CUADRO DE CONTROL PARA PUERTAS BATIENTES

Cuadro de maniobra monofásico con alimentación de 100-250V AC diseñado para puertas batientes (1 o 2 hojas) con motor de 100-250V AC.

Con nuestro receptor universal RX Multi integrado, este cuadro de maniobra permite programar diferentes tiempos de desfase de apertura y cierre, regulación de fuerza y programación de paro suave al final de las maniobras de apertura y cierre. Incluye indicadores luminosos en las entradas de control.

FUNCIONAMIENTO

- Las maniobras del automatismo se ejecutan mediante los pulsadores OPEN o ALTER y con los botones del mando. La maniobra termina por la finalización del tiempo de funcionamiento programado por el usuario.

- La activación de STOP provoca la inmediata detención de la maniobra, siendo necesaria una orden para la reanudación de la misma.

- En la maniobra de cierre, la activación del contacto de seguridad provoca la inversión de ésta, pasándose a la maniobra de apertura.

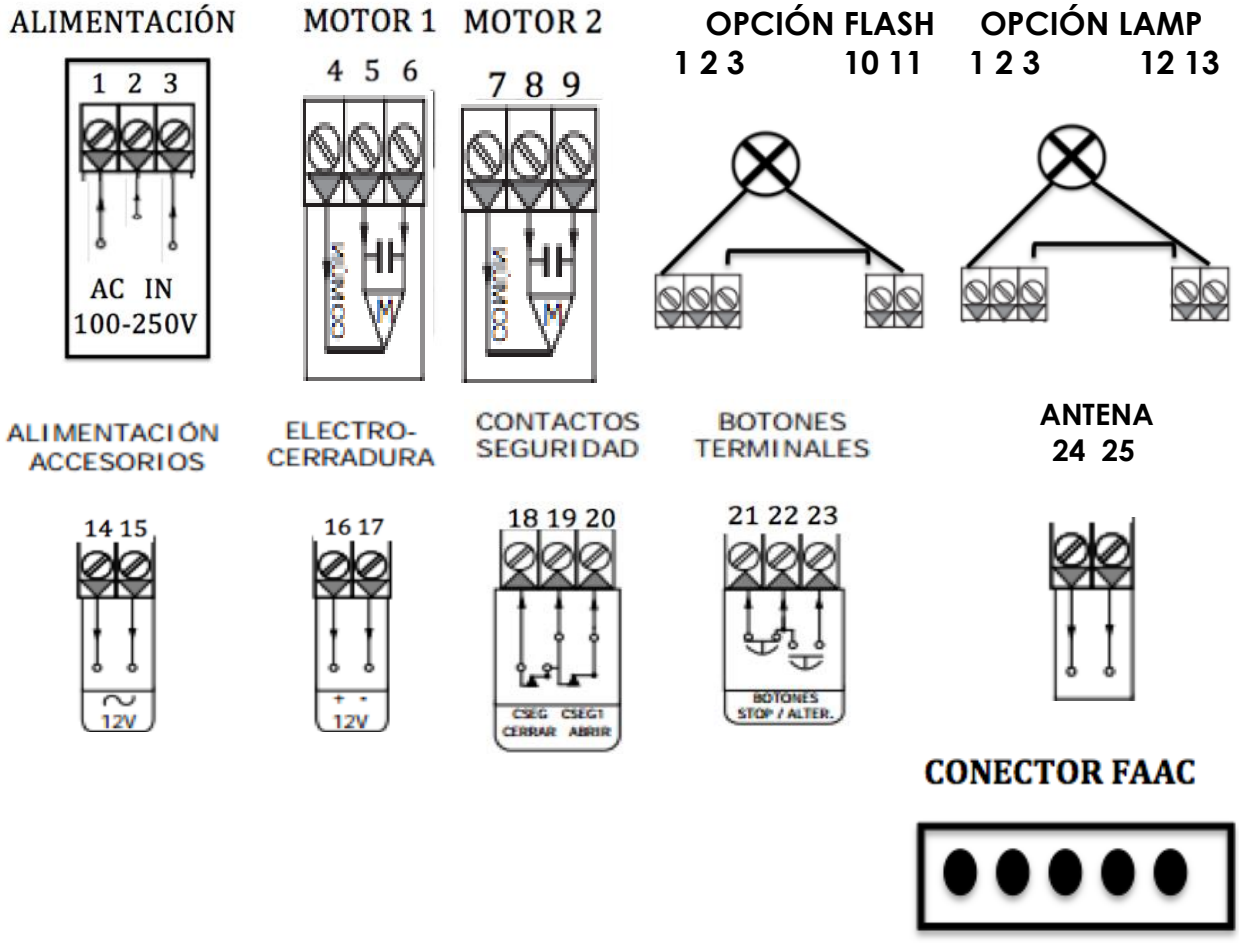
- La regulación de fuerza del motor (seleccionada por el usuario); se aplica 2 segundos después de haber iniciado la maniobra.

- El tiempo de Paro Suave (seleccionado en la programación de los tiempos de funcionamiento) es el tiempo que el motor funcionará de forma amortiguada al final de la maniobra. Se configura mediante POWER SLOW. Regula también la velocidad del motor.

CARACTERÍSTICAS TÉCNICAS

Alimentación	100-250V AC +/- 10%
Motor	0,75 HP
Salida alimentación accesorios	12V DC/AC 250mA
Tiempo espera cierre automático	5 segundos a 2 minutos
Tiempo de funcionamiento normal	Máximo 2 minutos
Combinaciones de códigos	72.000 billones de códigos
Número de códigos	255 códigos
Programación códigos	Autoaprendizaje
Selección de funciones	Se memoriza la función del código
Tiempo luz de garaje	3 min.
Contacto luz de garaje	10A a 220V
Frecuencia	433,92 MHz – 868 MHz
Sensibilidad	Mejor de -100dBm
Alcance	Máx. 60m
Antena	Incorporada
Temperatura trabajo	-20º a 85ºC

CONEXIONES



NOTA: AL CONECTAR ANTENA AEREA, HACERLO SIEMPRE SIN CORRIENTE.

