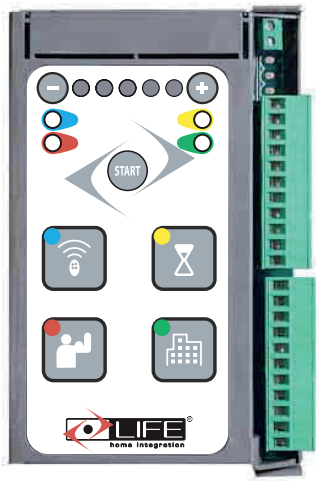
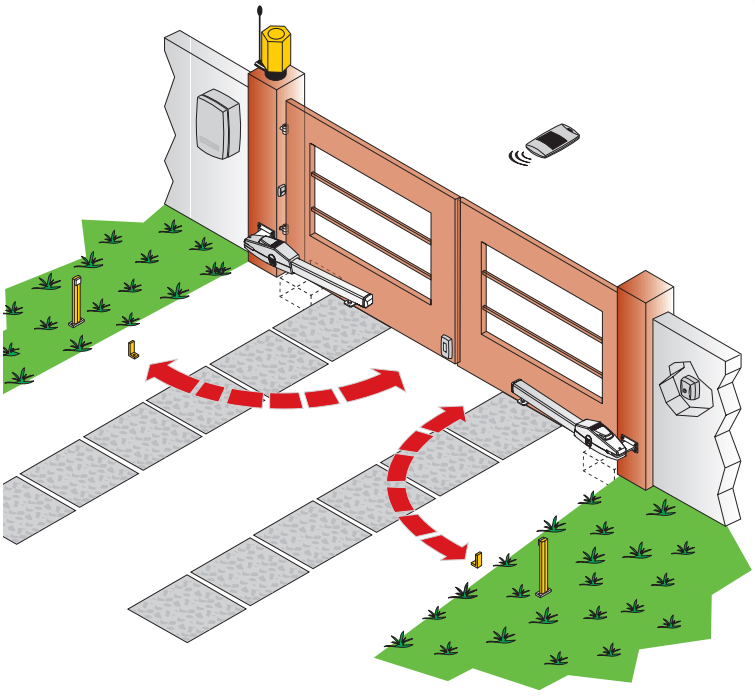
CT2 24 UNI DL 24V

GB

CONTROL UNIT FOR TWO-LEAF GATES

INSTRUCTIONS AND WARNINGS FOR INSTALLATION, USE AND MAINTENANCE





WARNING

Important safety instructions.
For personal safety it is important to follow these instructions.
Keep these instructions.
The device must be disconnected from the power supply during cleaning and maintenance operations and the replacement of components.
Do not allow children to play with the gate control devices. Keep remote controls away from children.
Monitor the moving gate and keep people away as long as the automation is moving.
Be careful when operating the manual release device as the leaves could move with the wind and cause damage to people or things.

Check the system frequently, in particular the hinges and mechanical stops, check for signs of wear or damag
Do not use, if repair or adjustment is required, as an installation failure can cause injury.
Check monthly that the safety devices are functioning and efficient.
If necessary, adjust or recheck, incorrect adjustment can present a hazard.
If the intervention does not restore the correct functioning of the automation, contact the authorized technical assistance center.
The automation must not be installed at an altitude above 2,000 m above sea level.
In accordance with the installation rules, insert a device that ensures complete disconnection from the power supply with a contact opening distance in overvoltage category III.

If the power cable is damaged, it must be replaced by the manufacturer or its technical assistance service or in any case by a person with a similar qualification, in order to prevent any risk.

WARNING:

Automation for swing gates

The gate can operate unexpectedly, therefore do not allow anyone or anything to stop in the gate movement area.

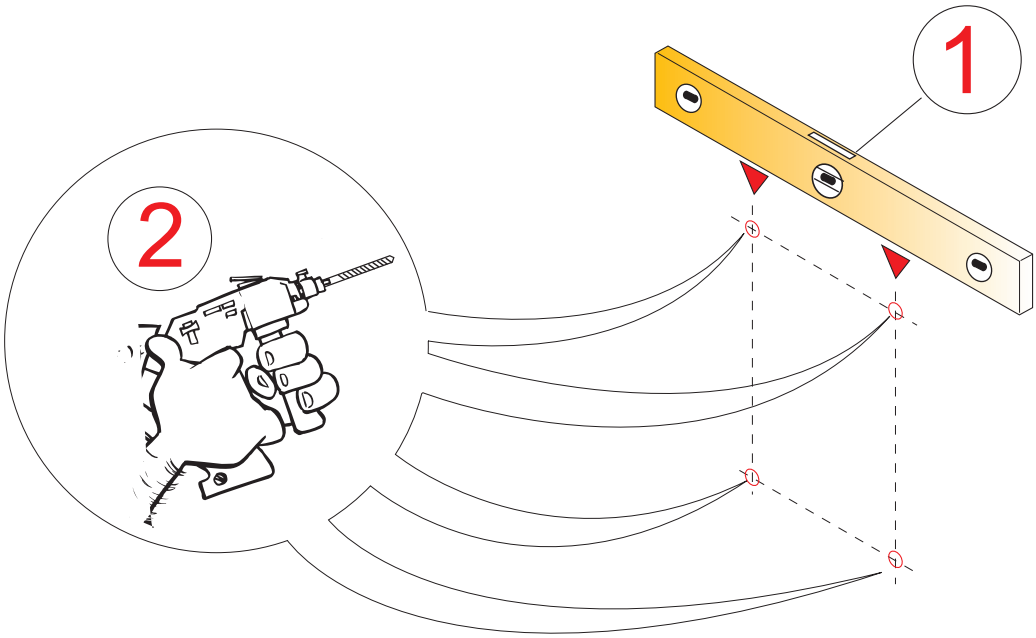
WARNING
Important safety instructions.

