15 seconds or more. (if the automatic stop is not used, put the relative DIP 14-15-16-17 in ON

Memory (M) Substitution (Restore)

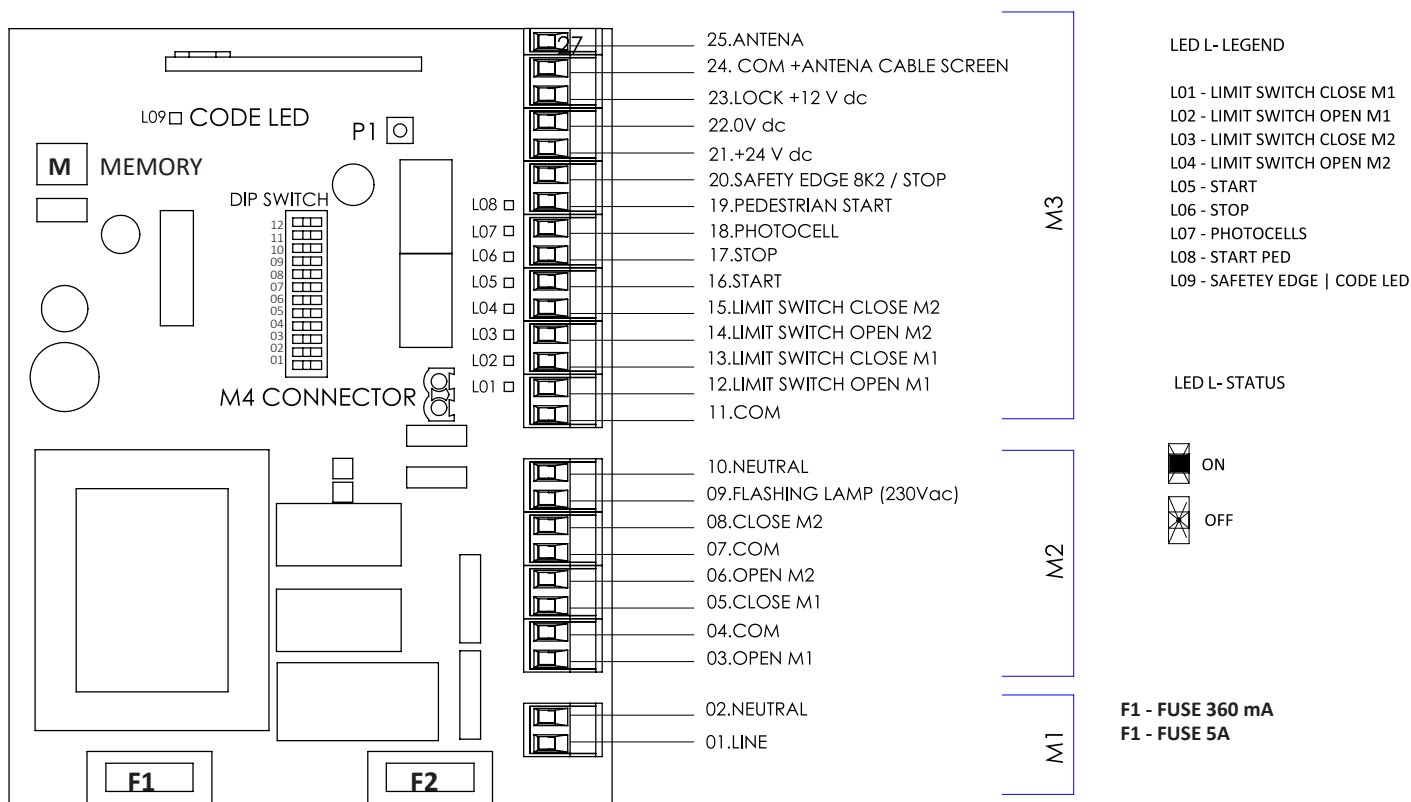
In cases where the control board fails or is damaged. The memory can be replaced keeping all programmed functions and transmitters. The memory module can be extracted and plugged into the new control board with all programming as previous . All programmed functions for opening and closing settings will be available again. (to do this operation you are kindly advised to contact our technical support department).



RESET TO FACTORY DEFAULTS

1. Put DIP 1 to ON position
2. Power off the control unit by removing the M1 connectors plug or power switch. After few secons power on.
3. Put DIP 1 to OFF position.

