

QUICK INSTALLATION GUIDE



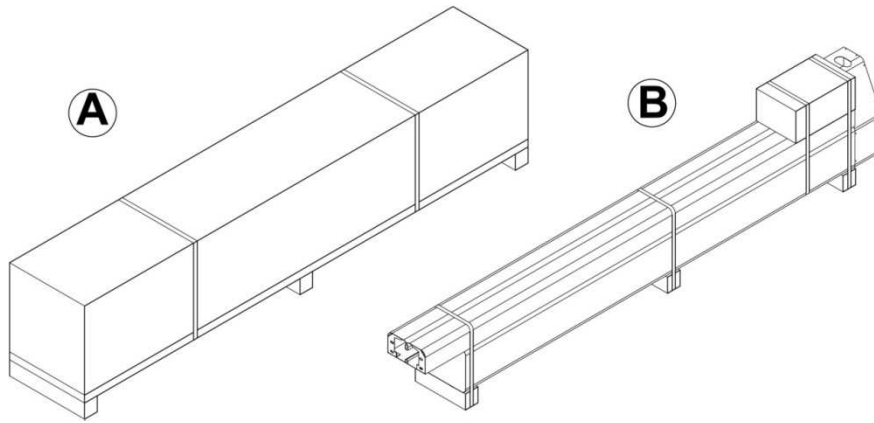
FLEXIBLE, SELF-REPAIRING DOOR
TYPE

STX-Ai 300/350



Shipping crate

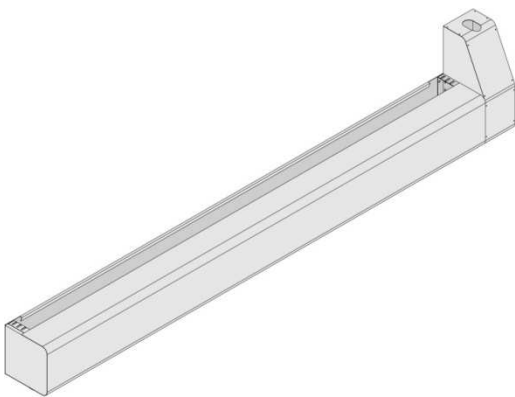
PACKAGE CONTENT



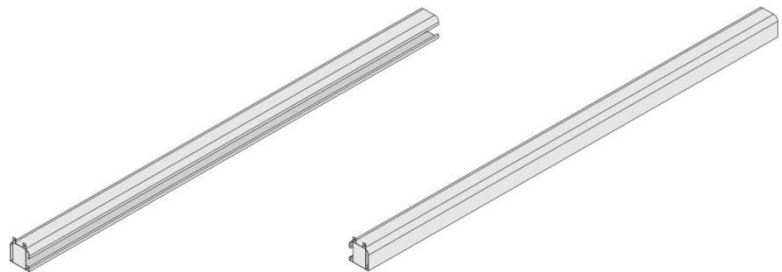
A) Packaging crate in wood and carton

B) Standard packing

Heading



Columns



PVC Fabric

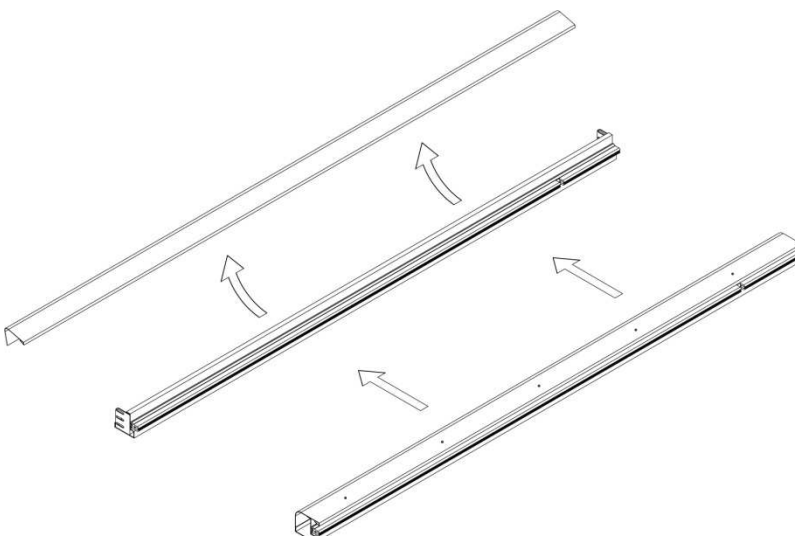
The curtain for door " STX-Ai 300 / 350 " model is rolled on the barrel inside door heading

Accessories

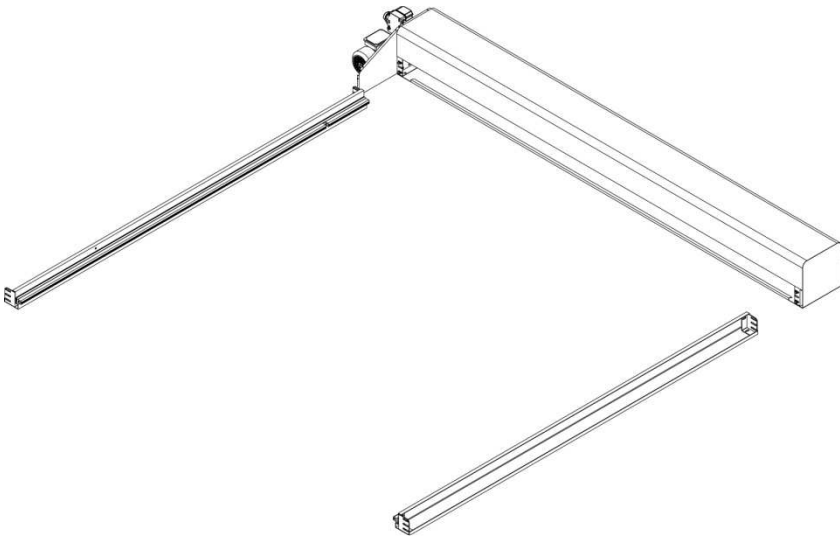
All the standard and optional accessories are packed in a carton box.

Other accessories that by any reason cannot be packed in a carton box will be supplied inside of the main crate, placed together with door components.

