# ROLLER SHUTTERS, DOORS AND AWNINGS CONTROL BOARD

Control single-phase box for door, roller shutter and awnings, designed for tubular motor. The power supply is 220 V AC. With receiver multibrand and multifrequency RX-Multi integrated, up/down switch input (configurable as dead man, direct order or sequencial switch), limit switches and sequencial switch. Photobeam security signal input available and automatic programmable closure.
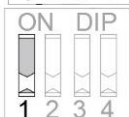
CONNECTIONS
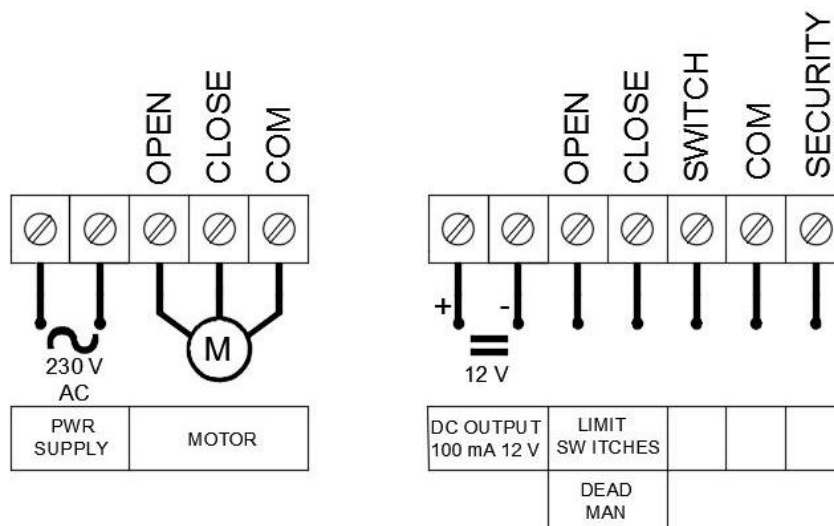
SETTING DIP CONFIGURATION
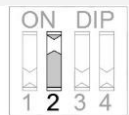
1 LIMIT SWITCHES /DEAD MAN
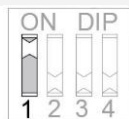
ON Dead man (for terminal Common, Open and Close).

OFF Limit switches (for terminal Common, Open and Close).

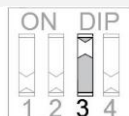### 2 DEAD MAN IN OPENING MANEUVER (DIP 1 ON)

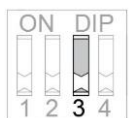**ON** To start the opening maneuver, press the transmitter or the switch. If the button is not held, the maneuver stops.

OFF Opening is set as direct order operation.

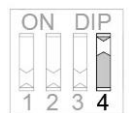### 3 DEAD MAN IN CLOSING MANEUVER (DIP1 ON)

ON To start the closing maneuver, press the transmitter or the PROG button. If the button is not held, the maneuver stops.
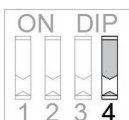
OFF Closing is set as direct order operation.

4 PHOTOBEAM

ON Photocell is disabled (It is not neccessary to bridge the security input). Automatic closure is not available at this position.

OFF Photobeam is enabled. This configuration allows the programmation of optional automatic closure.

PROGRAMMATION

PROGRAMATION MENU

OPTION 1 – REMOTE MEMORIZATION MODE

Press PROG until 1 beep sounds that means remote memorization mode is activated. Now you can learn the remote.

OPTION 2 - MANEUVERS TIME PROGRAMMING

Press PROG until 2 beeps sound that means it is on maneuvers time programming.

6

OPTION 3 - CHANNEL ERASE	
Press PROG until 3 beeps sound that means it is on delete of learnt channel.	
OPTION 4 (DIP 1 ON)	**OPTION 4 (DIP 1 OFF)**
UP-DOWN / SEQUENTIAL SWITCH	**STEP BY STEP/INVERSION TO CLOSURE**
Press PROG until 4 beeps sound that means up/down option. When the button is realised, menu changes to alter switch and viceversa. One long beep means alter switch and a short beep means up/down selection.	Press PROG until 4 beeps sound that means it is selected inversion to closure option menu. When the button is realised, menu changes to inversion to closure and viceversa. One long beep means inversion to closure selection and a short beep means step by ste
OPTION 5 –ERASE MEMORY	
Press PROG until 5 beeps sound that selects channels and remotes delete mode. Release to delete.	
*Note: once the memory have been deleted, you have to repeat again the option 1 and 2 obligatorily for correct working.	