CONNECTIONS & LED FUNCTIONS

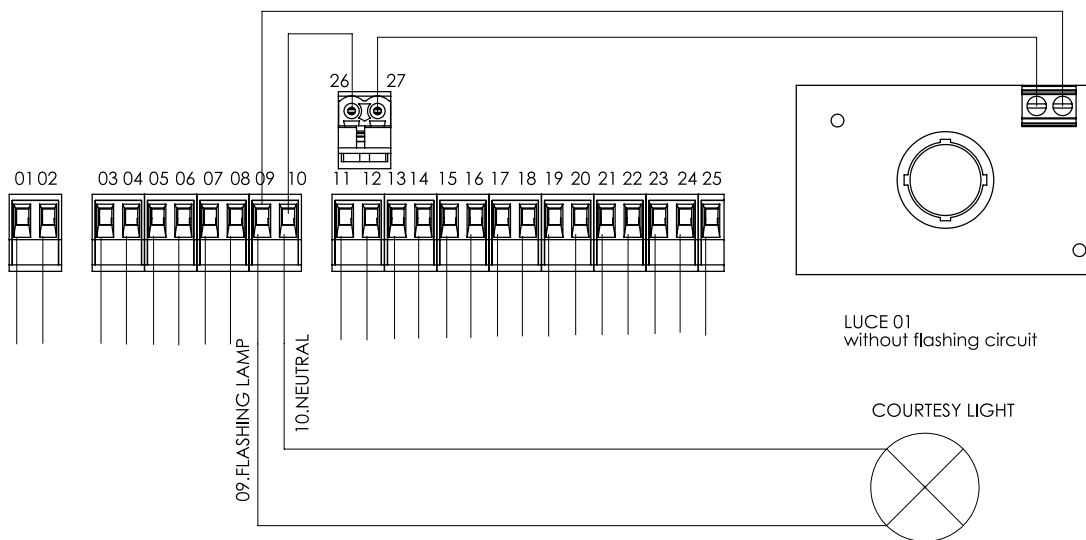


LED	COLOR	FUNCTION DESCRIPTION
L01	RED	Always on. Goes off when the CLOSING LIMIT SWITCH of motor 1 is reached.
L02	RED	Always on. Goes off when the OPENING LIMIT SWITCH of motor 1 is reached.
L03	RED	Always on. Goes off when the CLOSING LIMIT SWITCH of motor 2 is reached.
L04	RED	Always on. Goes off when the OPENING LIMIT SWITCH of motor 2 is reached
L05	RED	Comes on when the START command is activated and goes off when released. Always on.
L06	RED	Comes on when the STOP command is activated and goes off when released.
L07	RED	Goes off when the photocell is intercepted interrupting the PHOTO beam.
L08	RED	Comes on when the PEDESTRIAN start command is activated and goes off when released.
L09	RED	Comes on when SAFETY EDGE is activated and while programming. Blinking when safete edge is wrongly configured.

FLASHING LIGHT & COURTESY LIGHT CONNECTIONS

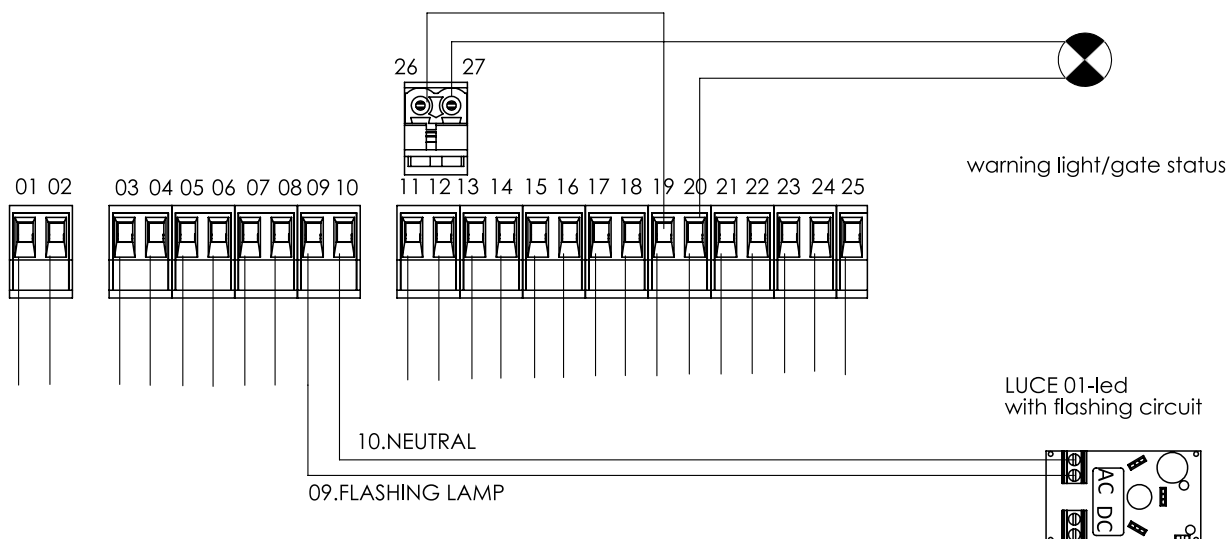
DIP 7 - ON

The outputs 09-10 of the terminal board are used to control a COURTESY LIGHT that remains active for 3 minutes after the motor movement. In this mode, the terminals 26-27 can be used to connect a FLASHLIGHT without a flashing circuit.