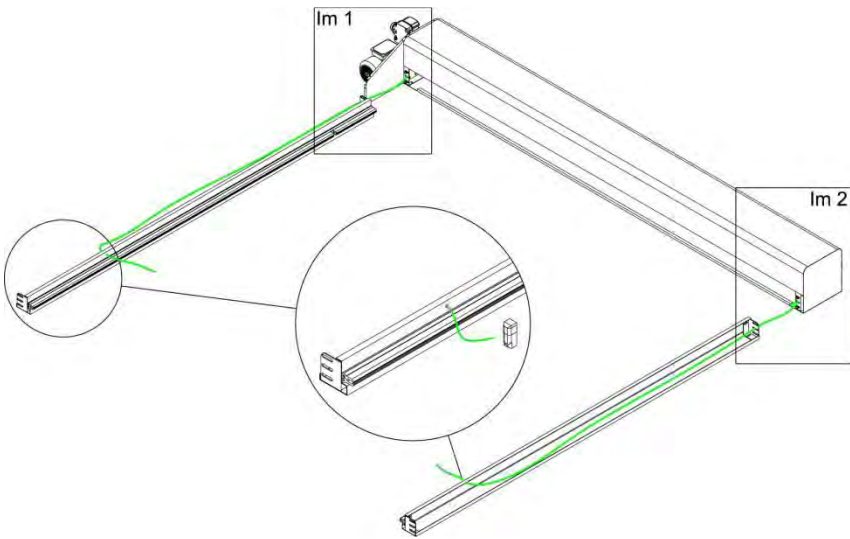
DOOR ASSEMBLY AND PRELIMINARY WIRING



- 1) Place the door columns on the ground.
- 2) Unscrew the fixing bolts from the column cover
- 3) Put ahead the column cover for further usage



Position both columns with the pre-made holes for photocells wiring facing each other, as per drawing.

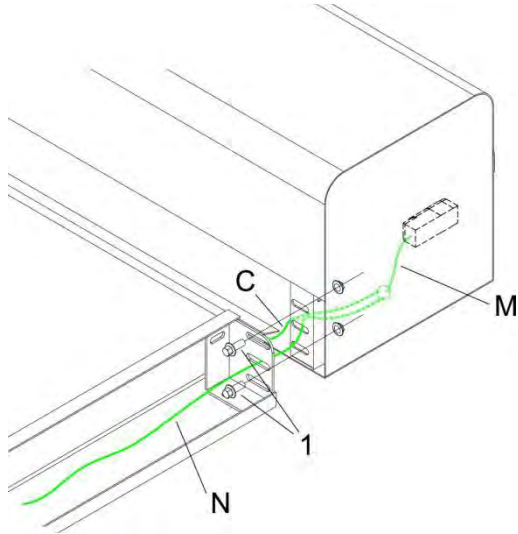
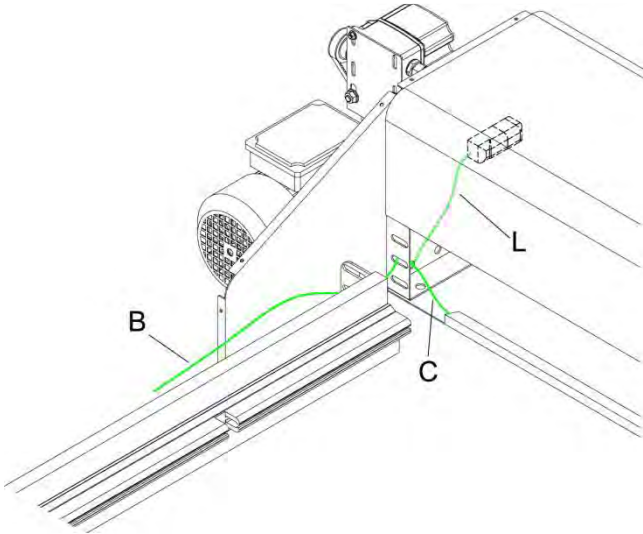


Proceed with the wiring on the ground by passing the photocells cables through the columns as per drawing.

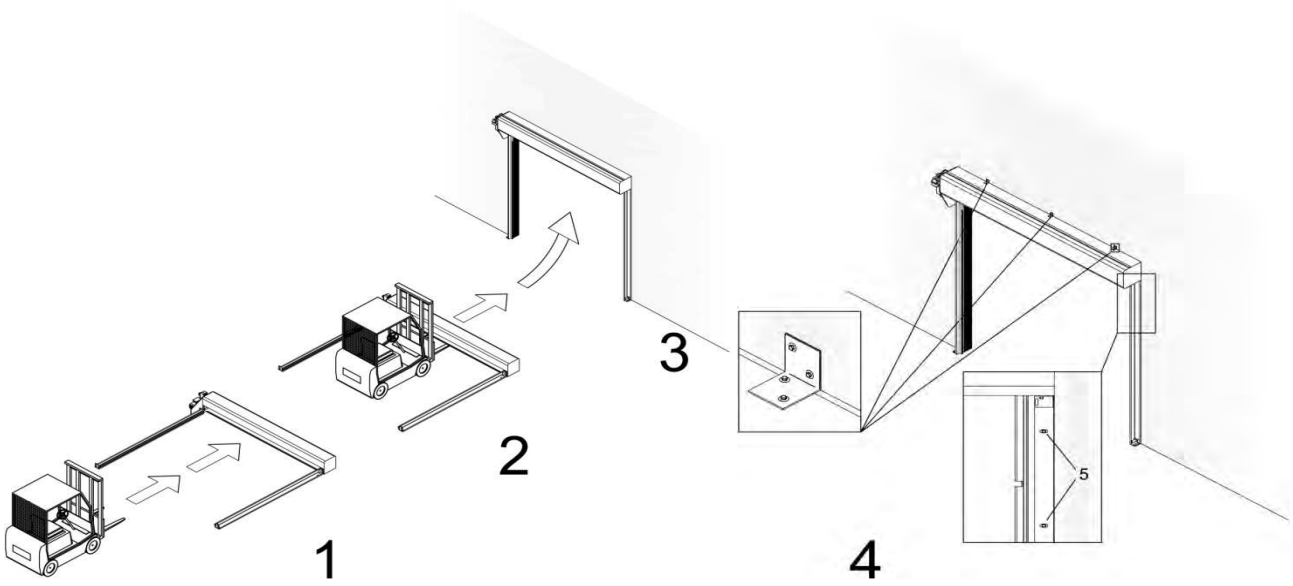
Approach both columns to the heading and join them through fixing screws and nuts supplied.

