

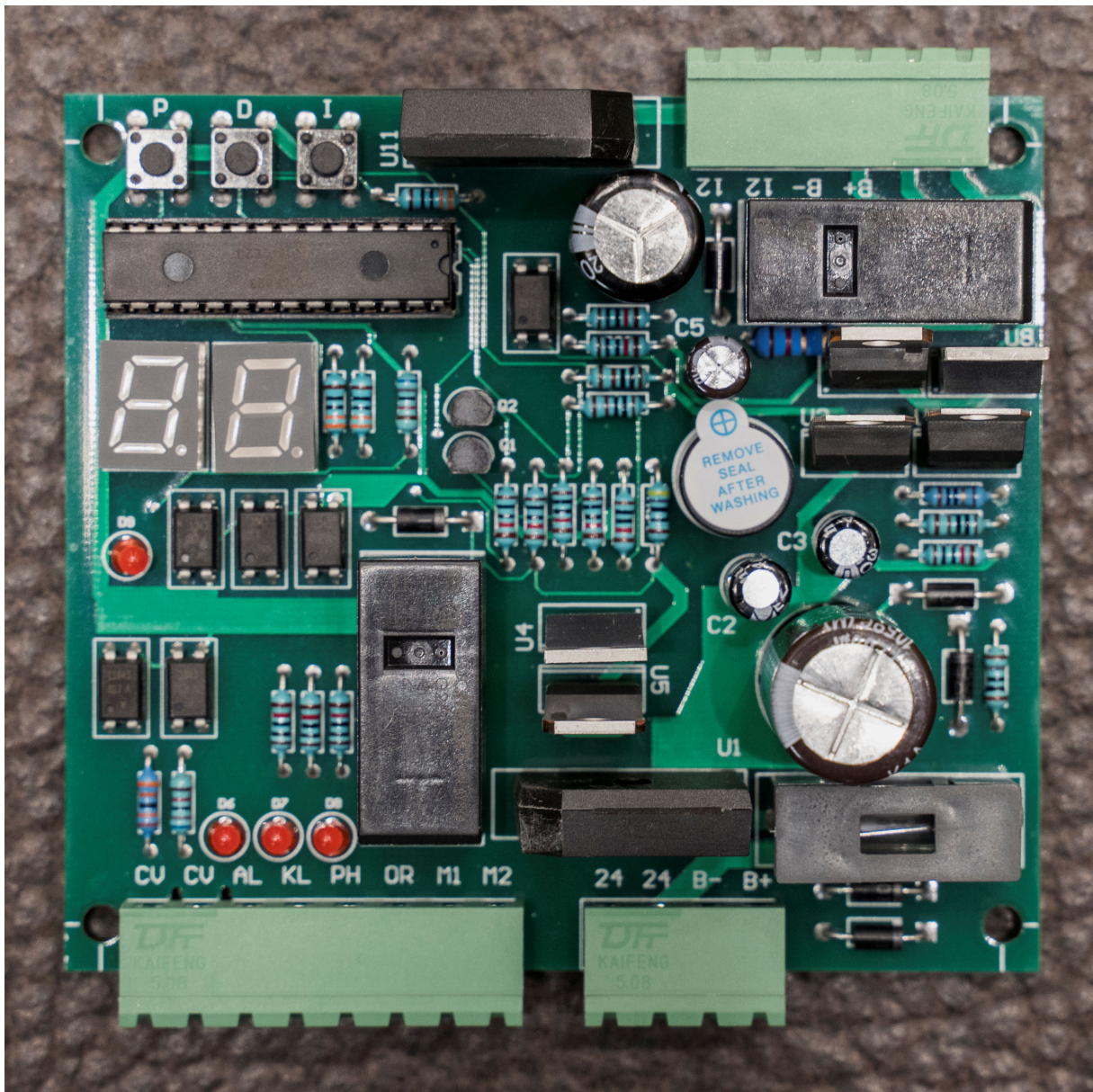
Instructions Manual for Door Controller

Square and align the cabin. Place and install the bottom guide rail on the floor of the cabin. On each fixation of the guide rail place a washer, then a bearing and finally place a thicker washer. Place the doors on top of the fixations, so that the fixations slide through the mounting hole. Place the mechanism on top of the doors. Fix the mechanism with screws on both sides. The sliding wheels should be both on the inside of the sliding mechanism. Adjust so that the doors move freely by hand.

The Controller card is rated for 24v motors and was designed for elevator doors. It supports two end-stops (mechanical switches). The "AL" switch is triggered when the door is in the open position and the "KL" switch is triggered when the door is in its closed position.