NOTA:

Dispositivos de seguridad:

- Opción 1 (conectar entre 18 y 19): la puerta para y cierra.

- Opción 2 (conectar entre 19 y 20): la puerta para y abre.
- Opción 3 (conectar entre 21 y 22): la puerta para tanto en apertura como en cierre.

POTENCIOMETROS

AMPERIO-STOP (ROJO) DESHABILITADO

POTENCIA DEL MOTOR (AZUL)
Regula la potencia de los motores. Girar a la izquierda para disminuir y a la derecha para aumentar.

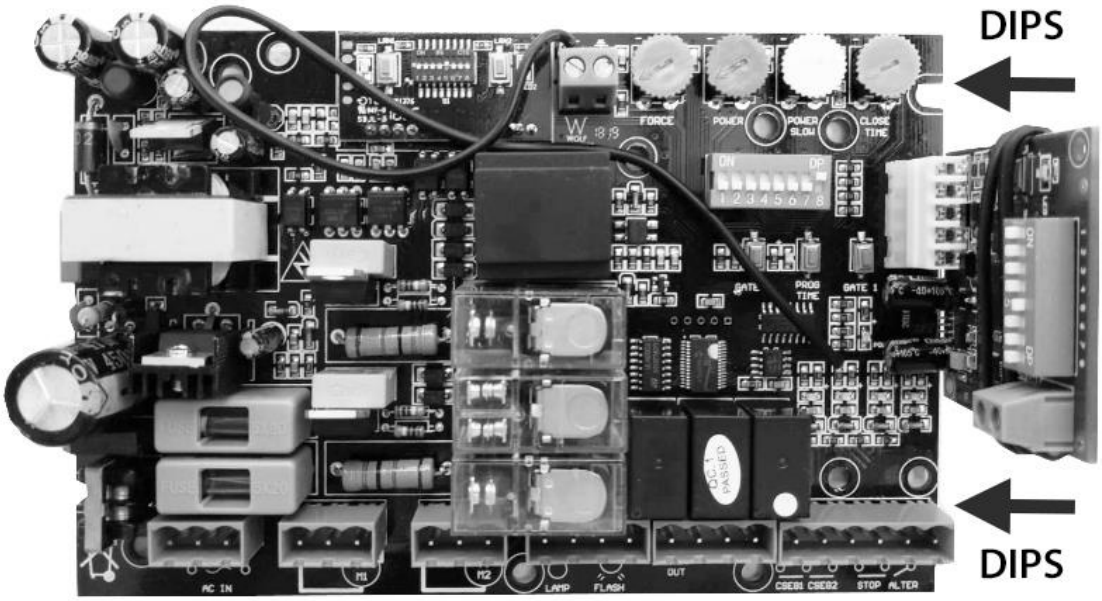
FUERZA PARO SUAVE (BLANCO)
Regulación de fuerza del paro suave. Solo con opción 7 ON. Girar a la izquierda para disminuir y a la derecha para aumentar.

TIEMPO DE CIERRE AUTOMÁTICO (VERDE)
Regula el tiempo de espera de cierre automático. Girar a la izquierda para disminuir y a la derecha para aumentar.

Mínimo 3 segundos.
Máximo 120 segundas.

CONEXIÓN DEL RECEPTOR

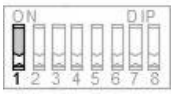
El receptor universal enchufable que le vendrá junto al cuadro deberá de conectarlo a las conexiones que vienen indicadas como "Conector FAAC" antes de realizar cualquier otro tipo de programación. Para ello conéctelo según se indica en la foto.



OPCIONES

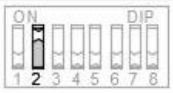
1 BAJADA AUTOMÁTICA

ON: Activada. La puerta cierra automáticamente cuando está abierta y ha transcurrido el tiempo programado.



OFF: Desactivada. No hay cierre automático.

2 INHIBICIÓN PARO AL ABRIR



ON: No se puede detener la puerta mientras abre con el EMISOR, con el pulsador GATE 1 o ALTER (15-16) de la placa. Mientras cierra, al activar el emisor, pulsador o ALTER la puerta para.

OFF: Sí se puede detener la puerta mientras abre con el EMISOR, con el pulsador GATE 1 o ALTER (15-16) de la placa.

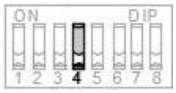
3 PROGRAMACIÓN VÍA RADIO

ON: Desactivada.

OFF: Activada. El pulsador START(1-2) y el emisor paran la puerta durante la apertura y la invierten en el cierre.

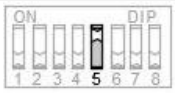
4 GOLPE DE INVERSIÓN

ON: Antes de abrir la puerta se activa la electro cerradura y se cierra durante unos instantes. Al final de la maniobra de cierre tiempo de apriete 2 seg por seguridadv



OFF: Apertura normal con electro cerradura.

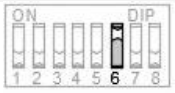
5 CONTACTO SEGURIDAD



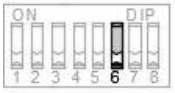
ON: La entrada CSEG1 detiene la maniobra de apertura e invierte 2 segundos. En el cierre para e invierte la maniobra.

OFF: La entrada CSEG1 detiene la maniobra de apertura. Al desactivarse CSEG1 la puerta vuelve a abrir.

6 LUZ DESTELLO

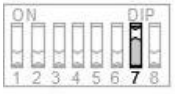


ON: Destello.



OFF: Fija.

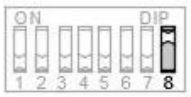
7 PARO SUAVE



ON: Paro suave activado. Al final de las maniobras de apertura y cierre se realiza el paro suave.

OFF: Paro suave desactivado.

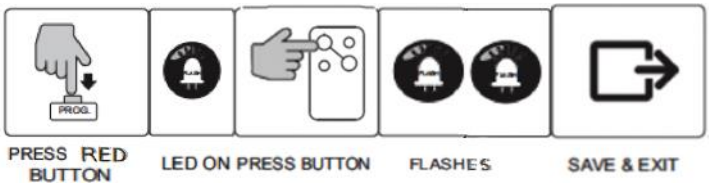
OPCION 8 IMPULSO CADA HORA



ON Si la puerta está en reposo o abierta. Realiza un impulso durante 6 seg cada hora.