Img 1

Img 2



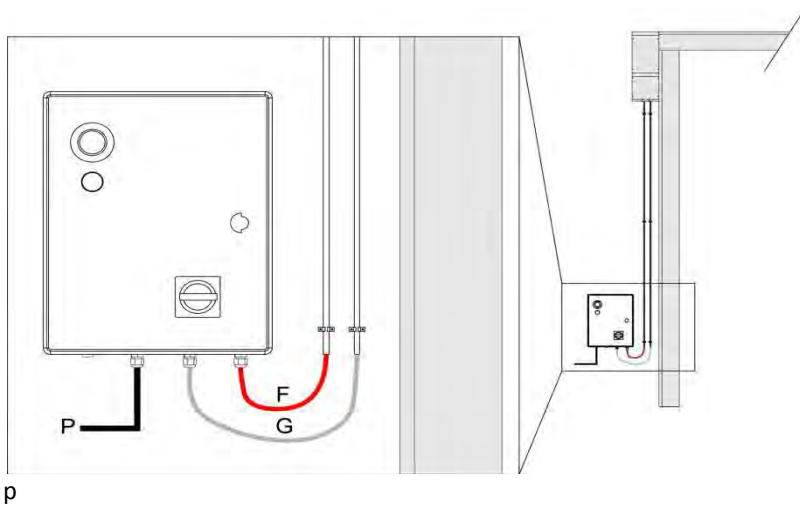
DOOR LIFTING



Lift the door structure with the appropriate lifting machinery: steps nr. 1, 2, 3, 4. Fix the door heading and vertical columns as per drawing.

Attention: Please, do not tighten the columns bolts until the PVC Curtain is not inserted into structure.

INSTALLATION OF THE MAIN CONTROL BOX AND ITS WIRING

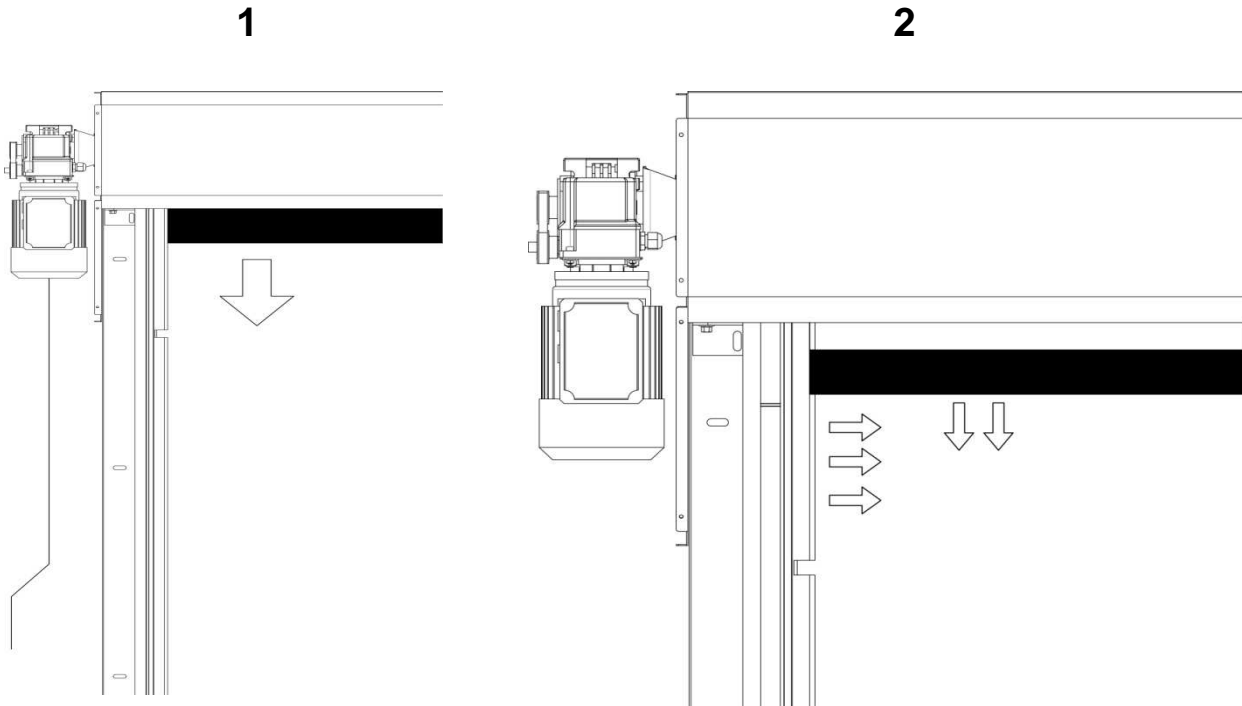


Install the main control box at a suitable for usage height (*recommended at approx. 1600 mm from the floor*) and use suitable electrical conduits and cables.

Please, follow the **WIRING DIAGRAMM**.

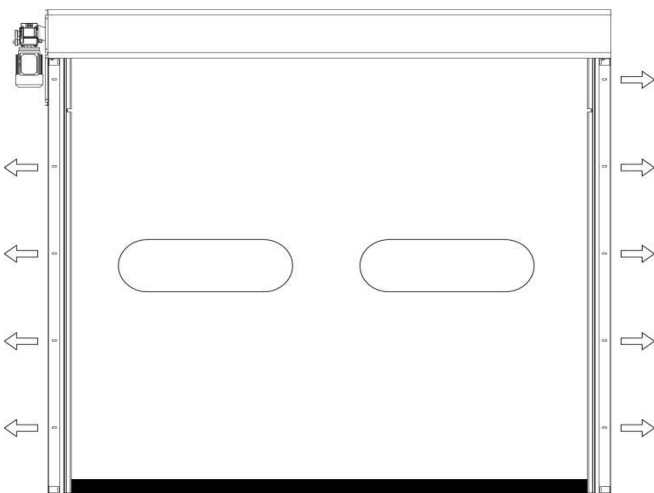
FITTING THE PVC CURTAIN INTO VERTICAL SLIDING GUIDES

Please use the manual hand crank to unwind the PVC curtain out of the door heading. Unwind until curtain's zipper get 5-10 cm below the sliding polyethylene guides. **(1)**
Operate with the sliding guides for inserting the curtain zipper. **(2)**



Switch the door power isolator to ON position. Activate the motor relays inside the control cabinet and rise the curtain all the way up and down.

