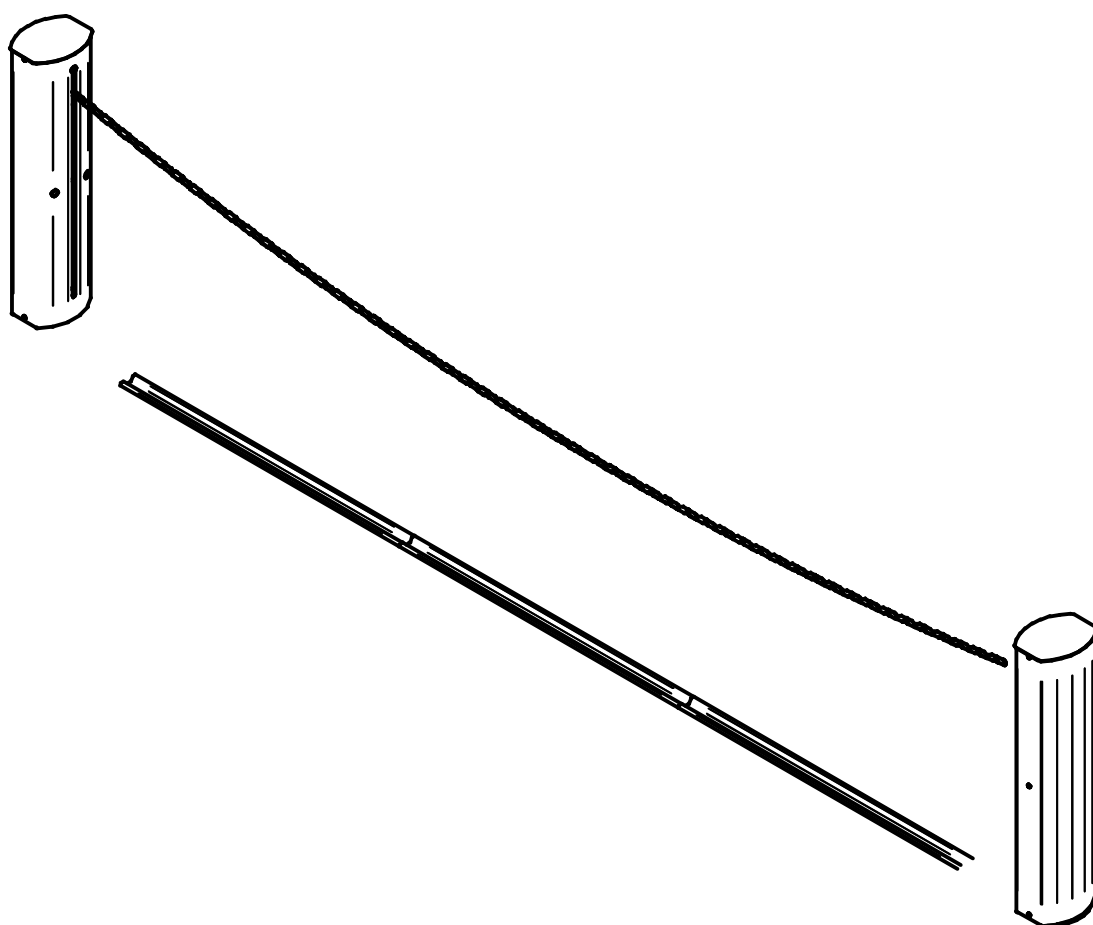
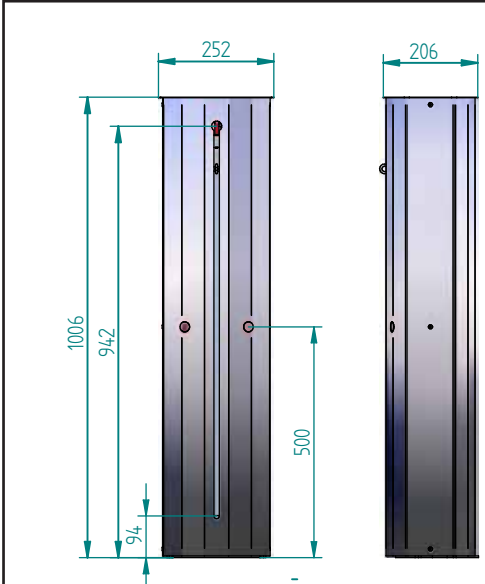
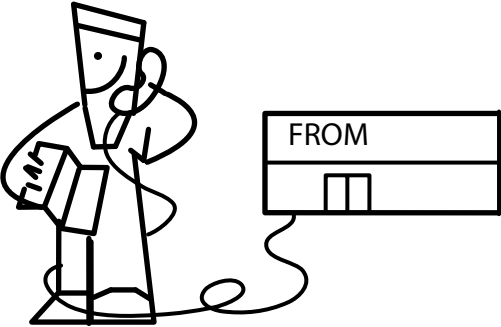
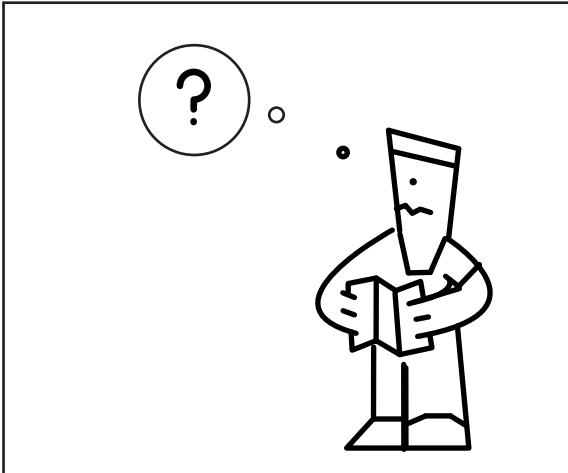
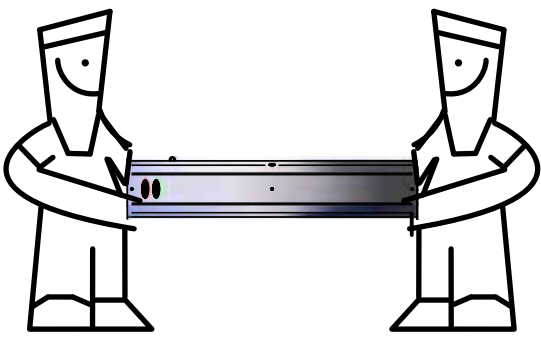
