



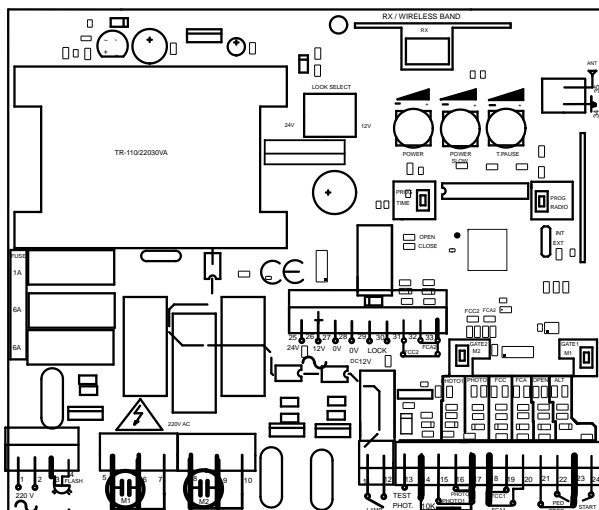
1. APPLICATIONS

Control panel powered at 230V with integrated radio designed to control 2 motors (electromechanical or hydraulic). Programming allows different offset times in opening and closing, force regulation and buffer stop at the end of opening or closing operation, with led indications for inputs. It is compatible with an extra radio by SRT Band and SRT card respectively.

2. OPERATING INSTRUCTIONS

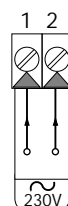
Automatic manoeuvres are carried out using the START (23-24), STOP (21-23), PED (22-23), switches and if required using the radio buttons. The manoeuvre finishes under any of the following conditions: by activating the corresponding limit switch or due to working time finishing. Activating STOP (21-23) will immediately stop the manoeuvre and new instructions will be required to start again. Activating the Safety Contact (16-17) during the closing manoeuvre will cause the inverse, activating the opening manoeuvre. The contact for Garage Light is activated 0,5 sec. before starting the opening manoeuvre and deactivated 3 sec. after starting. To regulate engine power selected in POWER regulator (red), is applied after 2 sec. from starting the manoeuvre. Suspension time (selected in the working time programme) is the time before finishing the manoeuvre that the engine will work in suspension mode. In POWER SLOW (green) we can select engine speed in suspension period when I7 is ON. The control unit has the indication of opening and closing manoeuvre by two red leds.

3. CONNECTIONS

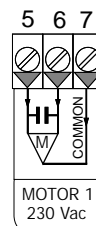


3.1 POWER SUPPLY & MOTOR CONNECTIONS

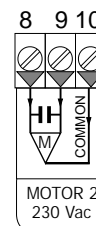
POWER SUPPLY



MOTOR 1

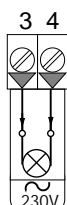


MOTOR 2

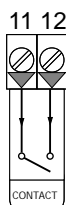


3.2 TERMINAL CONNECTIONS

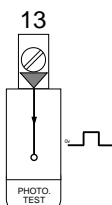
FLASH



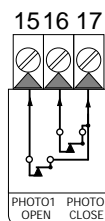
GARAGE LIGHT



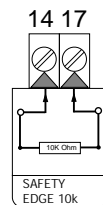
PHOTOCELL TEST



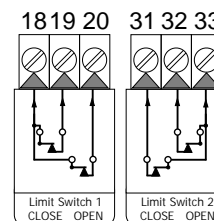
SAFETY CONTACTS



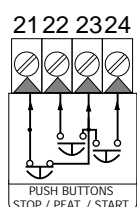
SAFETY EDGE



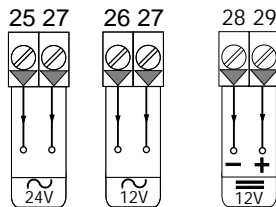
LIMIT SWITCHES



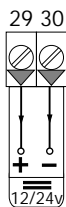
TERMINAL PUSH BUTTONS



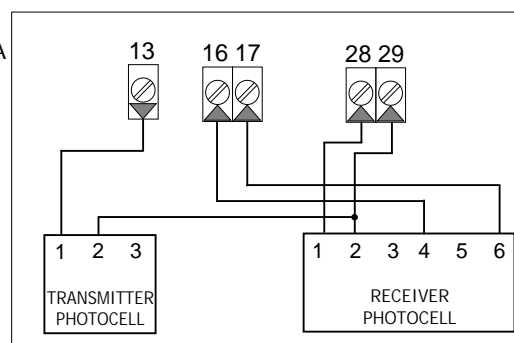
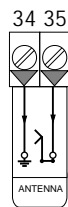
ACCESSORIES POWER SUPPLY



ELECTROLOCK (see point 5.)