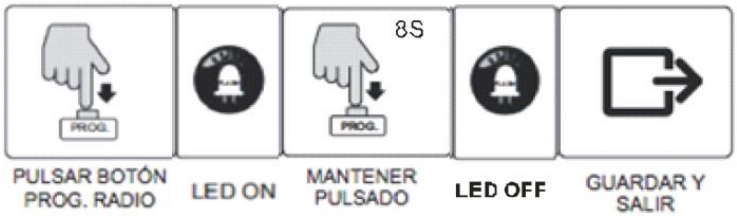
OFF Funcionamiento normal.

PROGRAMAR UN MANDO



****EL BOTÓN ROJO ESTÁ UBICADO EN LA TARJETA RECEPTORA(PERPENDICULAR A LA PLACA), AL IGUAL QUE EL LED.**

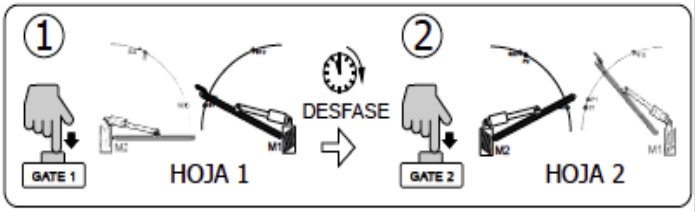
BORRADO DE MEMORIA



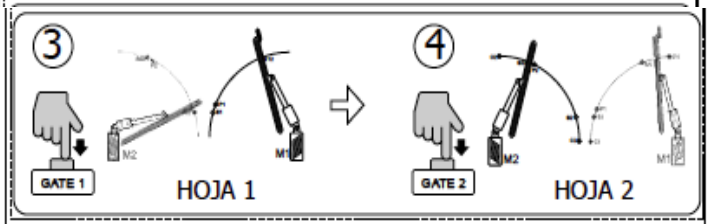
PROGRAMACIÓN DIGITAL TIEMPO DE MANIOBRA

PROGRAMACIÓN APERTURA

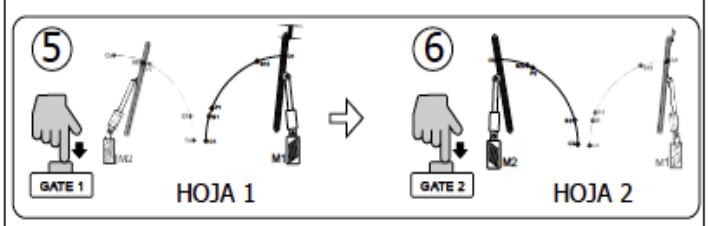
- PUERTAS CERRADAS
- INICIAR PROGRAMACIÓN CON PULSADOR "PROG. TIME" (LED ON)



- PUERTAS ABRIENDO...
- INICIAR PARO SUAVE (SOLO CON OPCIÓN 7 ON)



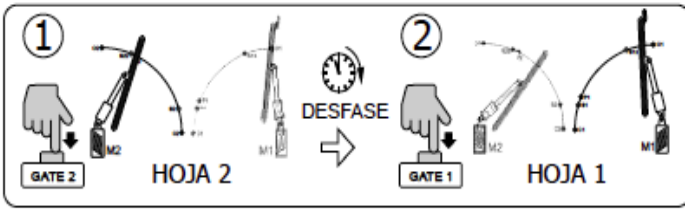
- DETENER LAS PUERTAS MEDIANTE LOS PULSADORES GATE 1 Y GATE 2



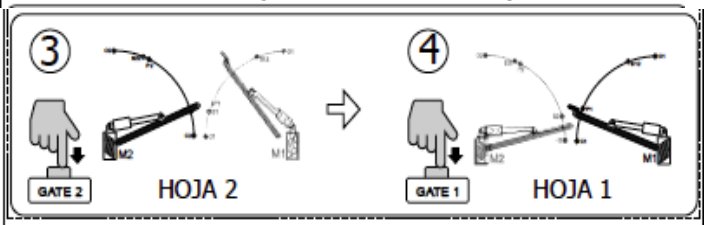
- PUERTAS ABIERTAS
- SI BAJADA AUTOMÁTICA EN ON, INICIO TIEMPO ESPERA.
- SEGUIR PROGRAMACIÓN CIERRE

PROGRAMACIÓN CIERRE

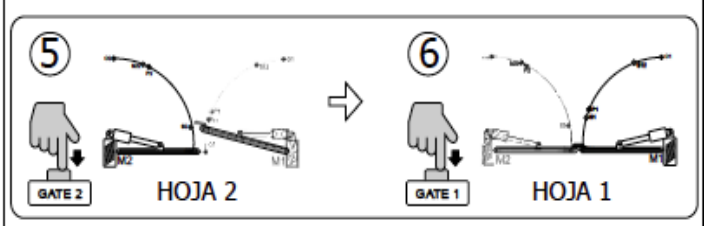
- PUERTAS ABIERTAS
- INICIAR PROGRAMACIÓN CIERRE



- PUERTAS CERRANDO...
- INICIAR PARO SUAVE (SOLO CON OPCIÓN 7 ON)



- DETENER LAS PUERTAS MEDIANTE LOS PULSADORES GATE 1 Y GATE 2



- PUERTAS CERRADAS
- GUARDA Y SALE DE PROGRAMACIÓN (LED OFF)

PROGRAMACION DIGITAL DE TIEMPO DE MANIOBRA CON EL MANDO

1.-grabar dos botones del mando en el receptor **"RX MULTI"** de la placa. El primer botón se grabara en el **"CANAL 1"** y controlara la puerta maestra. Y el segundo botón se grabara en el **"CANAL 2"** y controlara la puerta esclava.

2.- una vez hallamos realizado el paso 1, pulsar en la placa el botón "PROG TIME", el led se quedara fijo(la programación está abierta).