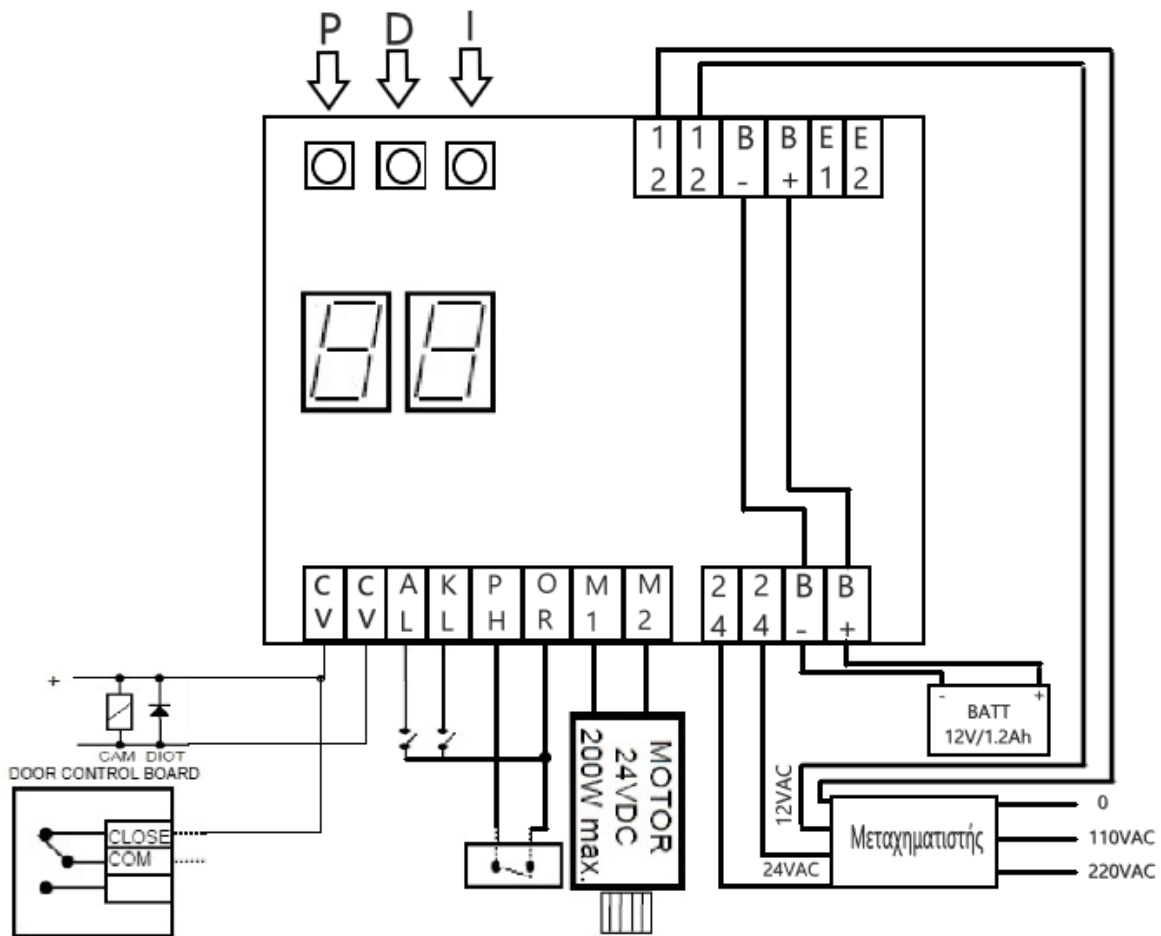
To enter programming mode, push the «P» button continuously for a second, till characters flash on the screen. Since programming mode was selected the door will halt its movement, and the programming parameters will be visible. Pressing the «P» button momentarily will help us choose different parameters. The values of the parameters can be adjusted with the buttons "D" and "I". The button "D" decreases the value of a selected parameter and the "I" button increases. To exit programming mode so that the movement restarts (either on normal mode or display mode) push and hold the button «P» for about 1 second until you hear the buzzer and the character flashing stops.





Mode explanation	Character on screen	Range of values	Factory value
Movement Mode	Fu	n=Normal Mode d=Display Mode	n
Top closing speed	CH	17-23	20
Lowest closing speed	CL	8-12	11
Inertia at top speed	CF	21-26	21
Inertia at low speed	CA	28-36	22
Top opening speed	OH	19-25	22
Lowest opening speed	OL	8-13	11
Inertia burst speed at top speed	bh	7-10	7
Inertia burst speed at low speed	bl	10-12	10

Normal Mode: We have to enter programming mode, as specified before, select the parameter “FU” and select “n” value. **Display mode:** We have to enter programming mode, as specified before, select the parameter “FU” and select “d” value. In this case, the door opens and closes contentiously with a 2 second delay in each end-stop. **Obstacle Detection:** The sensitivity level, while the door closes, can be adjusted by the parameters “CF” and “CR”. If an obstacle is detected, the door halts, opens and tries to close again. **Automatic door unlocking:** For the door to unlock itself while there is no main voltage there has to be a N/O magnetic sensor .



Fault indications : The “F6” error is shown when the door has travelled a lot of distance without finding a switch. The “F7” error is shown when the door has done (3*5) tries to close but an obstacle is blocking the operation. The “F9” is shown when the switches “AL” and “KL” are pressed simultaneously . This error halts the door and the board has to be reset by unplugging both the battery and the main voltage, while you should also check the correct operation of the switches.

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