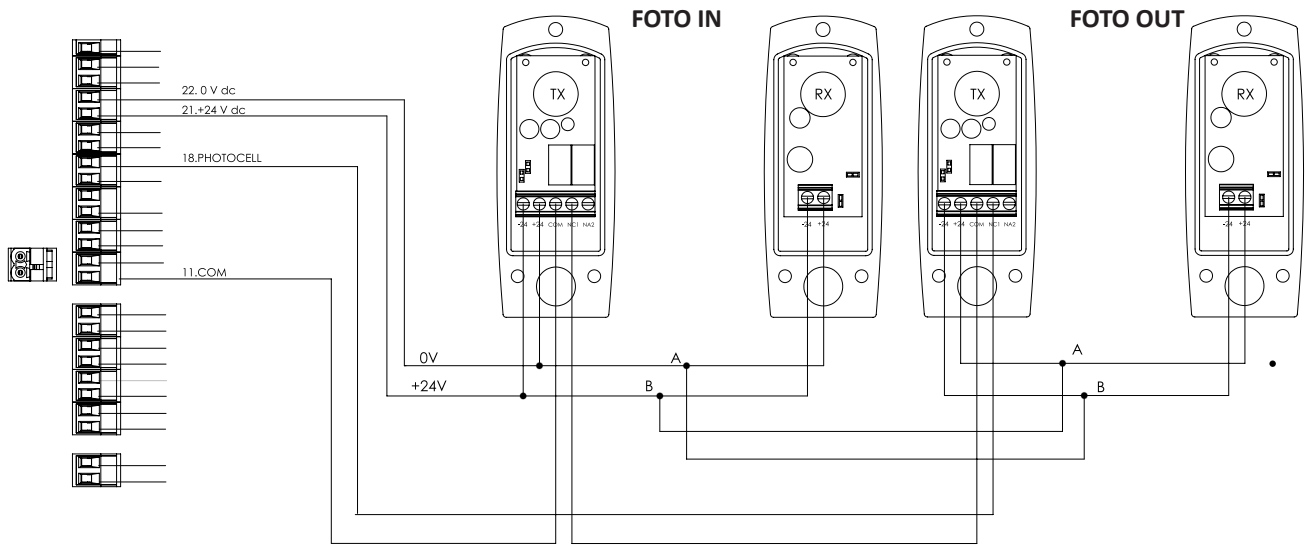


DIP 7 - OFF

The outputs 09-10 of the terminal board are used to control a FLASHLIGHT equipped with its own flashing circuit. Using terminals 26-27 connect a warning light output which gives a warning on the state of the gate.