3.- Pulsar "**BOTÓN 1"** del mando la puerta maestra comenzara a abrirse. Esperar un tiempo de desfase y pulsar el **"BOTÓN 2".**

4.-Pulsar de nuevo el **"BOTÓN 1"** para iniciar el paro suave en puerta maestra, y pulsar **"BOTÓN 2"** para iniciar paro suave es puerta esclava. (esta función solo funciona si se activa la opción **"PARO SUAVE"** (opción 7).

5.- Pulsar el **"BOTÓN 1"** de nuevo para finalizar la maniobra de apertura en puerta maestra y pulsar **"BOTÓN 2"** para finalizar la maniobra de apertura en puerta esclava.

6.- realizaremos la maniobra de cierre pulsando "**BOTÓN 2"** del mando para que la puerta esclava comience a cerrarse. Esperar un tiempo de desfase y pulsar el **"BOTÓN 1".**

7.- Pulsar de nuevo el **"BOTÓN 2"** para iniciar el paro suave en puerta esclava, y pulsar **"BOTÓN 1"** para iniciar paro suave es puerta maestra. (esta función solo funciona si se activa la opción **"PARO SUAVE"** (opción 7).

8.- Pulsar el **"BOTÓN 2"** de nuevo para finalizar la maniobra de cierre en puerta esclava y pulsar **"BOTÓN 1"** para finalizar la maniobra de cierre en puerta maestra.

En caso de utilizar un motor, realizar la programación sólo con el pulsador Gate 1 o con el BOTÓN 1 del mando.

OPCION PEATONAL

Esta opción se realizara grabando en el **canal 2** del **RX MULTI** un botón diferente del seleccionado para abrir la puerta. Cada vez que pulsemos este botón abriremos o cerraremos solo la puerta maestra. Si ambas puertas están abiertas esta opción no funciona.

La tabla de selección de marca del receptor se encuentra al final del manual.

SWING DOORS CONTROL BOARD

Swing doors control board with power supply at 100-250V AC with RX Multi universal receiver integrated, designed to control 1 or 2 electromechanical motors. Programmation allows different offset times for opening and closing, force regulation and soft stop at the end of opening and closing maneuvers. It includes LED indicators for control inputs.

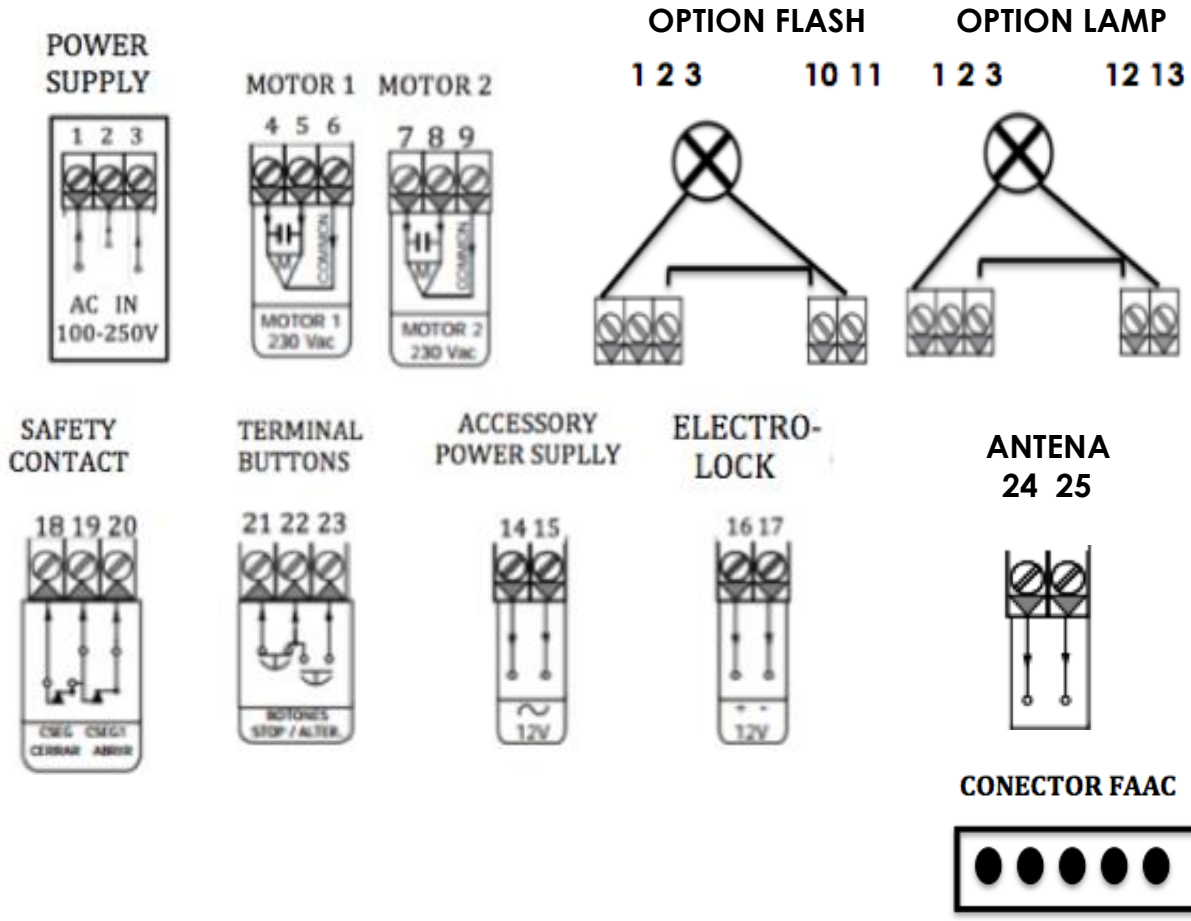
This control unit is designed for 1 or 2 wing doors without limit switch.

HOW IT WORKS

- The control unit maneuvers are executed with OPEN or ALTER buttons and with remote control buttons. The maneuvers end when programmed times finish.
- STOP activation causes the sudden stop of the maneuver, requiring an order for restarting it again.
- During closing maneuver, the activation of the security device provoques the invertion of the door's direction.
- Motor power is adjusted by the user and it is applied to the maneuver two seconds after it started.
- Soft stop time (selected in the working time programmation) is the period when the door automatically slows down before reaching the end of the maneuver. It is programmed by using POWER SLOW button. It also regulates the pace of the motor.