Attention: Prior to switch ON the door power supply, please, pick up manually for 50 cm the curtain, from the door heading.



Press and hold the "MENU" button till this reach setting option "SET"
Press the directional ARROWS for rising up and down the curtain.

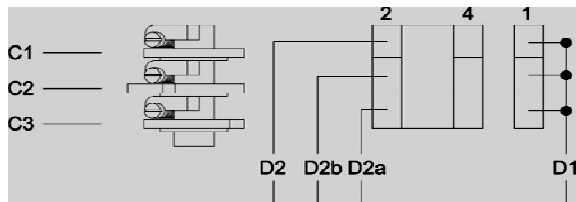


▼ → to lower the curtain
▲ → to rise the curtain

In case if the push buttons are not functioning properly, please switch the motor phases wiring on the control card.

Adjust the bottom of the side columns by sliding them away from the opening to stretch the curtain. Fix the door columns to the wall.

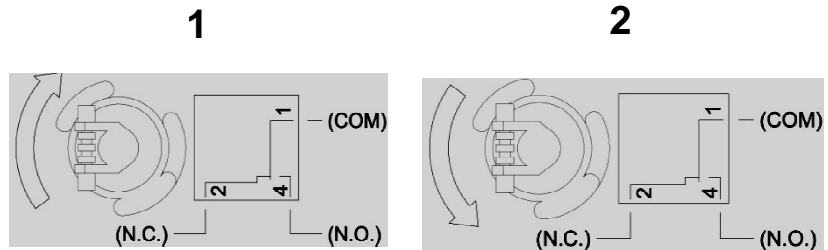
LIMIT SWITCH ADJUSTMENT



C1 – cam OPEN (green wire);
 C2 – cam SLOWING OPENING SPEED (white wire)
 C3 – cam CLOSE (brown wire)

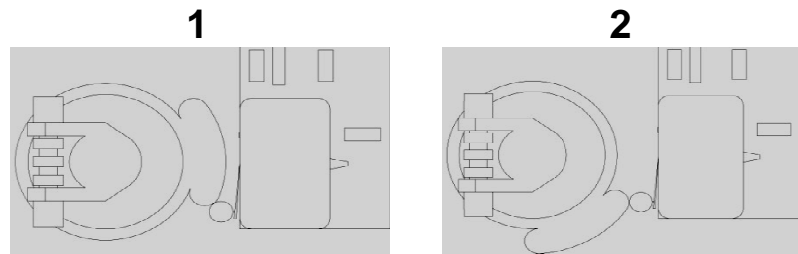
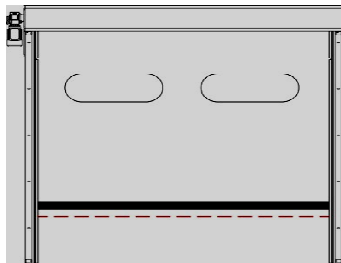
1 – Using motor relays inside the control cabinet, observe rotation direction of the limits CAMMES

- PRESS and HOLD “MENU” button till this reach setting option “SET”
 - Operate with the UP/Down arrows



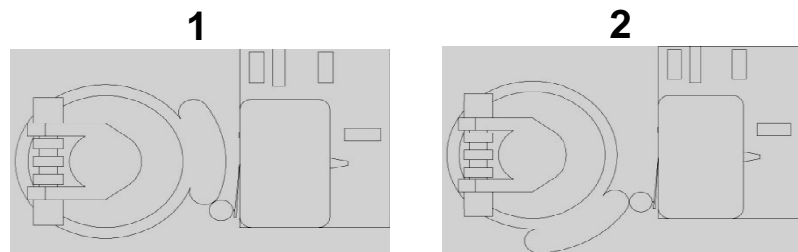
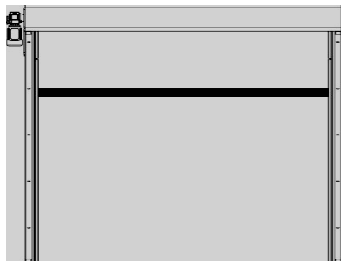
2 – By using same arrows open up the door until the curtain is approx. with 10 cm the photocells pair. Adjust CAM nr. 3 , observing its rotation direction.

C3



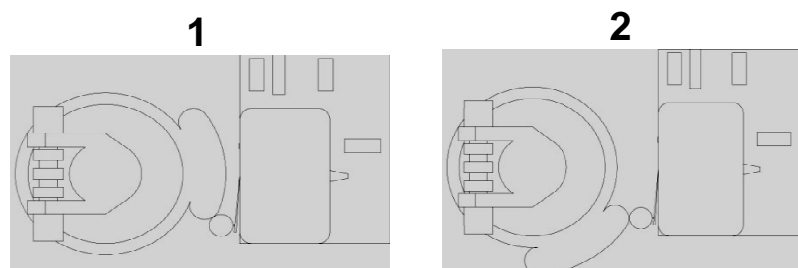
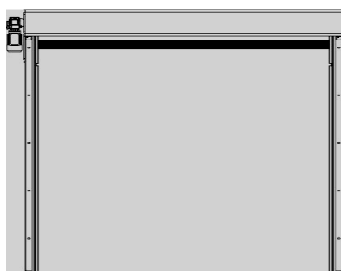
3 – Open up the door until the curtain is approx. with 60-70 cm below door heading. Adjust CAM nr. 2 using same technique as above.

C2



4 – Open completely the door and adjust the CAM nr. 1 by using same technique as above.