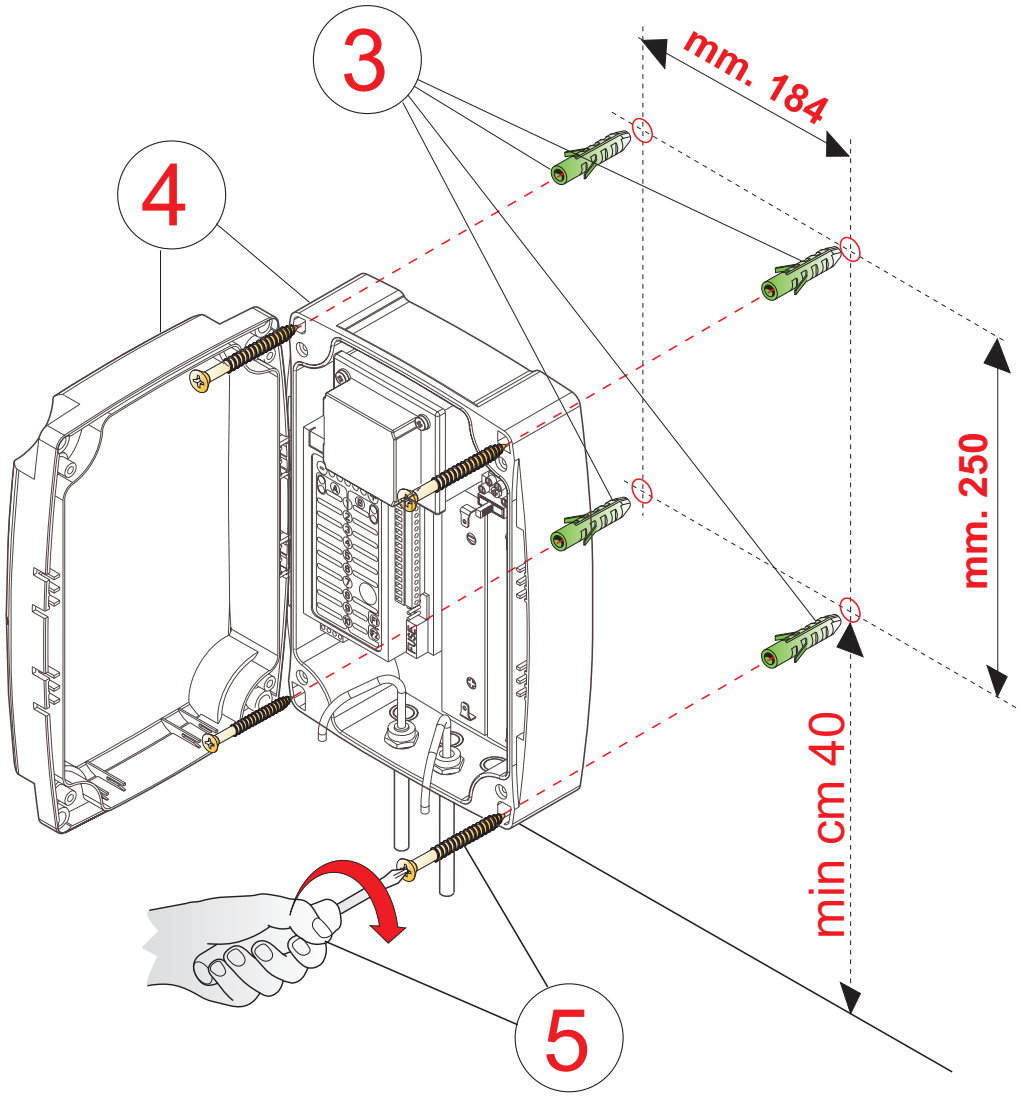
Follow all instructions as incorrect installation can cause serious damage.

Permanently fix the warning labels against entrapment in a very visible point or near any fixed control devices.

Permanently fix the manual release label adjacent to its control unit.
After installation, make sure that the mechanism is properly adjusted and that the movement motor reverses movement when the door hits an object.
After installation, make sure that the parts of the gate do not clutter public roads or sidewalks.
After installation, make sure that the protection systems work as expected.
This information must also be included in the instructions.
This appliance can be used by children under 8 years of age and by people with reduced physical abilities, sensory or mental impairments or lack of experience or necessary knowledge, as long as they are under surveillance or after they have received instructions relating to the safe use of the appliance and the understanding of the dangers inherent in it.
Children must not play with the device.
Cleaning and maintenance operations intended to be carried out by the user must not be carried out by children without supervision.