TECHNICAL SPECIFICATIONS	
Power supply	100-250V AC +/- 10%
Motor power	0,75 HP
Accessories power supply output	12V AC/DC 250 mA
Automatic closing time	5 sec. to 2 min.
Working time	Maximum 2 min.
Code combinations	72.000 billions of codes
Number of codes	255 codes
Code programming	Automatic learning
Function selector	Transmitter memorized
Garage light time	3 min.
Garage light contact	10 A to 220V
Frequency	433,92 MHz – 868 MHz
Sensibility	Better than -100dBm
Range	Maximum 60m
Antenna	Built in
Working temperature	-20º to 85ºC

CONNECTIONS



NOTE: WHEN CONNECTING AERIAL ANTENNA, MAKE IT ALWAYS WITHOUT CURRENT.
ATTENTION:
Safety devices:

- Option 1 (connect 11 and 14): door stops and closes.
- Option 2 (connect 12 and 14): door stops and opens.
- Option 3 (connect 13 and 14): door stops.

REGULATIONS

AMPERE-STOP (RED) DISABLED

POWER (BLUE)
Engine power regulation. Rotate to the LEFT to decrease it and rotate to the RIGHT to increase it.

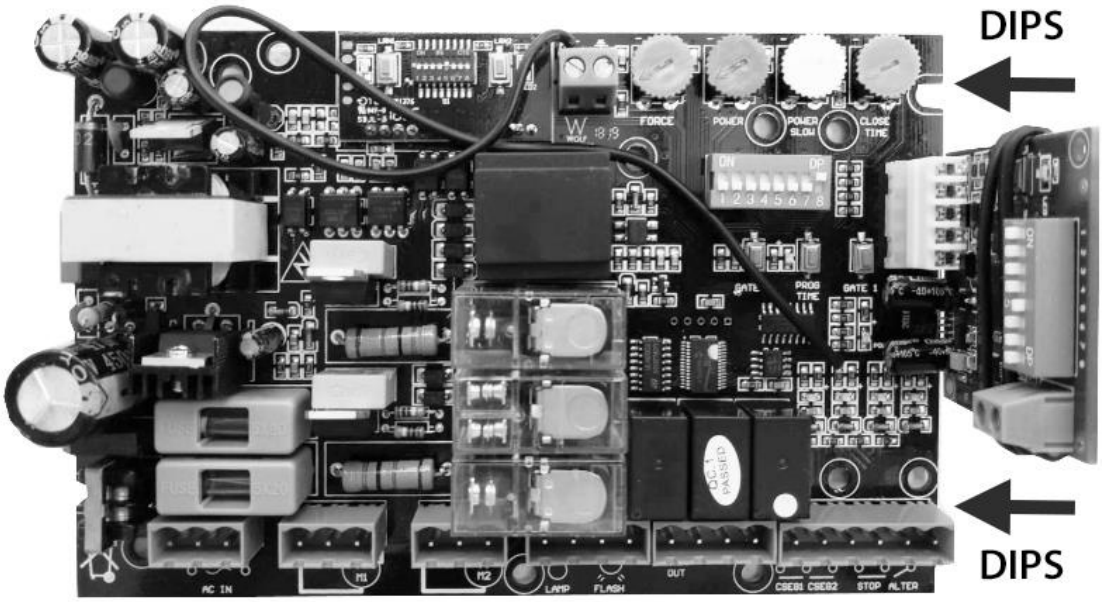
SOT STOP (WHITE)
Soft stop motor regulation. Only with Option 7 ON. Rotate to the LEFT to decrease it and rotate to the RIGHT to inc rease it. Available for opening and closing.

AUTOMATIC CLOSING TIME (GREEN)
Regulates the stand-by time before the automatic closure. Turn to the LEFT to decrease it and to the RIGHT to increase it.

Minimum 3 seconds.
Maximum 120 seconds.

RECEIVER'S CONNECTION

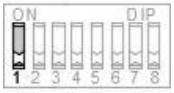
The plug-in universal receiver you will find along with the board must be connected to the connections mentioned as "Conector FAAC" prior any kind of programming. To do so, connect the receiver to the board as shown in the picture below.



OPTIONS

1 AUTOMATIC CLOSURE

ON: Activated. Door closes automatically.



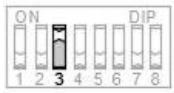
OFF: Deactivated. Door does not close automatically.

2 DEACTIVATION STOP OPENING

ON: Door can not stop while opening. . While closing, when activating the transmitter, pushbutton or ALTER the door stops.

OFF: Doors stop while opening by pressing the TRANSMITTER, GATE1 or ALTER (15- 16) on board.

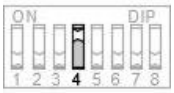
3 RADIO PROGRAMMING



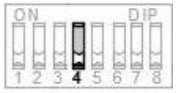
ON: Not allowed.

OFF: Allowed.

4 INVERSION SHUT

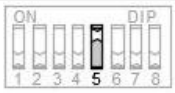


ON: Before opening, the electro lock and closure relay are activated. At the end of the closing maneuver tightening time 2 sec for safety.



OFF: Normal opening with electro lock.

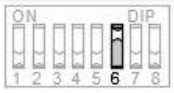
5 OPEN SECURITY CONTACT (CSEG1)



ON: CSEG input stops and inverts 2 seconds the opening maneuver. On closing, stops and inverts the maneuver.

OFF: CSEG1 input stops the opening maneuver. When CSEG1 is deactivated, the door opens again.

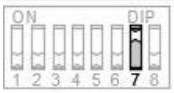
6 FLASHING LIGHT



ON: Flashing.

OFF: Fixed.

7 SOFT STOP

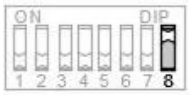


ON: Soft stop activated. The door makes a soft stop at the end of the opening and closing maneuver(Requires option 8 ON, option 7 generates an impulse per hour.)