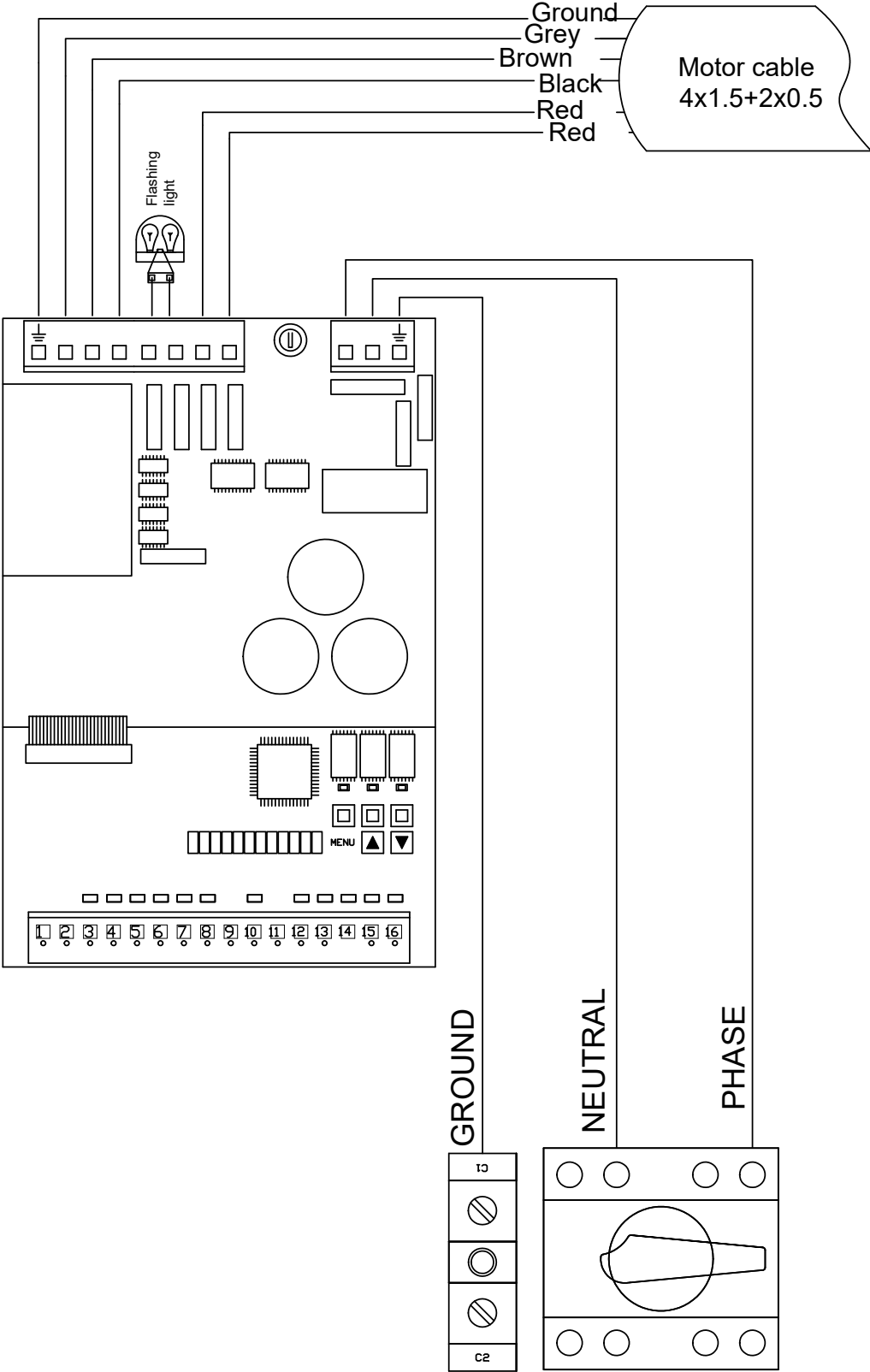
C1



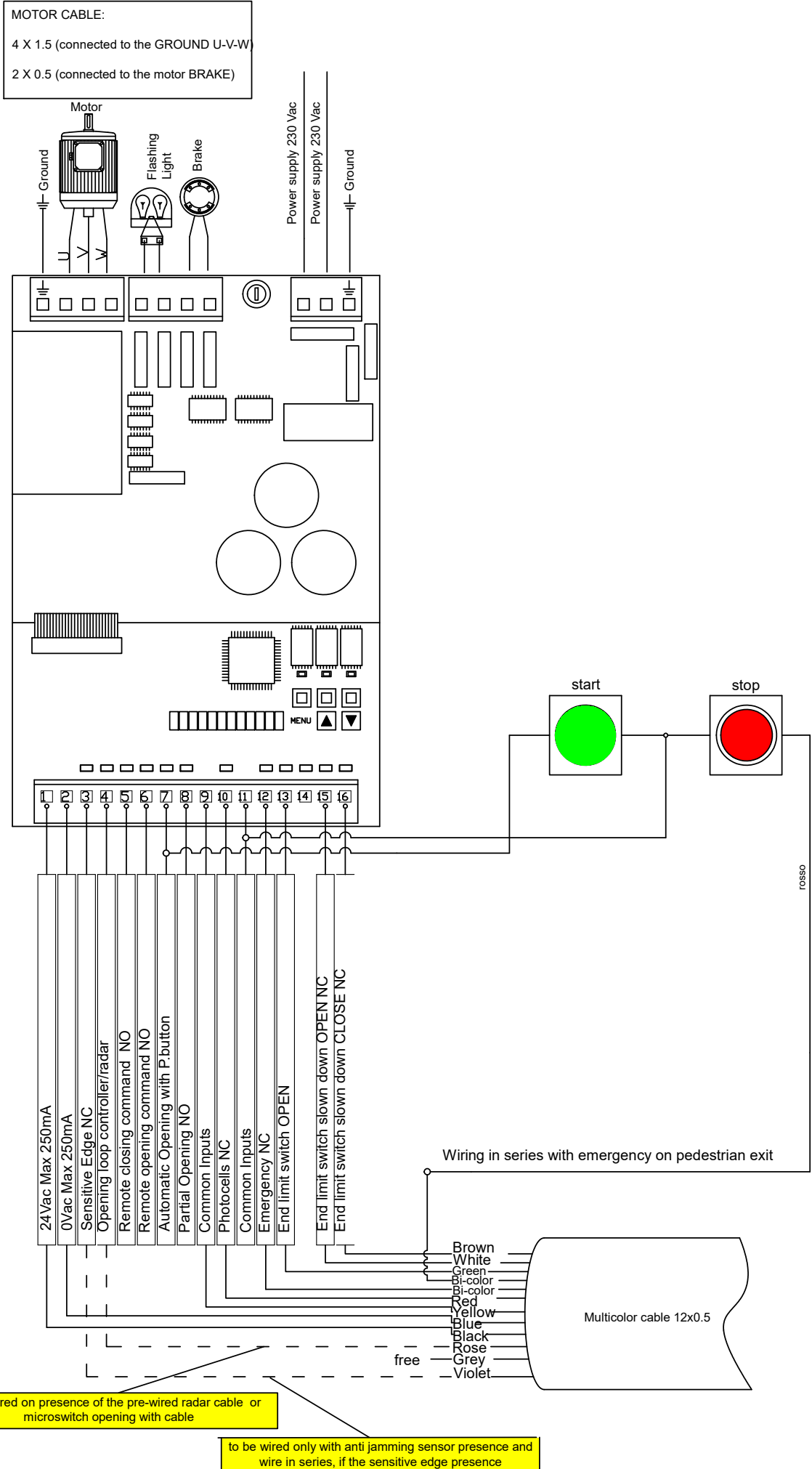
Push the start button on the front of the panel and the door should move to the open position
 Push the start button again (or allow the time delay to close the door)
 and the door will close and is ready to use.

