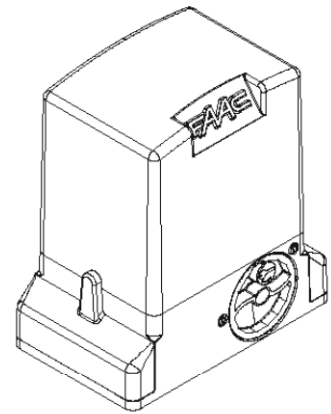


## 740D



### Step 1

#### \*Mains power

Ensure correct mains power connection to control board, refer back to manual.

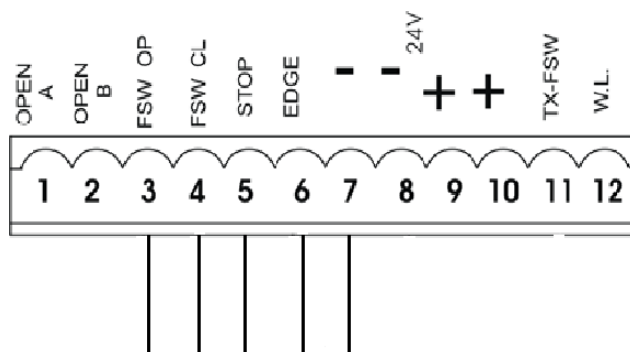


**Electrical Connection: Should always be carried out by an Authorised and Qualified Electrical contractor.**

### Step 2

#### \*Terminal board bridging.

Ensure correct bridging of terminals before operating the system. Follow figure below if there are no STOP, SAFTY BEAMS or EDGE devices connected.



### **Step 3**

#### **\*Observe LED display.**

LED display should display terminal connections, activated photo beams and limit switches.

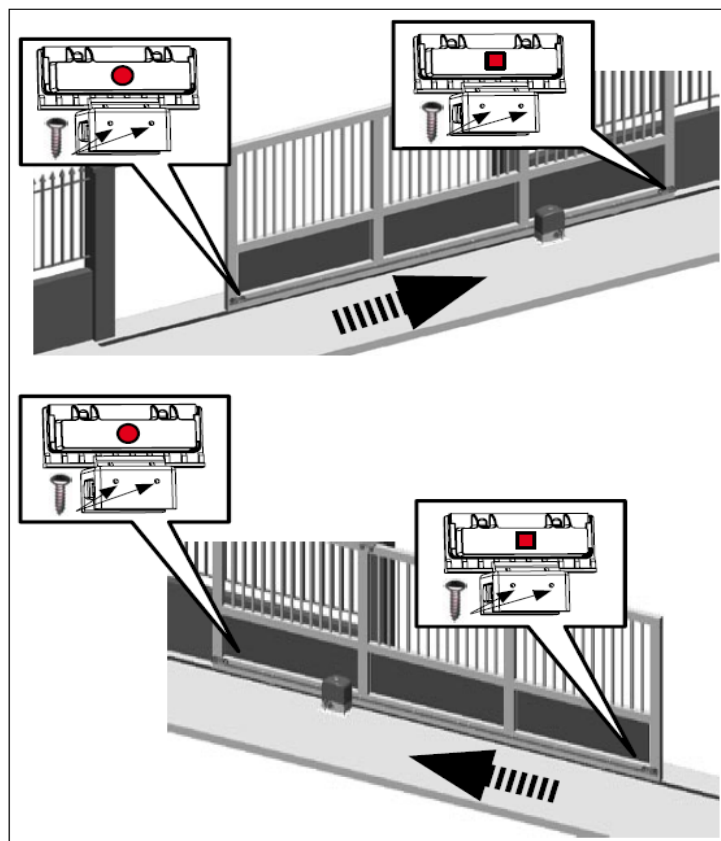
- LED's corresponding to STOP, FSW CL and FSW OP are all normally closed circuits and when inactive LED's should be ON.
- OPEN A and OPEN B are normally open contacts. Corresponding LED's will remain OFF until contact is activated.