REMOTE LEARNING

Select option 1 from the MENU (Press PROG until 1 beep sounds that means it is on remote memorization mode).

Press the button on the remote that you want to use, 3 short beeps will confirm it is memorized correctly.

Control board ends the memorization mode by pressing again button PROG, a remote previously learnt or after 4 seconds, 3 beeps indicate when it is out.

MANEUVERS TIME PROGRAMMING

Before programming, check limit switches in case they are installed. The door should be closed.

The orders are given by pressing the remote previously installed or the PROG button.

1. Select Option 2 from the MENU (Press PROG until 2 beeps sound this means maneuver programming starts).

2. The opening maneuver starts. If limit switches have been installed, maneuver ends by the opening limit switch contact, if not, the order must be given at the end of the maneuver.

When door is opened, press PROG button for end open phase + press PROG for starting closure.

3. Control board awaits for the starting of closure maneuver. If it is activated within 5 seconds, manual mode will be activated; if it is pressed after that 5 seconds, automatic closing mode will be set, the time spent from the end of opening to closing maneuver starts, it is the pause time programmed.

When door is closed, pres PROG button for end of programming.

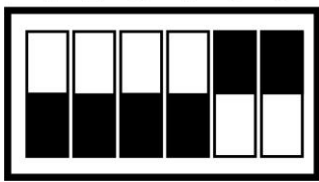Closed door PROG start opening , door open PROG, PROG for closing, when closed PROG.

*In case photobeam is DISABLED (DIP 4 ON): The automatic closure is not available at programming maneuver option from the menu (for security issues).

*In case photobeam is ENABLED (DIP 4 ON) but not installed by the user: No closure will be made, so the user can notice the configuration is mistaken. And the door can not work.
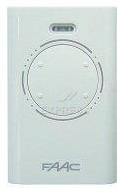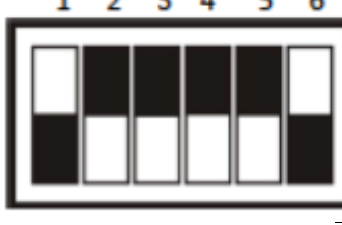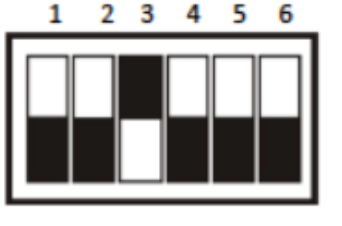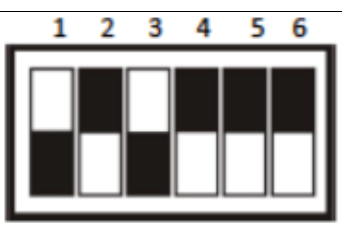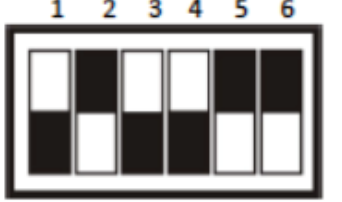
4. If limit switches have been installed door stops by closing limit switch contact. If not, an order is required. A beep indicates the end of closing maneuver and maneuver time programming finishes.

Repite the procedure if the maneuvers are not programmed correctly.
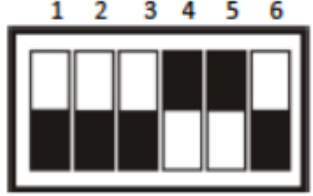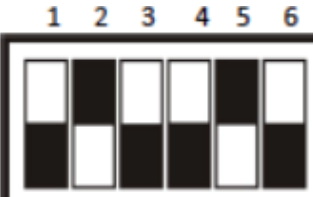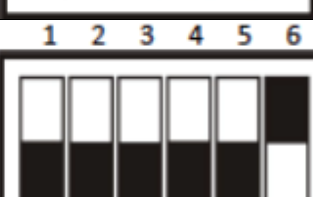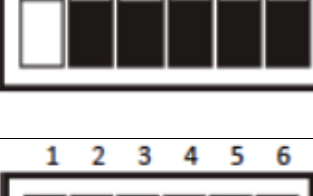
TECHNICAL CHARACTERISTICS	
Power Supply	220V AC +/- 10%
Motor power	736 W / 1 CV
Max. Functioning time	2 minutes
Max. Closing time	2 minutes
Code Combinations	72.000 Billon codes
Number of Codes	31 Codes
Code Programming	Self - taught
Frequency (depending on verison)	433,92 or 868,35MHz
Homologations	Conforms to ETS 300-220/ETS300-683
Sensitivity	Better than -100dBm
Distance	Max. 60 metres
Aerial	Incorporated
Temperature	-20 to 85ºC