If the door curtain does not arrive to the floor, then this need to be adjusted, through the setting option (UcL) “**Closing fine adjustment**” on the display. Shall be made same test with the safety photocells wiring. If on the “slower” downhill the curtain is not arriving to the floor, then these need to be adjusted. On the control card through programming button, press and hold till this reach (UoF) option, “**closing compensation adjustment**” shown on the control card display.

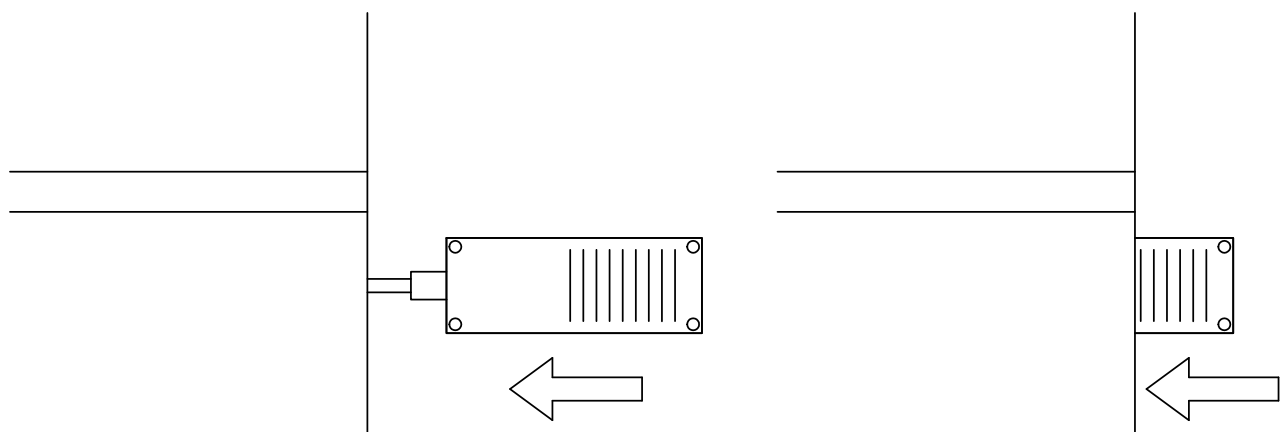
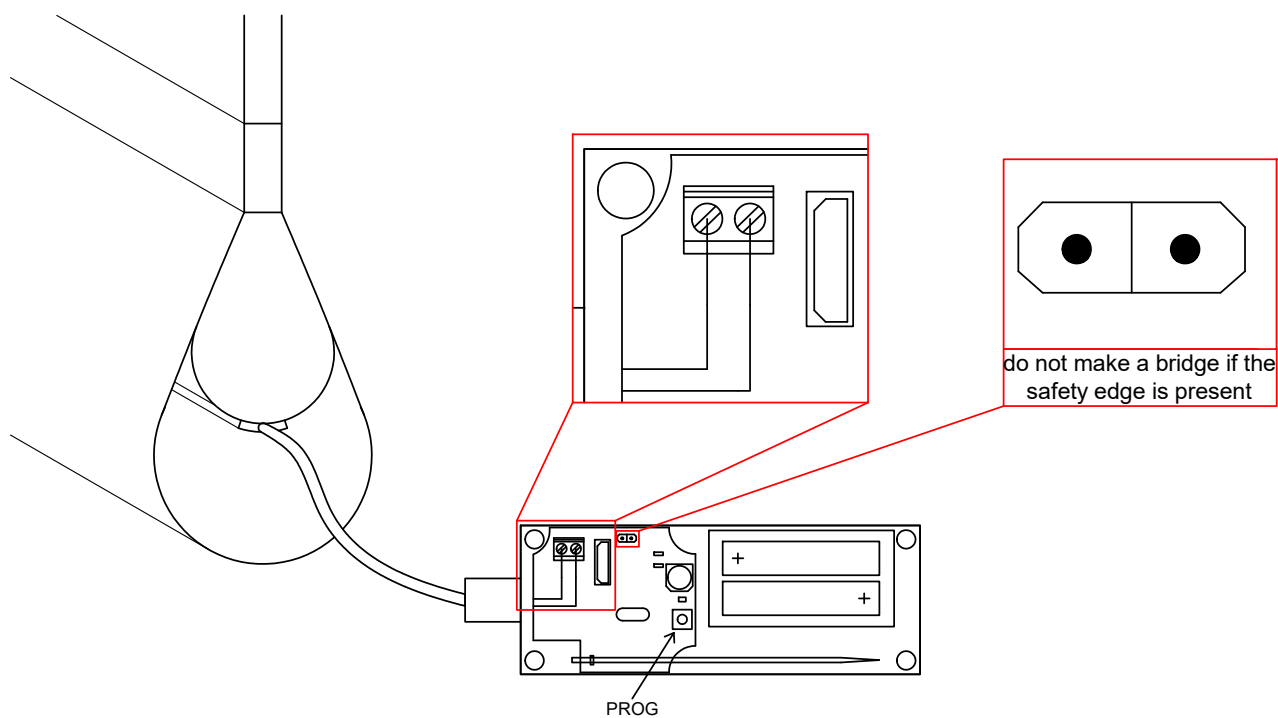
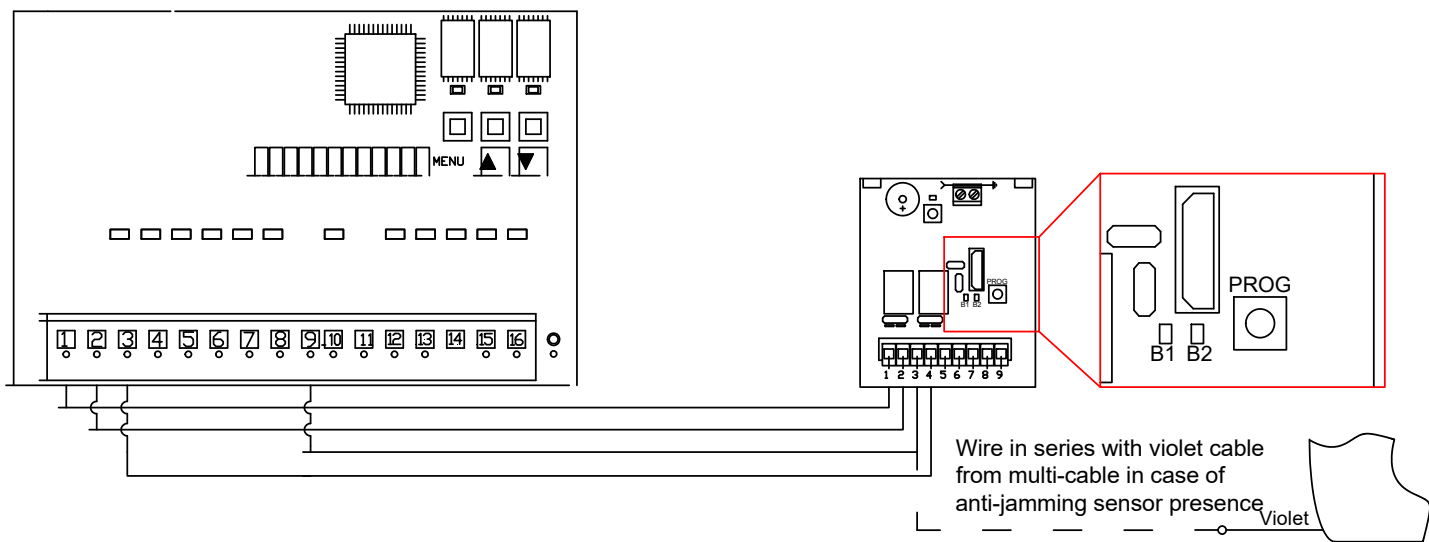
MOTOR CABLE WIRING