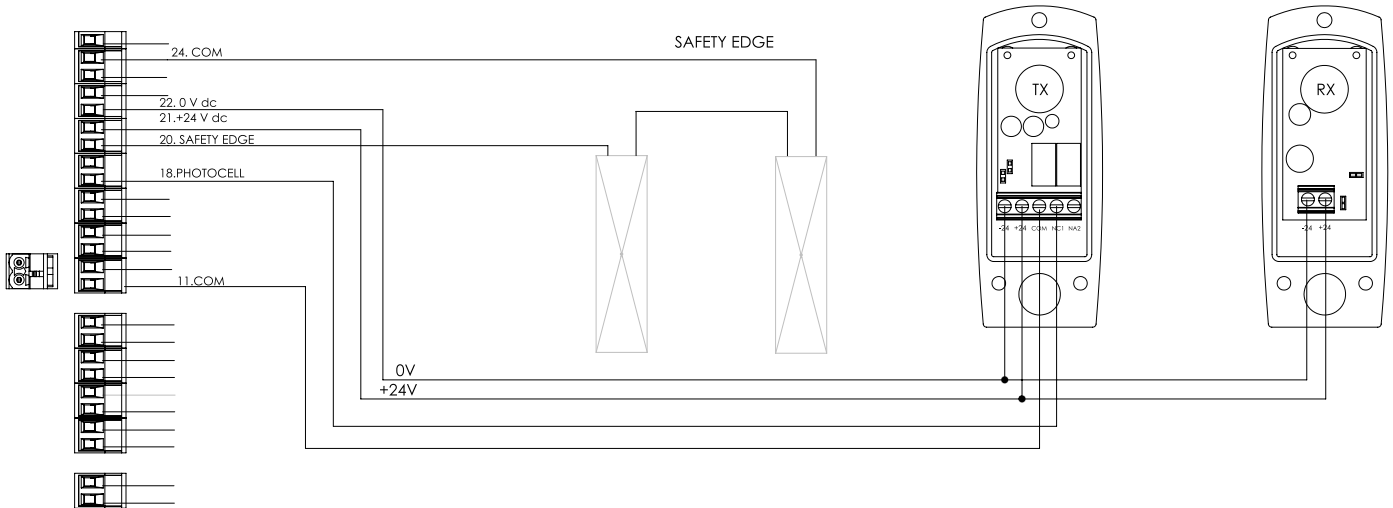
PHOTOCELLS CONNECTION - SYNCHRONIZED



NOTE :

OUT&IN POSITION PHOTOCELLS ONCE DETECTED THE OBSTACLE (**ONLY WHILE CLOSING**) WILL REVERSE THE GATE MOVING UNTIL COMPLETE OPENING POSITION.

PHOTOCELLS CONNECTION (OUT) AND SAFETY EDGE (IN) OUTPUT



DIP 4 - OFF : Enables SAFETY EDGES (8K2 or NC wire) input. **FACTORY DEFAULT :** NC wire SAFTE EDGE

NOTE :

OUT POSITION PHOTOCELLS ONCE DETECTED THE OBSTACLE (**ONLY WHILE CLOSING**) WILL REVERSE THE GATE MOVING UNTIL COMPLETE OPENING POSITION.

IN POSITION SAFETY EDGES ONCE DETECTED OBSTACOLE (**WHILE GATE CLOSING OR OPENING**) WILL REVERSE THE MOVEMENT IN OPOSIT OBSTACOLE WAY FOR 2 SECONDS. REQUIRE TO USE A START BUTTON TO MOVE THE GATE AGAIN IN OPOSIT OBSTACOL DIRECTION.

DIP SWITCH DEFAULT (FACTORY) SETTINGS

The default settings are highlighted in the boxes with grey background.

DIP 1	ON	PROGRAMMING WORKING TIME
	OFF	NORMAL OPERATION : READY TO START
DIP 2	ON	AUTOMATIC CLOSURE DISABLED
	OFF	AUTOMATIC CLOSURE ENABLED
DIP 3	ON	CONDOMINIUM LOGIC
	OFF	NO FUNCTION
DIP 4	ON	SAFETY EDGES CONNECTIONS DISABLED
	OFF	SAFETY EDGES CONNECTIONS ENABLED
DIP 5	ON	HAMMERS STROKE ENABLED
	OFF	HAMMER STROKE DISABLED
DIP 6	ON	DECELERATION FOR 3 SECOND EACH LEAF WHILE OPENING AND CLOSING
	OFF	DECELEREATION DURING OPENING AND CLOSING DISABLED
DIP 7	ON	COURTESY LIGHT ON TERMINAL 09 and 10
	OFF	FLASHING LIGHJT WITH OWN BLINKING FUNCTION ON TERMINALS 7 and 8
DIP 8	ON	HYDRAULIC MOTORS INSTALLED
	OFF	ELECTROMECHANIC MOTORS INSTALED
DIP 9	ON	LIMIT SWITCHES CLOSING MOTOR 1 DISABLED
	OFF	LIMIT SWITCHES CLOSING MOTOR 1 ENABLED
DIP 10	ON	LIMIT SWITCHES OPENING MOTOR 1 DISABLED
	OFF	LIMIT SWITCHES OPENING MOTOR 1 ENABLED
DIP 11	ON	LIMIT SWITCHES CLOSING MOTOR 2 DISABLED
	OFF	LIMIT SWITCHES CLOSING MOTOR 2 ENABLED
DIP 12	ON	LIMIT SWITCHES OPENING MOTOR 2 DISABLED
	OFF	LIMIT SWITCHES OPENING MOTOR 2 ENABLED