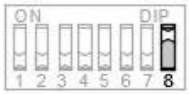
OFF: Soft stop deactivated.

ATTENTION

OPTION 8– Hourly impulse

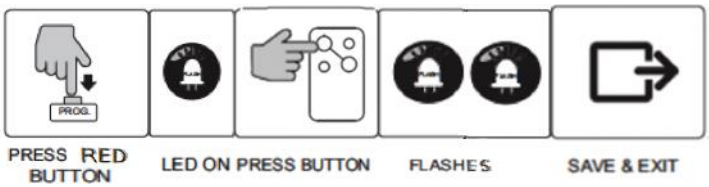


ON If the door is at rest or open. Perform an impulse for 6 seg every hour.



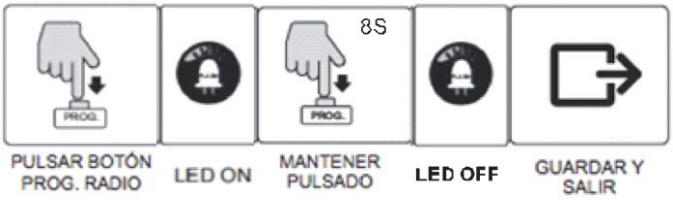
OFF Normal working conditions.

PROGRAMMING A TRANSMITTER

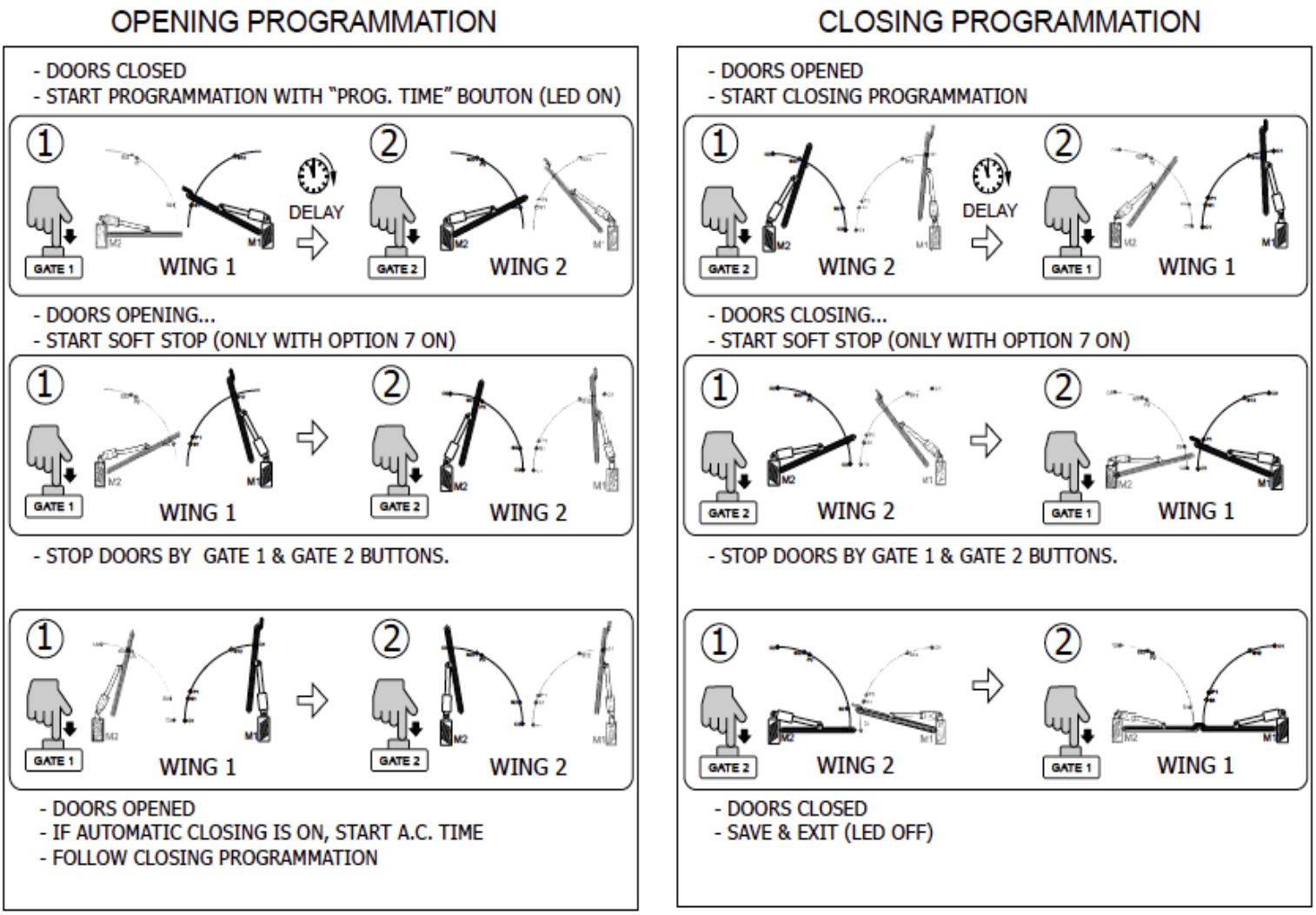


**** THE RED BUTTON IS LOCATED ON THE RECEIVER'S CARD (PERPENDICULAR TO THE BOARD) AND THE LED THAT FLASHES ASWELL.**

MEMORY RESET



DIGITAL TIME PROGRAMMING AND AUTOMATIC CLOSURE



1. - Record two buttons of the remote on the **"RX MULTI"** receiver on the control board. The first button will be recorded in **"CHANNEL 1"** and will control the master gate. And the second button will be recorded in **"CHANNEL 2"** and will control the slave gate.

2. - Once we have made step 1, press the **"PROG TIME"** button on the control board, the led will remain fixed (programming is open).

3. - Press **"BUTTON 1"** of the remote the master door will begin to open. Wait for a time and press **"BUTTON 2",** the slave door will begin to open.

4. -Press again the **"BUTTON 1"** to start the soft stop at the master door, and press **"BUTTON 2"** to start the soft stop is slave door. (This function only works if the **"SOFT STOP"** option is activated (option 7).