ANTENNA



4. BRIDGE SELECTORS

Radio Internal / External



Lower selector - External

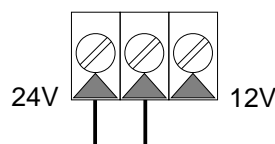


Upper selector - Internal

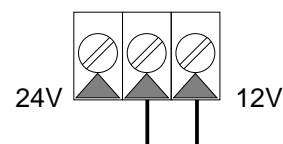
5. ELECTRO-LOCK POWER SUPPLY

ELECTRO-LOCK or
ELECTROMAGNET 24V DC*





















LOOK SELECT

ELECTRO-LOCK or
ELECTROMAGNET 12V DC*

LOOK SELECT

*SEE POINT 6, OPTION 3 FOR ELECTRO-LOCK OR
ELETROMAGNET SELECTION

6. OPTIONS

1	AUTOMATIC CLOSING		- Door closes automatically after waiting the a.c. time.
			- Door does not close automatically.
2	DISABLE STOP OPENING		- The ALTER button (23-24), transmitter or GATE 1 button, can't stop the door on opening.
			- Door stops on opening with transmitter, GATE 1 or ALTER (23-24) buttons.
3	ELECTROLOCK OUTPUT FUNCTION		- Electromagnet operation.
			- Electro-lock operation.
4	INVERSION SHUT		- Before opening, the electro lock and closure relay are activated.
			- Normal opening with electro lock.
5	CLOSING BY SAFETY CONTACT		- Door closes when close safety contact (16-17) is deactivated or when finishes the programmed time. (only with option 1 ON.)
			- Close safety contact (16-17) normal operation, working only during the closing manoeuvre.
6	FLASHING LIGHT		- Flashing.
			- Fixed.
7	SOFT STOP		- At the end of opening and closing manoeuvre, the door does a soft stop. (with option 8 ON, option 7 does a impulse every hour.)
			- Without soft stop.
8	MOTOR TYPE		- For hydraulic motors.
			- For electro-mechanical motors.
9	HYDRAULIC RAM		- Before soft stop, closing manoeuvre is activated at maximum power during 2 seconds.
			- Normally close.
10	PHOTOCELL STORING		- When set to ON, check the securities that are connected. If any photocell is connected, the control unit doesn't work. To start over the test, put the dip-switch to OFF and ON again.
			

7. POTENTIOMETERS

POWER (RED)



OPTION 8 OFF - Motor Power regulation.
OPTION 8 ON - Motor 1 Pressure Switch.
Rotate LEFT to decrease and rotate RIGHT to increase.

POWER SLOW (GREEN)



OPTION 8 OFF & 7 ON - Soft Stop Motor regulation
OPTION 8 ON - Motor 2 Pressure Switch Inhibition time
Rotate to LEFT to decrease and rotate to RIGHT to increase.

AUTOMATIC CLOSING TIME (BLUE)

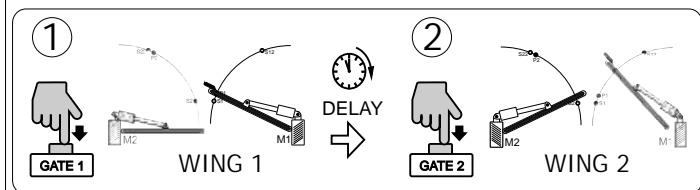


Regulates the waiting time before the automatic close. Turn LEFT to decrease and RIGHT to increase.
Minimum - 3 seg.
Maximum - 120 seg.

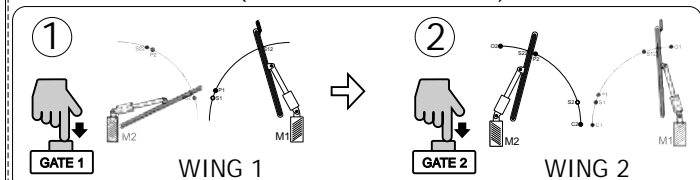
8. DIGITAL TIME PROGRAMMING for working and automatic closing.

OPENING PROGRAMMATION

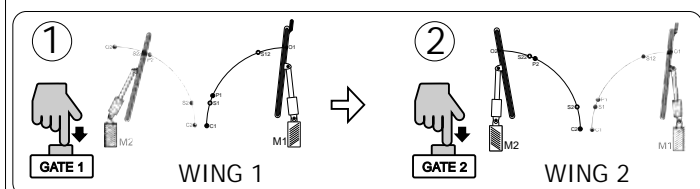
- DOORS CLOSED
- START PROGRAMMATION WITH "PROG. TIME" BOUTON (LED ON)



- DOORS OPENING...
- START SOFT STOP (ONLY WITH OPTION 7 ON)



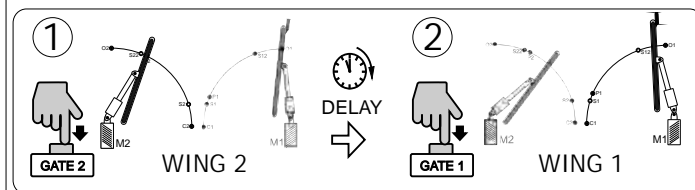
- STOP DOORS BY LIMIT SWITCHES OR GATE 1 & GATE 2 BUTTONS.