GEBOX ASSEMBLY INSTRUCTIONS





1 LINKS AND CONNECTIONS

- Before proceeding with the links and connections carefully read what is presented in the PRESCRIPTIONS AND WARNINGS FOR SECURITY and PRESCRIPTIONS AND WARNINGS FOR THE INSTALLATION.
- All of the linking and connecting operations must be performed with the power source disconnected , if the device is not visible a sign must be applied : " WARNING UNDER MAINTENANCE ".

1.1 Central Connections

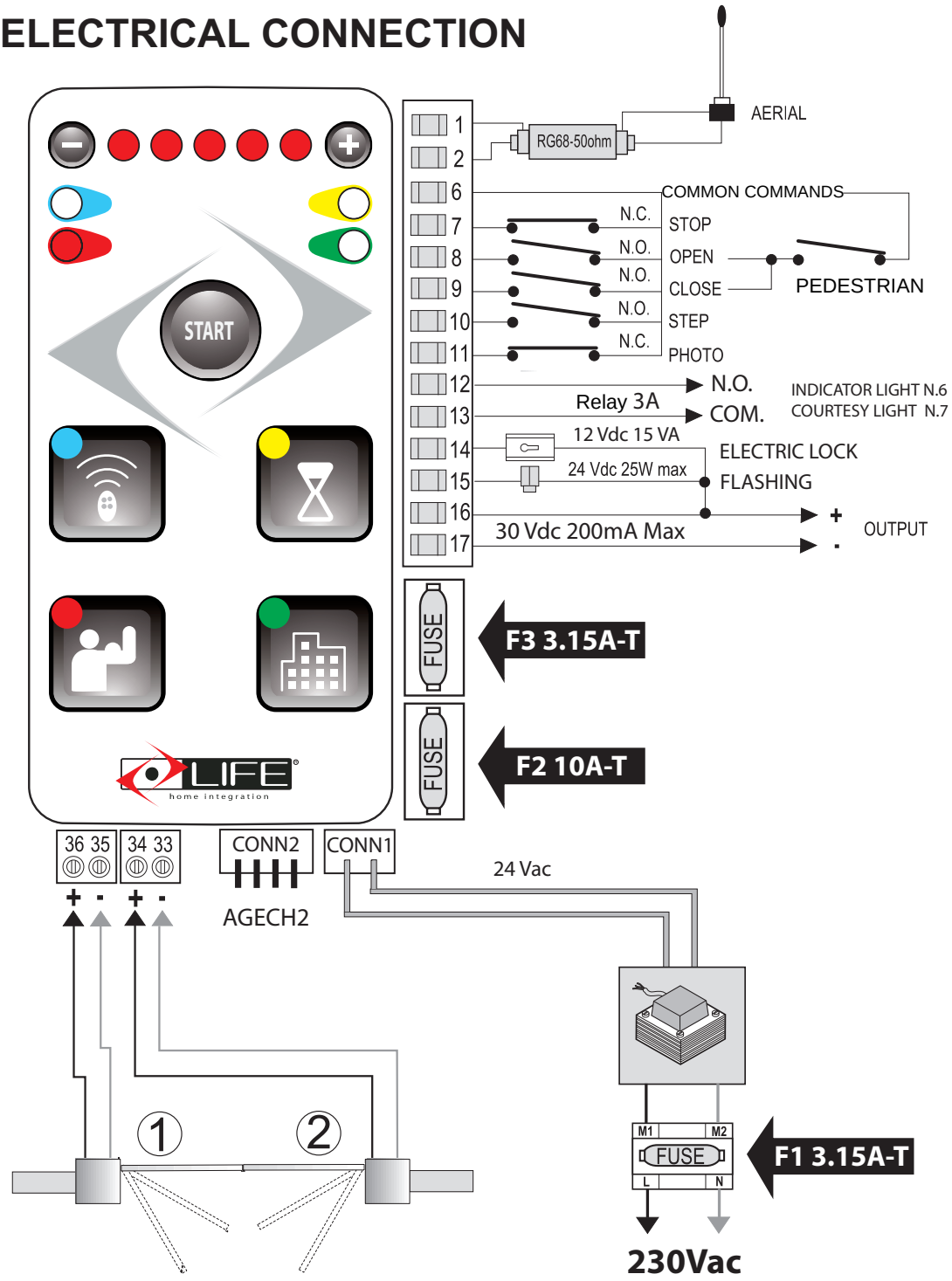
Clamps	Description (check electrical scheme , page 5)
1	**ANTENNA:** Stocking antenna input , use RG58-50 Ohm cable.
2	**ANTENNA:** Antenna cable input
6	**COMMON COMMANDS:** For the inputs : STOP - OPEN - CLOSE - STEP BY STEP - PHOTO.
6 - 7	**STOP:** Input N.C. Commands the gate's halt. Safety devices such as an emergency stop button can be connected to it. When the command is released, automatic closing is never carried out but a new movement command must be given. Leave the jumper if no device is provided.
6 - 8	**OPEN:** Input N.O. Commands the opening of the gate.
6 - 9	**CLOSE :** Input N.O. Commands the gate's halt. PHOTO1: With OPTION 1 Led 4, the input becomes N.C. for the connection of a photocell that intervenes in Opening and Closing.
6 - 10	**SETP-BY-STEP:** Input N.O. Controls the movement of the gate according to the following cycles: FOUR STEPS MODE: Open, Pause, Close, Pause. SEMI-AUTOMATIC MODE: Open, Stop, Close, Stop. CONDOMINIUM MODE: Opens (automatic closure with active pause time).
6 - 11	**PHOTO**: N.C. input for photocells or safety devices. During the opening of the gate it does not intervene; in closing it causes the inversion of the movement until the complete opening. Leave the jumper if no device is provided.
12 - 13	**RELAY CONTACT**: Dry contact Relay Max 3A, default for the connection of an Open gate light. With the activation of OPTION 2 Led 2 becomes a command for the courtesy light timed at 3 minutes.
14 - 16	**ELECTRIC LOCK**: 12Vdc output for connection of 12Vdc 15VA electric lock; to activate it, select the function from the Options menu 1 Led 3.
15 - 16	**FLASHING**: 24 Vdc 25 W max output, for connection of the flashing lamp.
16	+
17	-
	EXIT 30 Vdc : To power various devices, max 200mA.