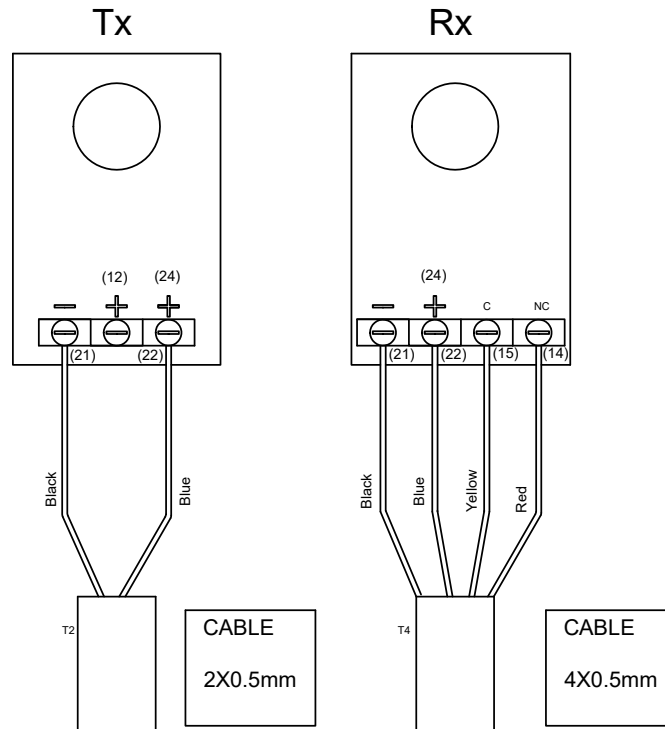
INVERTER CONTROL CARD WIRING 230V



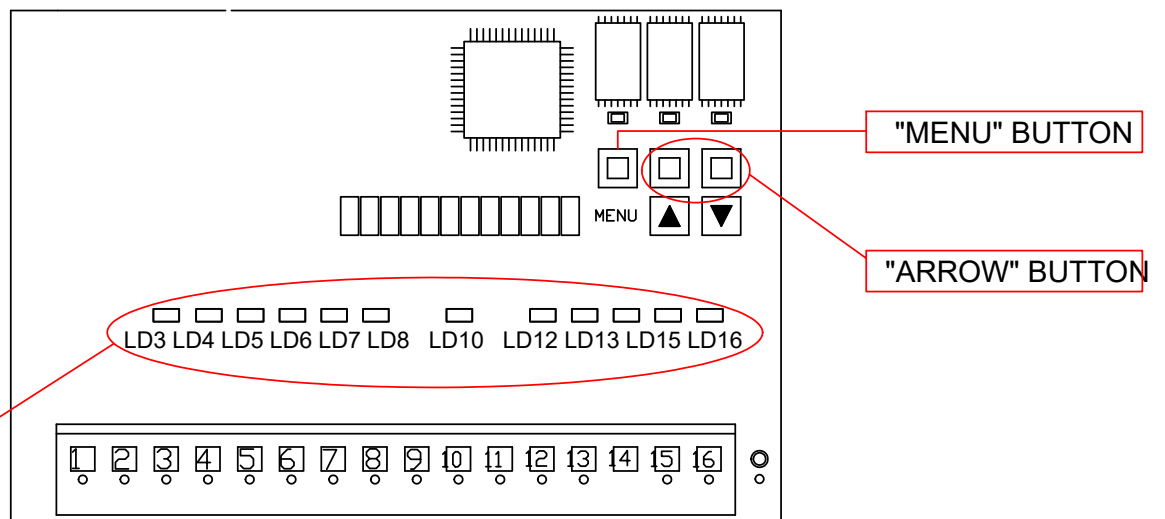
WIRELESS SAFETY EDGE WIRING



PHOTOCELLS WIRING



PUSH BUTTON OPTIONS + LED



- LD3** LED BORDO SENSIBILE E/O FOTOCELLULA SUPERIORE
- LD4** LED COMMAND OPEN FOR LOOP CONTROLLER/RADAR
- LD5** LED REMOTE CLOSING COMMAND
- LD6** LED REMOTE OPENING COMMAND
- LD7** LED COMMAND AUTOMATIC OPENING
- LD8** LED COMMAND PARTIAL OPENING
- LD10** LED SAFETY PHOTOCELLS
- LD12** LED STOP PB
- LD13** LED END LIMIT SWITCH OPEN
- LD14**
- LD15** LED END LIMIT SWITCH SLOWN DOWN OPEN
- LD16** LED END LIMIT SWITCH SLOWN DOWN CLOSE

CONTROL CARD INSTRUCTIONS

Proceed by pressing the buttons with the up/down arrows and access with the following options:

1. The motor speed is indicated in Hz.
For information: If the third digit on the door cycles counter is followed by a dot then this indicates the thousands, otherwise this indicates a unit, for example:
 - If the door cycles counter indicates the thousands "023". And the door cycles counter indicates the unit "456", then it means that the door made 23.456 operations;
 - On the Amperes indicator is displayed the absorption of the Amperes in the real time.

MENU OPTIONS:

Press the "MENU" button to display the first option. By pressing again, the Menu button you accede to the "Menu Options"

By pressing the button that shows "ARROW" directions you can accede to the menu options and change the manufacturer's settings. Following this procedure, you can set up the personalized options. To memorize the newly settled values, press again the "menu" button and you will automatically return to the "menu options". If there is no pulse within 20 seconds, the display will return to the default mode.

THE MENU OPTIONS ARE AS FOLLOWING:

(dft=default)

- "Auc"- time break, for having door open (counted in seconds). Insert "0" value if you want to exclude the delayed closure of the door.
- "oPS"- door opening speed, in Hz (the default values may be changed only after preliminary consultation with manufacturer) by **dft is 50 Hz**
- "cLS" – door closing speed, in Hz (the default values may be changed only after preliminary consultation with manufacturer) by **dft is 40 Hz**
- "SLo" – Slowed down opening, in Hz (the default values may be changed only after preliminary consultation with manufacturer) by **dft is 20 Hz**
- "SLc" – Slowed down closing, in Hz (the default values may be changed only after preliminary consultation with manufacturer) by **dft 15 (if UoF is not working, increase to 20 Hz or more)**
- "rAS"- Ramp, valued in Hz/sec. This code shows the ramp speed of acceleration and deceleration. (the default values may be changed only after preliminary consultation with manufacturer) **dft 100**