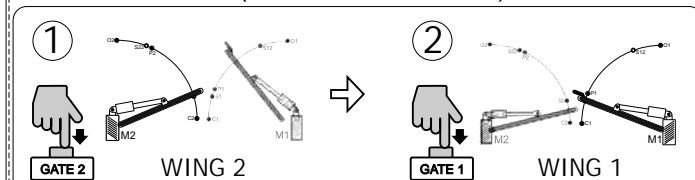
- DOORS OPENED
- IF AUTOMATIC CLOSING IS ON, START A.C. TIME
- FOLLOW CLOSING PROGRAMMATION

CLOSING PROGRAMMATION

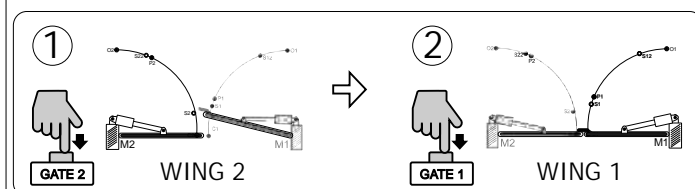
- DOORS OPENED
- START CLOSING PROGRAMMATION



- DOORS CLOSING...
- START SOFT STOP (ONLY WITH OPTION 7 ON)



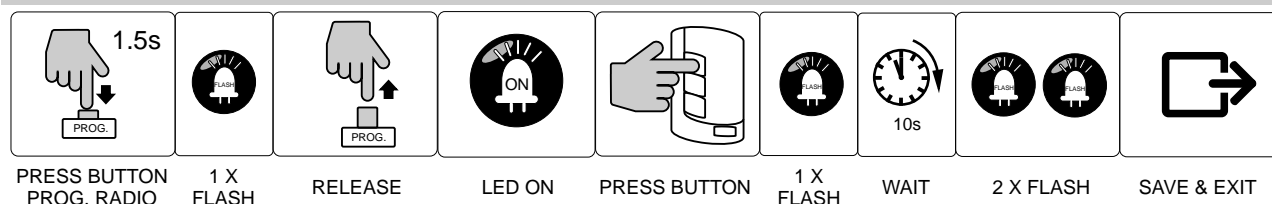
- STOP DOORS BY LIMIT SWITCHES OR GATE 1 & GATE 2 BUTTONS.



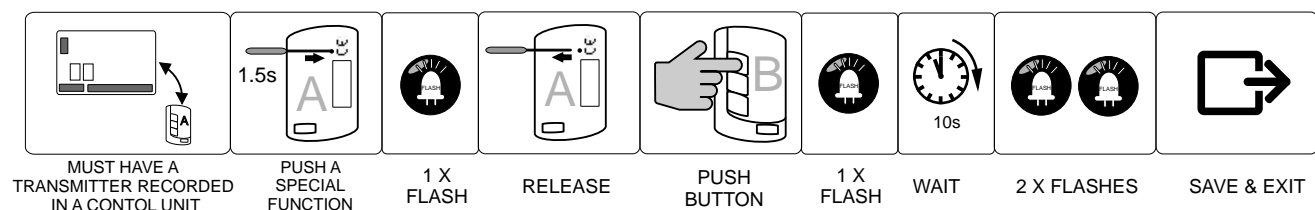
- DOORS CLOSED
- SAVE & EXIT (LED OFF)

IF IS USED ONLY A ONE MOTOR, MAKES THE PROGRAMMING PROCESS WITH GATE 1 BUTTON.