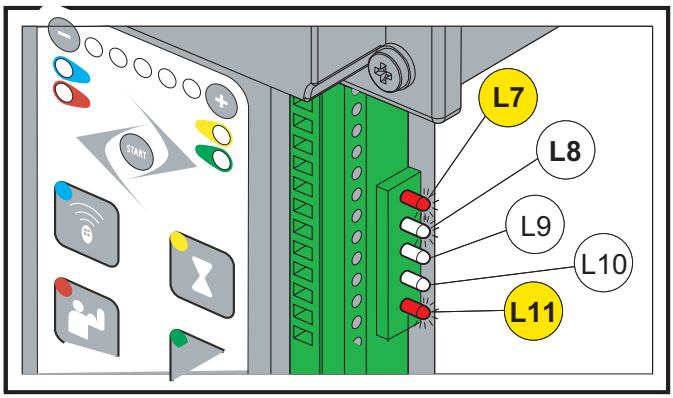
N.C. = contact normally closed - N.O = contact normally open

PEDESTRIAN: The command causes an opening of only one leaf. It can be given by a remote control or by terminal board. This terminal is obtained by bridging terminal 8 OPEN with terminal 9 CLOSE, this jumper then connects with a switch to terminal 6 COMMON. The PEDESTRIAN command from the terminal board excludes the OPEN and CLOSE commands.

	Connections bottom of the control unit	
CONN-1	**24Vac:** Input transformer power	
CONN-2	Connection battery charger AGECH-2	
33 - 34	**- / +**	Engine 2, if closed opens second.
35 - 36	**- / +**	Engine 1, if closed opens first.

ELECTRICAL CONNECTION



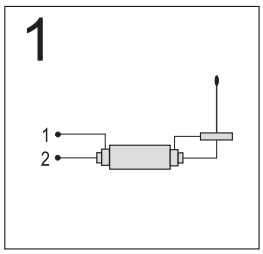


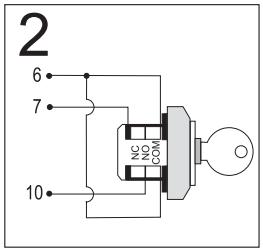
SIGNALING LED

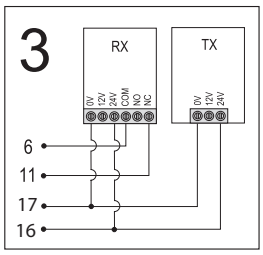
The LEDs under the terminal block indicate the state of the entrance.

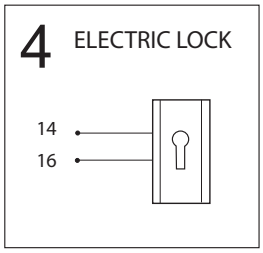
L7 and L11 are N.C. inputs and they must be turned on, they turn off when the corresponding entrance is activated.

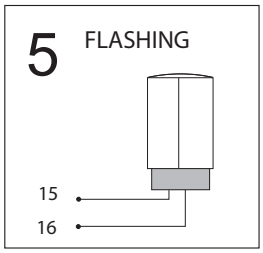
L8 - L9 - L10 are N.O. inputs they must be off, they turn on when the corresponding entrance is activated.