### **Step 4**

#### **\*Limit switch installation**

The motor system has a magnetic limit ramp that is installed on the fully open and fully closed position on the gate rack. It is important to notice which limit ramp is installed at witch end of gate as this will determine gate direction.

Looking at the motor from inside, the square labelled magnet must always be installed to the right of the motor, and the circle labelled magnet must always be installed on the left hand side of the motor.



Set this type of motor to the following and change what I have marked to make it work better.

Some have to be changed for set up to work

## Step 5

### \*Basic Programming function

To access the BASIC PROGRAMMING press the "F" button. If you hold down the "F" button the first display will show, when you release it the value of the parameter will show. This value can be change with the use of + and – keys. By pressing and holding the "F" key again the next parameter is shown then when released the value will be shown, etc.

#### Please Note:

It is important to select the correct Motor direction as this will effect auto close function, gate status display and magnet positions.

You have to set the direction of the gate. So standing inside the gate and looking out you determine if the gate opened to the right or the left. Then change the direction of the gate to open to either -3 or E-

Note: Make sure the magnets are on the gate the correct way as they are different with some gate motors.

BASIC PROGRAMMING (F)		
Display	Function	Default
LO	<b>FUNCTION LOGICS (see tab. 3/a - h):</b> <i>A</i> = Automatic <i>AP</i> = "Stepped" automatic <i>S</i> = "Safety" Automatic <i>E</i> = Semi-automatic <i>EP</i> = "Stepped" Semi-automatic <i>C</i> = Dead-man <i>b</i> = "B" Semi-automatic <i>bC</i> = Mixed Log. ( <i>b</i> opening / <i>C</i> closing)	EP
PA	<b>PAUSE TIME:</b> This has effect only if the automatic logic was selected. Adjustable from 0 to 59 sec. in one-second steps. Subsequently, display changes to minutes and tens of seconds (separated by a point) and time is adjusted in 10-second steps, up to the maximum value of 41 minutes. E.g. if the display shows 2.5, pause time is 2 min. and 50 sec.	2.0
FO	<b>FORCE:</b> Adjusts Motor thrust. <i>01</i> = minimum force <i>50</i> = maximum force	50
dl	<b>OPENING DIRECTION:</b> Indicates the gate opening movement and makes it possible not to change the motor and limit-switch connections on the terminal board. <i>-3</i> = Right-hand opening movement <i>E-</i> = Left-hand opening movement	-3
St	<b>GATE STATUS:</b> Exit from programming and return to gate status viewing. <i>00</i> = Closed <i>01</i> = Now opening <i>02</i> = Stopped <i>03</i> = Open <i>04</i> = Pause <i>05</i> = "FAIL SAFE" tripped (chpt. 5.2) <i>06</i> = Now closing <i>07</i> = Now reversing <i>08</i> = Photocells tripped	

This just displays what the gate motor is doing on the display when you have exit

## **Step 6**

### **\*Gate status viewing display**

Ensure gate status display is in accordance with gate position. Place gate in manual and run fully closed until CLOSED LIMIT RAMP is in line with LIMIT READER making sure 00 is on the display. Run gate fully open until OPEN LIMIT RAMP is in line with LIMIT READER make sure 03 is on display. If incorrect reading is showing check that the magnets have been installed correctly and that the motor direction is correct.

#### **GATE STATUS:**

00 = Closed  
01 = Now opening  
02 = Stopped  
03 = Open  
04 = Pause  
05 = "FAIL SAFE" tripped  
06 = Now closing  
07 = Now reversing  
08 = Photocells tripped

## **Step 7**

### **\*Advanced programming**

To access advanced programming press and hold down the "F" button, as you hold it down push the "+" button. If you release the "+" button and keep the "F" button pressed the display will show the name of the first parameter of advanced programming. When the "F" button is released the parameter value is shown, this can be alter with the + or – button. Press the "F" button again to scroll through to the next functions.

Please refer to the Installation manual for the Advanced Programming parameters.

#### **Please Note:**

You must always completely scroll out of the programming menus back to the status display to save any changes made within the menus.