ITEM	DIP POSITION	COMPATIBLE BRAND	FREQUENCY	COMMENTS
1		ABC remote	433.92 MHz	
2		Clemsa Mastercode	433.92 MHz	
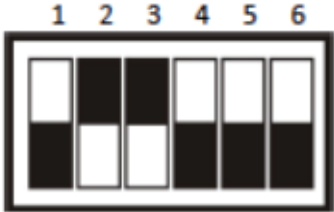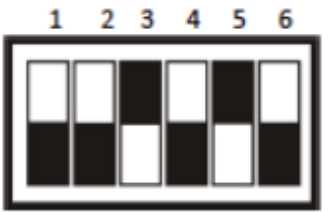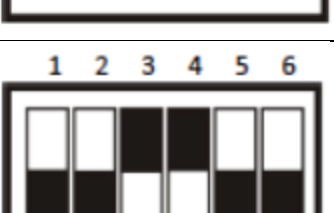
3		**DOOYA**	433.92 MHz	
4		**FAAC SLH Rolling Code**	433.92 MHz	
5		**FAAC SLH**	868.3 MHz	
6		**Hormann Marantec Berner**	868.3 MHz	
7		**Jolly Motors**	433.92 MHz	
8		**Liftmaster**	315 MHz	
9		**Liftmaster**	390 MHz	
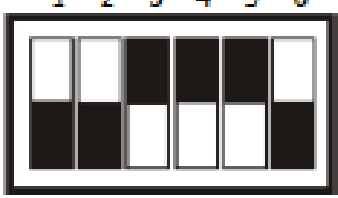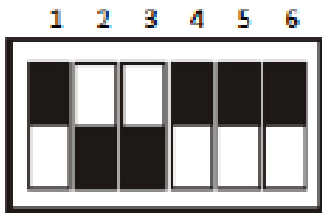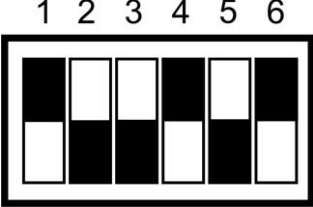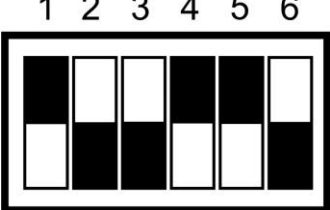
#	DIP switches	Brand	Frequency	Remote
10	1 2 3 4 5 6	**Liftmaster Rolling Code BillionCode**	390 MHz	
11	1 2 3 4 5 6	**Liftmaster**	433.92 MHz	
12	1 2 3 4 5 6	**Liftmaster Rolling Code**	868.3 MHz	
13	1 2 3 4 5 6	**Marantec**	433.92 MHz	
14	1 2 3 4 5 6	**NICE FLORS**	433.92 MHz	
15	1 2 3 4 5 6	**Prastel**	433.92 MHz	
16	1 2 3 4 5 6	**Somfy**	433.42 MHz	
17	1 2 3 4 5 6	**Sommer**	433.4 MHz	
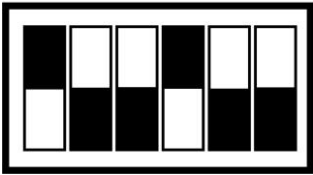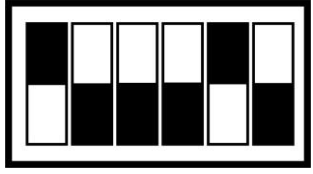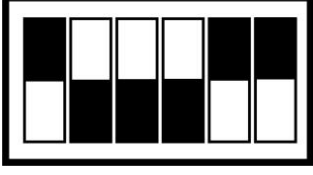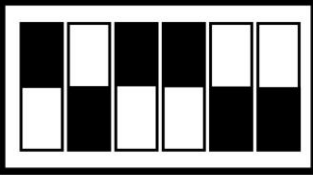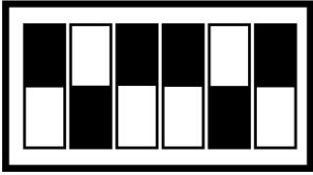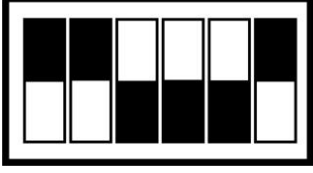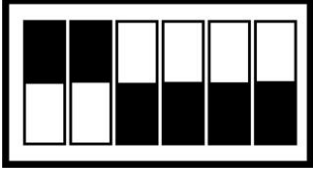
#	DIP Switch (1 2 3 4 5 6)	Name	Frequency	Code Type
18	1↓ 2↑ 3↑ 4↓ 5↓ 6↓	**Sommer**	868.81 MHz	