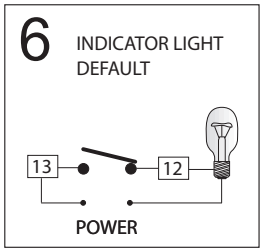


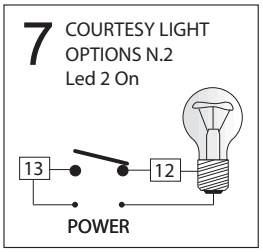






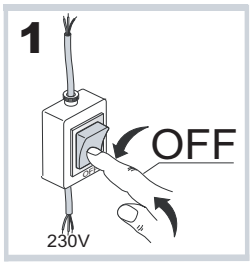


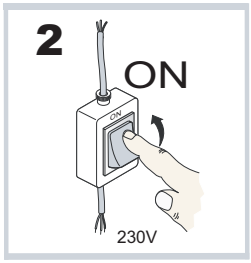




Energy Saving

ATTENTION

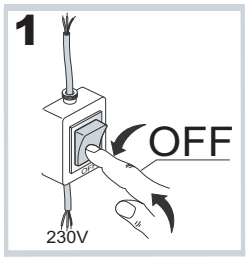


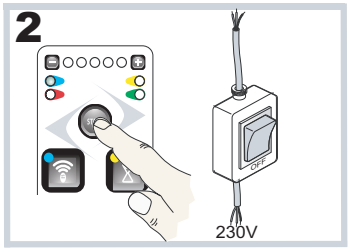


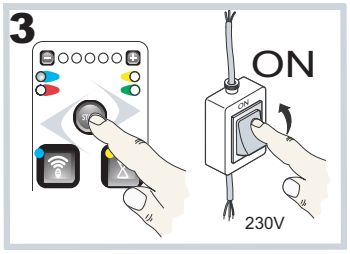
To optimize energy consumption, we have introduced the Energy Saving function. After 10 minutes from the control unit setup, the front panel LEDs turn off and the use of the keyboard is inhibited. To reactivate it, it is necessary to switch the control unit off and on again.

2 CONTROL UNIT SETUP

2.1 TOTAL RESET





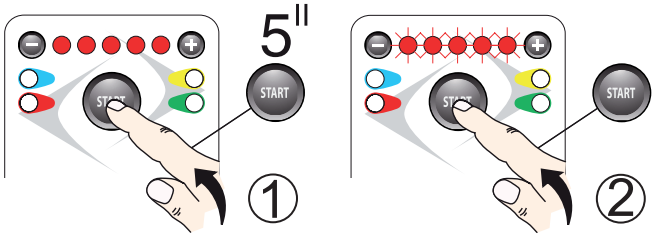


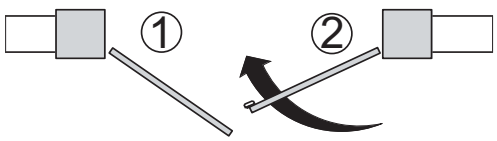
N.B.

Power off the system, hold the start button, power on again and release the start button once the red leds come on.

2.2 PROGRAMMING THE TRAVEL AND PHASE LAG

N.B. If only one motor is used, connect it to terminals 35 - 36.
Make sure you have fixed the mechanical opening and closing limit switches of the automation.





a) Place the leaves at 45°

b) Press and hold down the START button for 5 seconds until all 5 red LED'S blink.

c) Press START, the automation performs in sequence:
- closure leaf 2;
- closure leaf 1;
- opening leaf 1, with lag;
- opening leaf 2;
- closure leaf 2, with lag;
- closure leaf 1.

Once programming is complete, the two green LEDs will flash, while the two red LEDs will turn on with a steady light.

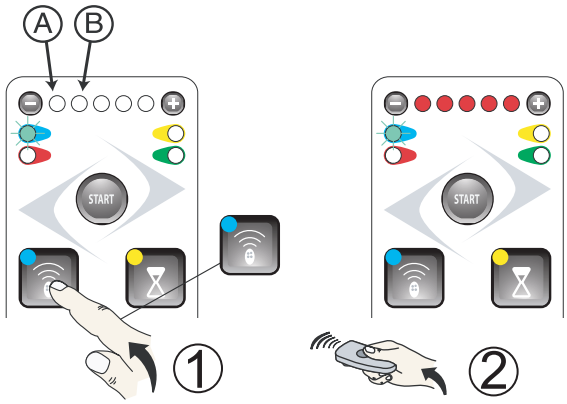
The START key at the end of programming, for 10 minutes can be used as a STEP command

If the result is not satisfactory, it is possible to carry out a manual programming to define the different phase lags . See chapter No. 7.

3 REMOTE CONTROL MANAGEMENT

The control unit is fitted with a built-in radio receiver with a 750 code memory and 2 channels with a 433.92 MHz frequency with LIFE Rolling Code and Auto code encoding.

3.1 REMOTE LEARNING



Wait 20 "or press again the key fob selection button to quit the setup mode.

TOTAL OPENING

- Press the key fob selection button (top left); the left green LED under "–" symbol and the first red dot (A) beside "– "symbol, will light up.