- "rAE" – Emergency ramp, as well valued in Hz/sec. This code shows the ramp headland speed (the default values may be changed only after preliminary consultation with manufacturer) **dft 120**
- "TP" – pedestrian opening adjustment (this parameter can change the pedestrian opening values, if this present)
- "TSA"- door operation time (complete number of door cycles)
- "PHA"- delayed reading of the anti-jumping sensor. "0" is disabled. From "1" to "5" sec shows that the sensor will start working within set up time (from 1 to 5 seconds)
- "PH" – safety photocells, "0" disabled – "1" enabled (set the value "0" only for test)
- "STP" – STOP push button, "0" disabled – "1" enabled (set the value "0" only for test)
- "oPB" – OPEN push button, set "1" for automatic opening; set "2" for slowed down opening with UPS
- "cLB" – CLOSE push button, set "1" for automatic opening;
- "UoP"- Precision Opening adjustment. Increase the value to increase the delayed opening. This option is compatible only with 2 camme limits, pins on control card nr. (15, 16). Useful to intervene the limit switch from the ground. Option settled by **dft is 100**
- "Ucl" – Precision Closing adjustment. After setting the limits of slowed closing (brown wire), on approx. 15 cm above the safety photocells, regulate the "Ucl" by increasing or decreasing the value as per desired closing. Useful to intervene the limit switch from the ground.
- "UoF" – Door Closing compensation adjustment. Is used if the door is not closing completely on the slowed down closing. (ex: on the photocells head off), the value can be increased or decreased in a necessary way in order to adjust the appeared gap and set the door closure in the right position. (*Auc = 0, UoF is ignored*)
- "br" – Brake Voltage. This code shows the brake voltage that is applied to the motor brake, and is counted in tenths of Volts. (*ex: 11th is corresponding to 110Vdc*)

- **“brP”** – Brake polarity. The motor brake polarity shall be changed only when the motor is positive, installed on counterweighted door.
- **“Prf”** – Pre-Flash, "0" Disable . "1-5" sec.
- **“LnP”** – Lamp Mode. "0" Flash. "1" Lamp.
- **“H2”** – Motor Frequency. "0" 50Hz. "1" 60 Hz.
- **“bSt”** – “boost” motor power (the default values may be changed only after preliminary consultation with manufacturer) dft 20
- **“dEi”** – Dead Time. "0-10".
- **“PAC”** – time break for pedestrian passage
- **“SSS”** – set up velocity. Option SET **dft 30Hz**
- **“SET”** – movement through the button “ arrow” with “men-present”. Is used for adjustment of the door closing / opening by excluding the limits.

Attention: during the “ SET “ settings the door is devoid of any safety devices and limit witches.