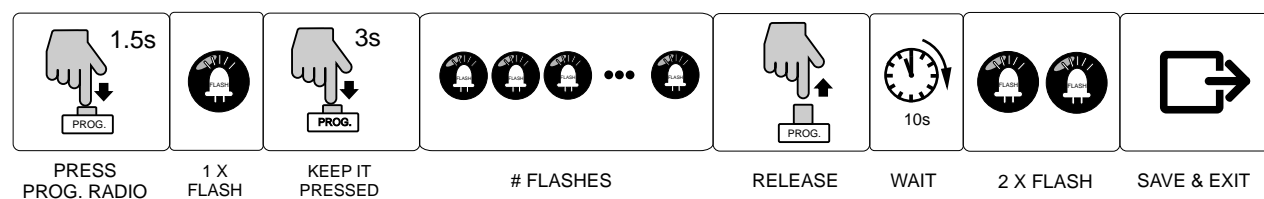
9. PROGRAMING A TRANSMITTER



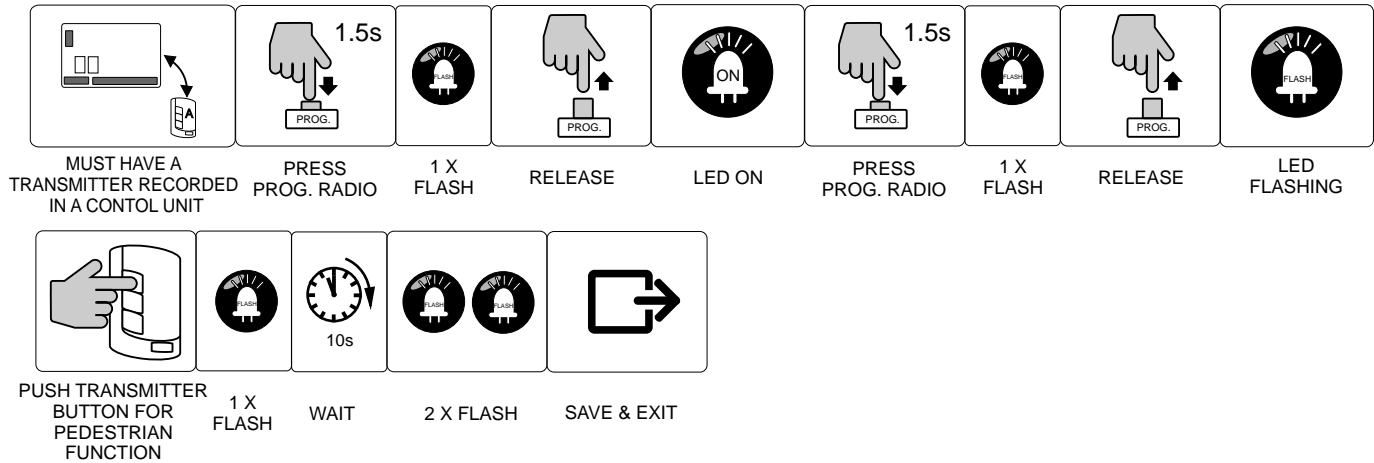
9.1 TRANSMITTER RADIO PROGRAMMING



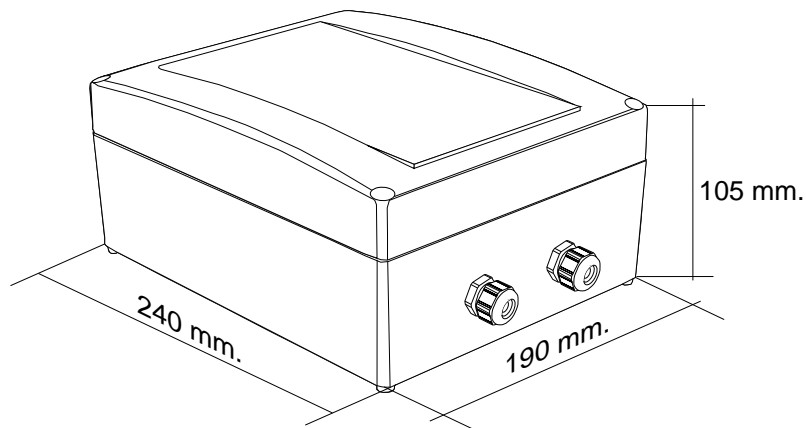
9.2 MEMORY RESET



10. TRANSMITTER PEDESTRIAN CHANNEL PROGRAMMATION



10. BOX HOUSING



TECHNICAL SPECIFICATIONS

Alimentation	220V AC +/- 10%
Motor Power	0,75 HP
Accessory alimentation output	12V/24V AC 250mA
Automatic closing time	5 seg a 2 min
Working time	Max. 2 min
Code Combinations	72.000 Billions of codes /4000 binary
Number of Codes	255 codes
Code Programming	Automatic learning
Function Selector	Transmitter memorized
Garage Light Time	3 s.
Garage Light Contact	10 A a 220V
Frequency	433,92 Mhz (868 Mhz)
Normative	Conforms to ETS 300-220/ETS 300-683
Sensibility	Better than -100dBm
Range	Max. 60 m
Antenna	Built in
Working Temperature	-20 to 85°C

WARNING!!

- Equipment installation and start-up, can only be executed by qualified personal.