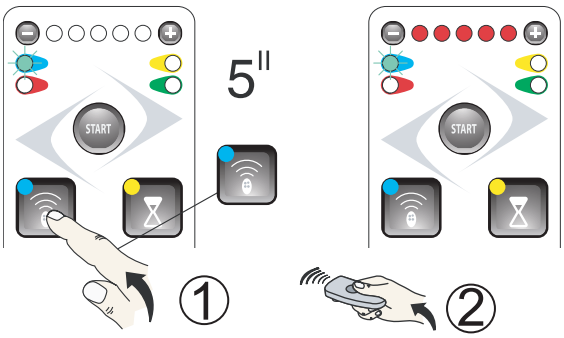
- Hold down the P1 button on the transmitter that you want to pair to perform a total opening until all five LEDS light up.

PEDESTRIAN OPENING LEAF N.1

- Press the key fob selection button (top left) twice; the left green LED under "–" symbol and the second red dot (B) beside "– "symbol, will light up.

- Hold down the button on the transmitter that you want to pair to perform a partial opening until all five LEDS light up.

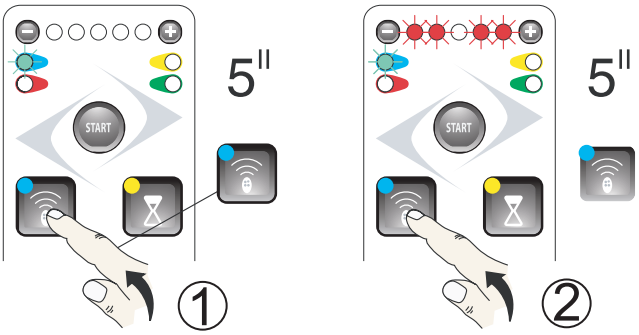
3.2 REMOVE AN EXISTING REMOTE TRANSMITTER



- Press and hold the key fob selection button for 5 seconds until the left green light under "–" symbol comes on and then starts blinking.

- Hold down the button on the transmitter that you want to remove until all five LED's light up.

3.3 REMOVE ALL EXISTING REMOTE TRANSMITTERS



- Press and hold the key fob selection button for 5 seconds until the left green light under "–" symbol comes on and then starts blinking.

- Press and hold the key fob selection button down again for 5 seconds and the LED's will blink alternately.

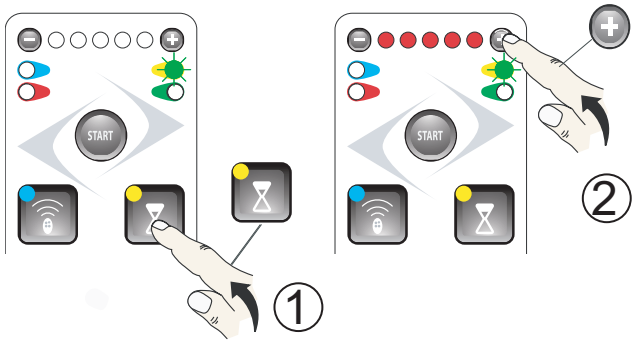
- As soon as the flashing stops, all remotes will be uccessfully deleted.

4 OPTIONS SETTING

4.1 AUTOMATIC CLOSURE

Automatic reclosure is activated after a preset PAUSE TIME.

4.2 AUTOMATIC CLOSURE



a) Press the ⧗ button the green right Led turns on

- If none of the leds ⊖○○○○○⊕ is turned on the automatic closure is not active , press the ⊕ button to activate it .
- If at least one of the leds ⊖●○○○○⊕ is on the automatic closure is activated, in order to deactivate it press the ⊖ button untill all of the Leds are off.

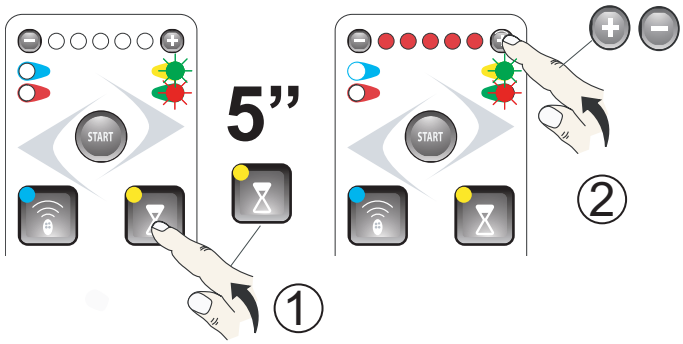
LEDS ON	PAUSE TIME
⊖○○○○○⊕	AUTOMATIC RE-CLOSURE IS NOT ENABLED
⊖●○○○○⊕	5 s
⊖●●○○○⊕	10 s
⊖●●●○○⊕	30 s
⊖●●●●○⊕	60 s
⊖●●●●●⊕	120 s

By pressing ⊖ and ⊕ you can set the various values for the PAUSE TIME

Wait 20” or press the ⧗ button again in order to anticipate the exit from programming mode.