5. - Press **"BUTTON 1"** again to finish the maneuver of opening in the master door and press **"BUTTON 2"** to finish the maneuver of opening in the slave door.

6. - We will perform the closing maneuver by pressing **"BUTTON 2"** of the remote so that the slave door begins to close. Wait for a time and press **"BUTTON 1",** the master door will begin to close

7. - Press again the **"BUTTON 2"** to start the soft stop in slave door, and press **"BUTTON 2"** to start soft stop is master door. (This function only works if the **"SOFT STOP"** option is activated (option 7).

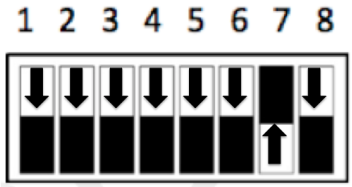
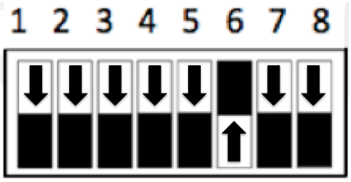
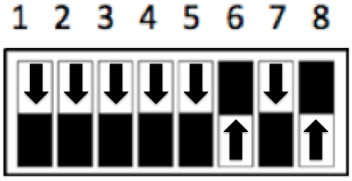
8. - Press the **"BUTTON 2"** again to finish the closing maneuver in the slave door and press "BUTTON 1" to finish the master door closing maneuver.

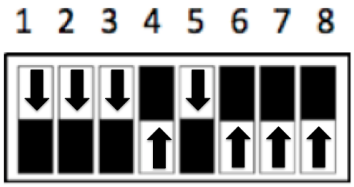
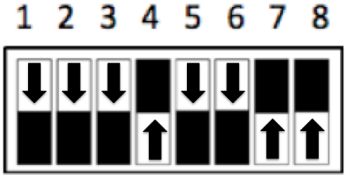
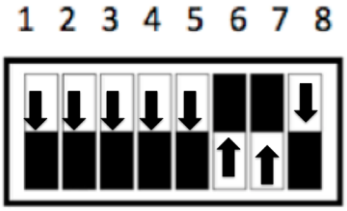
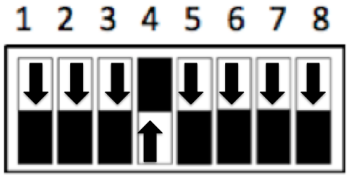
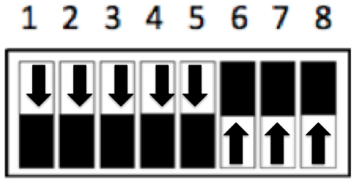
If you use only one motor, make the programming process with gate 1 button.

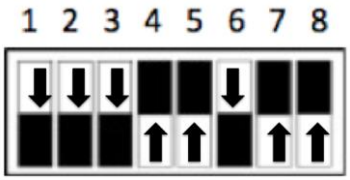
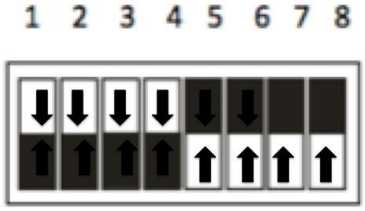
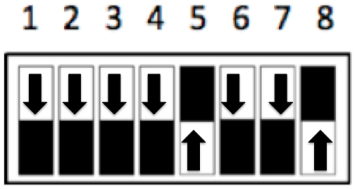
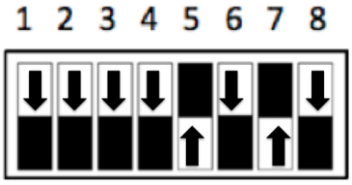
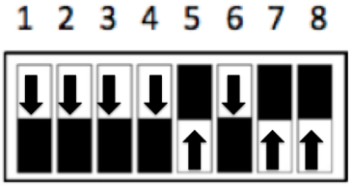
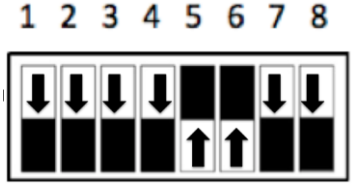
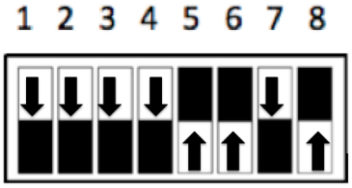
PEDESTRIAN OPTION

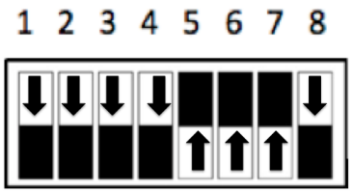
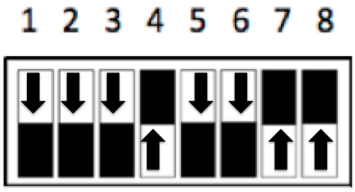
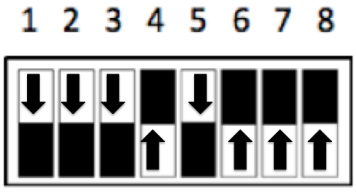
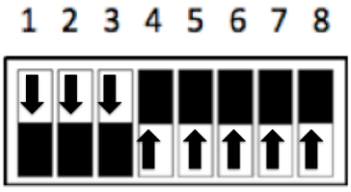
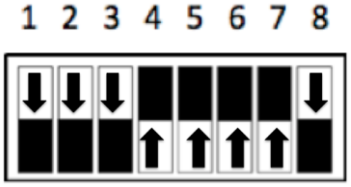
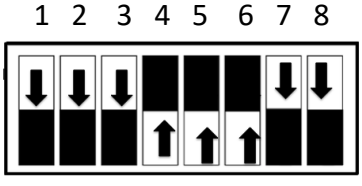
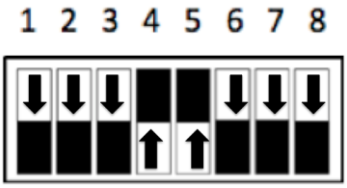
This option will be done by recording on the channel 2 of the RX MULTI a button different from the one selected to open the door. Each time we press this button we will open or close only the master door. If both doors are open, this option does not work.