19	1↓ 2↓ 3↓ 4↑ 5↓ 6↓	**Universal Fixed Code** / **Código Fijo**	433.92 MHz	Fixed Code
20	1↓ 2↓ 3↑ 4↓ 5↓ 6↓	**Universal Rolling Code** / **Rolling Code**	433.92 MHz	Rolling Code
21	1↓ 2↓ 3↑ 4↑ 5↑ 6↑	**Universal Rolling Code**	868.3 MHz	Rolling Code
22	1↓ 2↓ 3↑ 4↓ 5↓ 6↑	**Universal Fixed Code** / **Código Fijo**	300 MHz	Fixed Code
23	1↓ 2↓ 3↑ 4↓ 5↑ 6↓	**Universal Fixed Code** / **Código Fijo**	310 MHz	Fixed Code
24	1↓ 2↓ 3↑ 4↓ 5↑ 6↑	**Universal Fixed Code**	315 MHz	Fixed Code
25	1↓ 2↓ 3↑ 4↑ 5↓ 6↓	**Universal Fixed Code**	318 MHz	Fixed Code
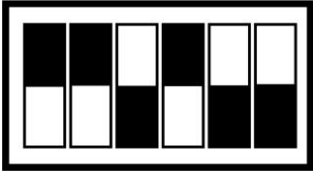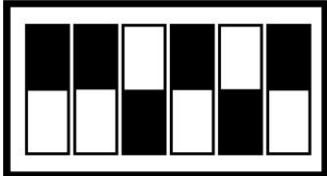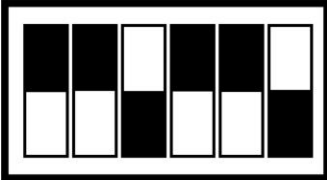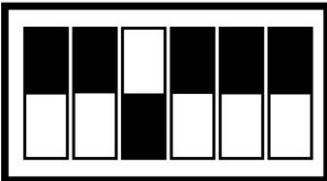
26		**Universal Fixed Code**	330 MHz	Fixed Code
27		**Universal Fixed Code**	390 MHz	Fixed Code
28		**Universal Roling Code Open Code**	315 MHz	Rolling Code
29		**Universal Rolling Open Code**	318 MHz	Rolling Code
30		**V2**	433.92 MHz	
31		**V2**	315 MHz	
32		**V2**	390 MHz	

33	1 2 3 4 5 6	**DITEC**	433.92 MHz	
34	1 2 3 4 5 6	**DITEC**	315 MHz	
35	1 2 3 4 5 6	**DITEC**	390 MHz	
36	1 2 3 4 5 6	**Aprimatic**	433.92 MHz	
37	1 2 3 4 5 6	**Aprimatic**	868.3 MHz FSK	
38	1 2 3 4 5 6	**JCM TECH**	868.3 MHz	
39	1 2 3 4 5 6	**JCM GO**	868.3 MHz	

40	1 2 3 4 5 6	P.N.C.	868.3 MHz	
41	1 2 3 4 5 6	MAP	868.3 MHz	
42	1 2 3 4 5 6	Forsa	868.3 MHz	
43	1 2 3 4 5 6	Alma	868.3 MHz	