Work cycle:
OPEN - PAUSE - CLOSE - PAUSE

4.3 SLOWDOWN TIME ADJUSTMENT



a) Press the ⧗ for 5” the green and red LEDs on the right light up:

By pressing ⊖ and ⊕ you can adjust the value of the SLOWDOWN TIME

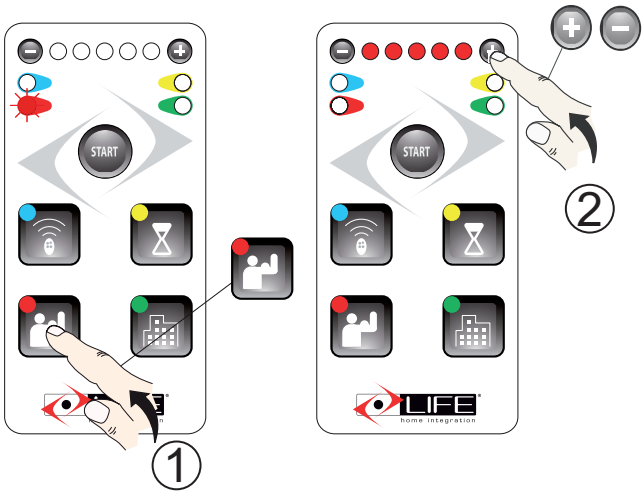
LEDS ON	DECELERATION TIME
⊖○○○○○⊕	MINIMUM
⊖●○○○○⊕	
⊖●●○○○⊕	
⊖●●●○○⊕	DEFAULT
⊖●●●●○⊕	
⊖●●●●●⊕	MAXIMUM

Wait 20” or press the ⧗ button again in order to anticipate the exit from programming mode.

ATTENTION:
The slowdown can NOT be completely eliminated, in this phase the thrust in the limit switch determines the stop of the motor stroke.

5 SPEED AND SENSITIVITY

5.1 SPEED ADJUSTMENT



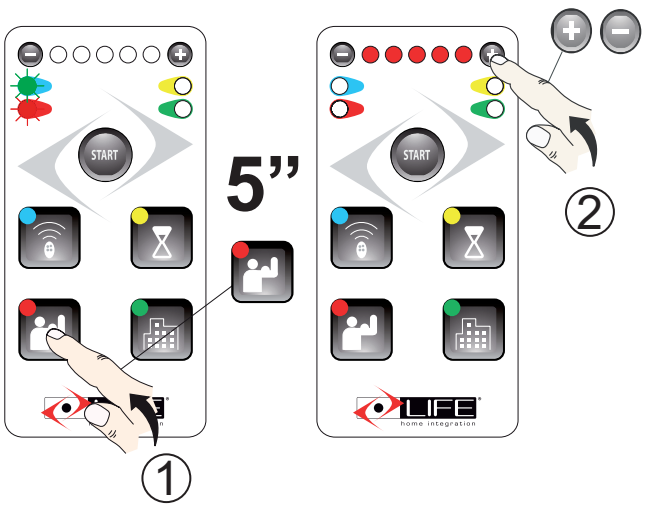
a) Press the button and left red led will turn on:

By pressing ⊖ or ⊕ the speed can be adjusted.

LED ON	SPEED
⊖○○○○○⊕	MINIMUM 75%
⊖●○○○○⊕	80%
⊖●●○○○⊕	85%
⊖●●●○○⊕	DEFAULT 90%
⊖●●●●○⊕	95%
⊖●●●●●⊕	MAXIMUM 100%

Wait 20” or press the button again to anticipate the exit from the programming mode.

5.2 MOTOR SENSITIVITY ADJUSTMENT



a) Press the button for 5” the green and red Led on the left will turn on.

By pressing ⊖ or ⊕ the sensitivity can be adjusted .

LED ON	SENSITIVITY
⊖○○○○○⊕	MINIMUM
⊖●○○○○⊕	
⊖●●○○○⊕	
⊖●●●○○⊕	DEFAULT
⊖●●●●○⊕	
⊖●●●●●⊕	MAXIMIUM

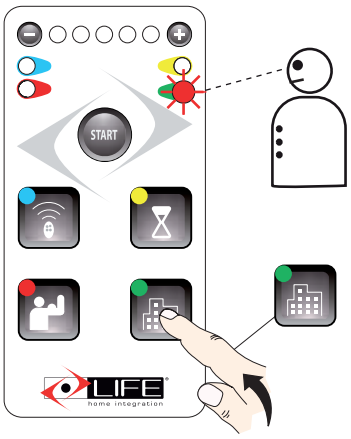
Wait 20” or press the button again to anticipate the exit from the programming mode.

ATTENTION:
Based on the gate’s structure and on its usage parameters such as sensitivity and speed mus be setted accordingly to the laws of the country.

6 OPTIONS MENU

6.1 OPTIONS 1

Press the button to enter the OPTION MENU 1. then press it again in sequence to scroll through the available options. The flashing LEDS indicate the position and the corresponding option. By pressing button + the function is activated (red led on), by pressing button – the function is deactivated

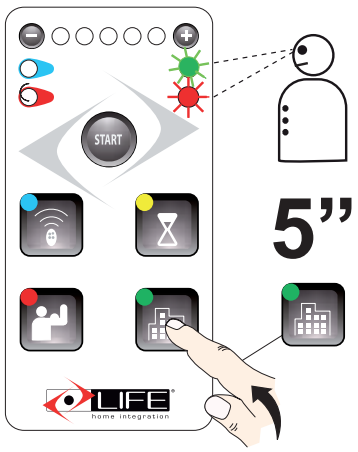


LED ON	OPTIONS 1
⊖○○○○○⊕	No active functions
⊖●○○○○⊕	Condo options: step command only opening
⊖●●○○○⊕	Change operating mode: OPEN-STOP-CLOSE-STOP
⊖●●●○○⊕	Electric lock activation.
⊖●●●●○⊕	The CLOSE input becomes PHOTO1.
⊖●●●●●⊕	Activating PHOTO anticipates closure.