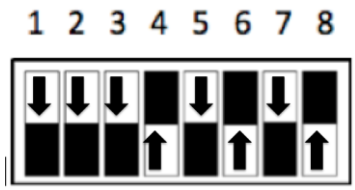
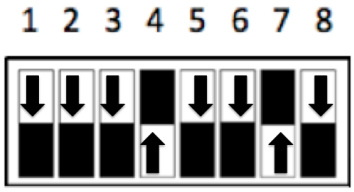
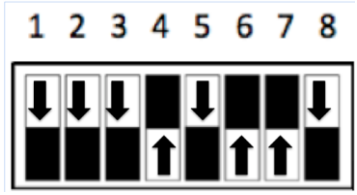
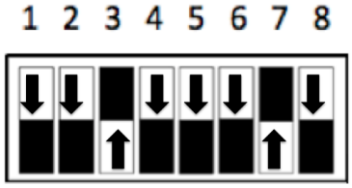
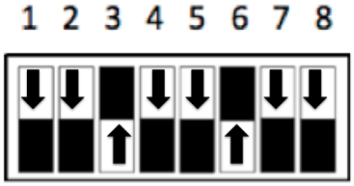
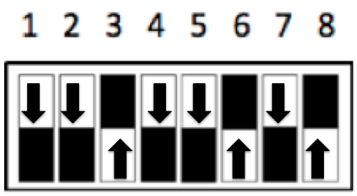
Tabla 1: Selección de Marcas **Table 1: Brand Selection**

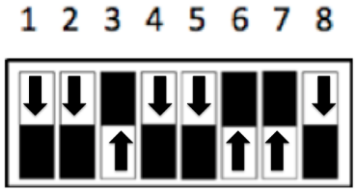
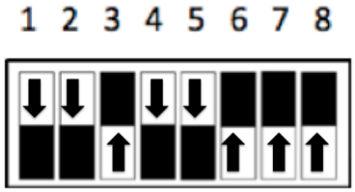
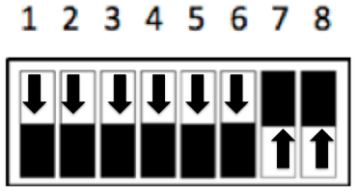
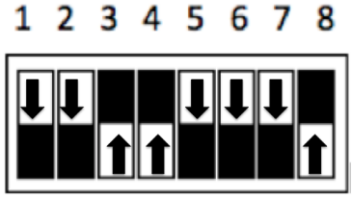
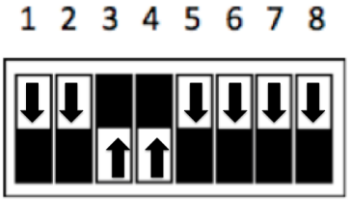
ITEM	SELECTION DIP	BRAND/MARCA	FREQ	ORIGINAL
1		**NICE FLORS**	433.92 MHz	
2		**MARANTEC**	433.92 MHz	
3		**Universal Fixed Code** **Código Fijo**	433.92 MHz	Fixed Code
4		**FAAC SLH Rolling Code**	433.92 MHz	

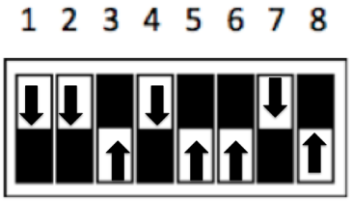
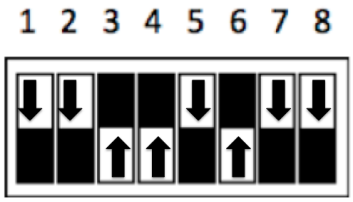
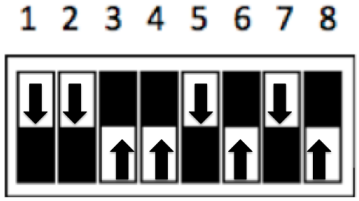
5		**Liftmaster**	315 MHz	
6		**Liftmaster**	390 MHz	
7		**Liftmaster**	433.92 MHz	
8		**Universal Rolling Open Code**	433.92 MHz	Open Code
9		**Universal Rolling Open Code**	315 MHz	Open Code
10		**Universal Rolling Open Code**	318 MHz	Open Code

11		**Universal Rolling Code**	868 MHz FSK	Rolling Code
12		**Universal Rolling Code**	868.3 MHz ASK	Rolling Code
13		**Universal Fixed Code** **Código Fijo**	300MHz	Fixed Code
14		**Universal Fixed Code** **Código Fijo**	310 MHz	Fixed Code
15		**Universal Fixed Code** **Código Fijo**	315 MHz	Fixed Code
16		**Universal Fixed Code** **Código Fijo**	318 MHz	Fixed Code
17		**Universal Fixed Código Fijo**	330 MHz	Fixed Code

18		**Universal Fixed Code** **Código Fijo**	390 MHz	Fixed Code
19		**Liftmaster Rolling Code Billioncode**	390 MHz	
20		**Liftmaster Rolling Code**	315 MHz	
21		**Hormann Marantec Berner**	868 MHz	
22		**FAAC SLH**	868 MHz	
23		**Prastel**	433.92 MHz	
24		**Sommer**	868 MHz	

25		**Sommer**	433.34 MHz	
26		**Liftmaster Rolling Code**	868 MHz	
27		**Clemsa Mastercode**	433.92 MHz	
28		**DITEC**	315 MHz	
29		**DITEC**	390 MHz	
30		**DITEC**	433.92 MHz	
31		**V2**	315 MHz	

32		**V2**	390 MHz	
33		**V2**	433.92 MHz	
34		**MARANTEC**	868.80 MHz	
35		**JCM TECH JCM**	868.3 MHz	
36		**JCM GO**	868.3 MHz	
37		**Aprimatic** **Encrypted Code**	433.92 MHz	

38		**Aprimatic** **Encrypted Code**	868.3 MHz	
39		**P.N.C.**	868.3 MHz	
40		**MAP**	868.3 MHz	
41		**FORSA**	868.3 MHz	
42		**ALMA**	868.3 MHz	