TROUBLESHOOTING			
Problem	Procedure	Behavior	Procedure II
Door doesn't work	Make sure you have 230V power supply connected to control board and if it is working properly.	Still not working.	Consult a qualified ZERO technician.
Motor doesn't move but makes noise	Unlock motor and move the gate by hand to check for mechanical problems on the movement	Encountered problems?	Consult an experienced gate expert.
		The gate moves easily?	Consult a qualified ZERO technician.
Motor opens but doesn't close	Unlock motor and move the gate by hand to closed position. Lock motor again and turn off power supply for 5 seconds. Reconnect it and send start signal using transmitter.	Gate opened but didn't close again.	Check if there is any obstacle in front of the photocells;
			Check if any of the control-devices (key selector, push button, video intercom, etc.) of the gate are jammed and sending permanent signal to control unit;
			Consult a qualified ZERO technician.
Gate doesn't make complete route	Unlock motor and move gate by hand to check for mechanical problems on the gate	Encountered problems?	Consult an experienced gate expert.
		The gate moves easily?	Consult a qualified ZERO technician.
LED CODE Blinking	Check the safety devices connections and DIP 4 position. If during the PROGRAMMING wasn't detected 8.2KOhm safety edge will be necessary to perform programming again. (FACTORY DEFAULT is wire NC safety edge set)		

Discovering the origin of the problem			
1. Open control board and check if it has 230V power supply 2. Check input fuses	3. Disconnect the motor from control board and test them by connecting directly to power supply in order to find out if they have problems.	4. If the motor works, the problem is on the control board. Pull it out and send it to our ZERO technical services for diagnosis.	5. If the motor doesn't work, remove them from installation site and send to our ZERO technical services for diagnosis.
Check all motion axis and associated motion systems related with the motor and the gate to find out what is the problem.			
1. Check capacitors, testing operator with new capacitors;	2. If capacitors are not the problem, disconnect motors from control board and test them by connecting directly to power supply in order to find out if they have problems.	3. If the motors work, the problem is from control board. Pull it out and send it to our ZERO technical services for diagnosis;	4. If the motors don't work, remove them from installation site and send to our ZERO technical services for diagnosis
<p>All ZERO control boards have LEDs that indicate the functioning of connections to allow easy diagnosis of faults. All safety devices LEDs (DS) in normal situations remain On. All "START" circuits LEDs in normal situations remain Off. If LEDs devices are not all On, there is some security systems malfunction (photocells, safety edges), etc.</p> <p>1 • Close with a shunt all safety systems on the control board (check manual of the control board in question). If the automated system starts working normally check for the problematic device. 2 • Remove one shunt at a time until you find the malfunction device . 3 • Replace it for a functional device and check if the motor works correctly with all the other devices. If you find another one defective, follow the same steps until you find all the problems.</p>			
<p>If "START" circuits LEDs are turn On, there is a control device sending permanent signal.</p> <p>1 • Disconnect all wires from START terminal input (terminal 19). 2 • If the LED turned Off, try reconnecting one device at a time until you find the defective device.</p>			
In case described procedures fell, remove control board and send to our technical services for diagnosis.			
Check all motion axis and associated motion systems related with the motor and the gate to find out what is the problem.			
1. Check capacitors, testing with new capacitors; 2. If capacitors are not the problem, disconnect motor from control board and test it by connecting directly to power supply in order to find out if it is broken;	3. If the motor doesn't work, remove it from installation site and send to our ZERO technical services for diagnosis.	4. If motor work well and move gate at full force during the entire course, the problem is from controller. Set force using P1 button on the board. Make a new working time programming, giving sufficient time for opening and closing with appropriate force.	5. If this doesn't work, remove control unit and send it to ZERO technical services services.
<p>NOTE: Setting force of the controller should be sufficient to make the gate open and close without stopping, but should stop and invert with a little effort from a person. In case of safety systems failure, the gate shall never cause physical damaged to obstacles (vehicles, people, etc.).</p>			

EC DECLARATION OF COMFORMITY:

The undersigned Mr. ANDREA MARAN , representing the following manufacturer,

ZERO SRL Via Roma 25/A 36077 ALTAVILLA VICENTINA (ITALIA)

Declares that the equipment described below:

Description: Electronic control unit
Model: ZANTAv1.0

Is in compliance with the provisions set down in the following directives:

2014/35/UE , 2014/30/UE,R&TTE

and that all the rules and/or technical specifications shown below have been applied:

2014/35/UE -Low voltage Directive

2014/30/UE- Electromagnetic compatibility Directive

2014/53/EU RED/radio equipment directive EN 301 489-3:V2.1.1 EN 300 220-2:V3.1.1

according to the following harmonized standards: -EN60335-1; EN61000-6-2 and EN61000-6-3

ALTAVILLA VICENTINA (VI) – Italia
01-07-2016

and he also declares that it is not allowed to commission the device until the machinery where it will be incorporated or whose it will become a component will have been identified and will have been declared in compliance with the conditions of the 2006/42 EC Directive and with the national legislation that transpose it.

ANDREA MARAN
ZERO SRLS Representative





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