Wait for 20” or press the again to exit programming mode.

6.2 OPTIONS 2

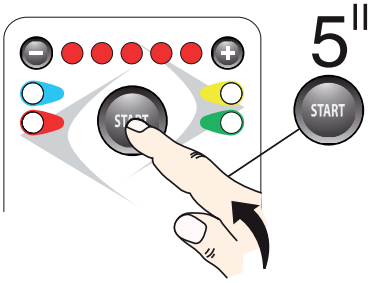
Press the button for 5” in order to enter the OPTION MENU 2 , then press it again in sequence to scroll through the available options. The flashing LEDS indicate the position and the corresponding option. By pressing button + the function is activated (red led on), by pressing button – the function is deactivated



LED ON	OPTIONS 2
⊖○○○○○⊕	No active functions
⊖●○○○○⊕	Increase the speed during slowdown
⊖●●○○○⊕	The output Relay 12 - 13 becomes COURTESY LIGHT.
⊖●●●○○⊕	Safety intervention delay during movement.
⊖●●●●○⊕	Operation in MAN'S SWITCH
⊖●●●●●⊕	.....

Wait for 20” or press the again to exit programming mode.

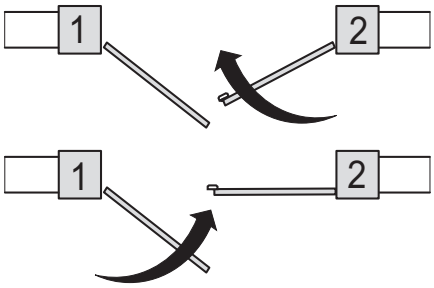
7 MANUAL PROGRAMMING



Manual programming can be done with a button connected to terminals 6 - 10 (Step-by-Step) or with the previously memorized radio control, page 7 chap. 3.1.
Place the motors (leaves) at 45 °.

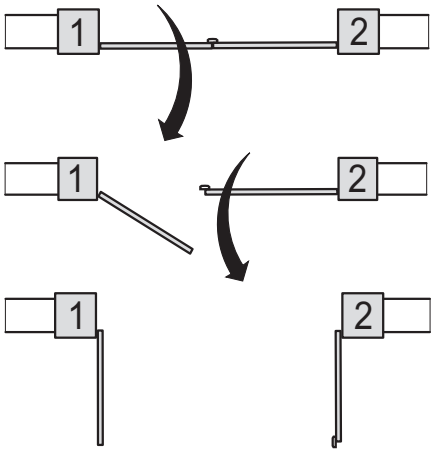
Hold the START button for 5 seconds, the 5 LEDs first light up and then flash.

7.1 LEARNING OF THE CLOSURE LIMIT SWITCH



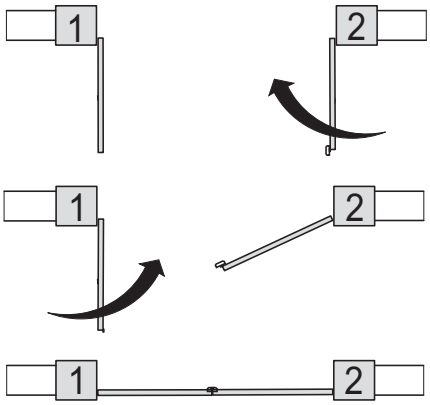
While the 5 LEDs are flashing, give a Step-by-Step command; the leaf [2] must move first performing a closure; when it reaches the mechanical stop it must stop and the Right LED lights up with a red steady light.
Give a second step-by-step command; the leaf [1] must perform a closure, when it reaches the mechanical stop it must stop and the Left LED lights up with a red steady light.

7.2 LEARNING OF OPENING PHASE LAG AND LIMIT SWITCH



Give a Step-by-Step command; the leaf [1] starts opening; as soon as it reaches the point where you want to start opening leaf [2] give a further Step-by-Step command.
The two leaves now proceed to open until they reach their respective mechanical stops, the two red LEDs on the left and on the right remain with a steady red light.

7.3 LEARNING OF CLOSING PHASE LAG



Give a Step-by-Step command; the leaf [2] starts closing; as soon as it reaches the point where you want to start closing leaf [1] give a further Step-by-Step command.
The two leaves now proceed to close until they reach their respective mechanical stops, the two red LEDs on the left and on the right remain with a steady red light.

Automation is now programmed in semi-automatic mode.
If the result obtained is not satisfactory, carry out the reset the control unit and start again from point 7.

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