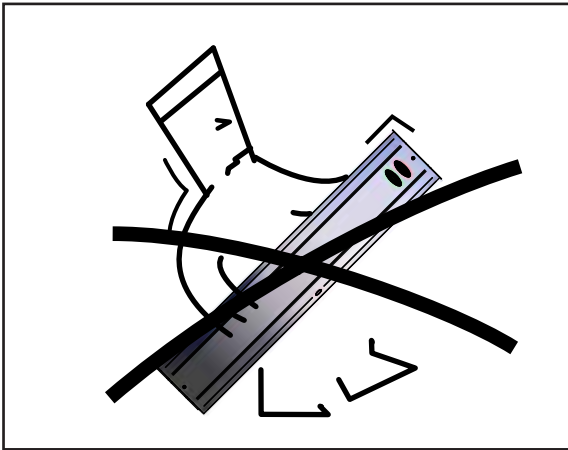
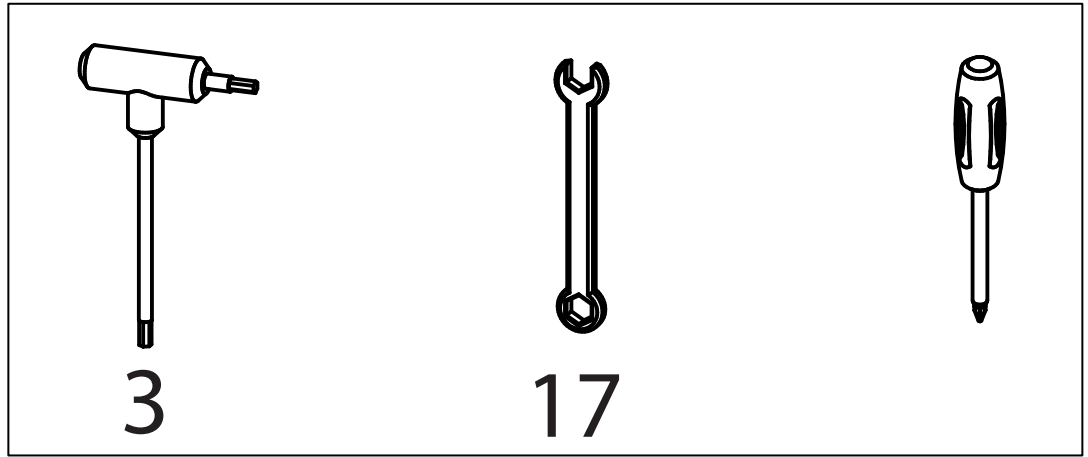
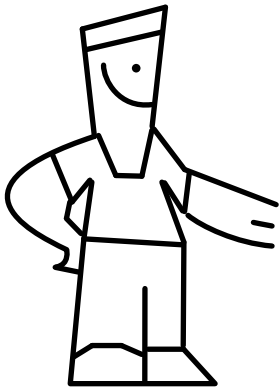


CAT/200

Installation manual

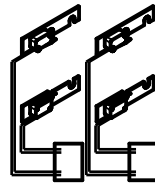
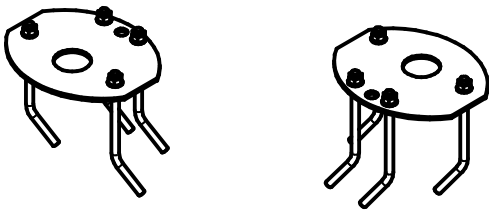
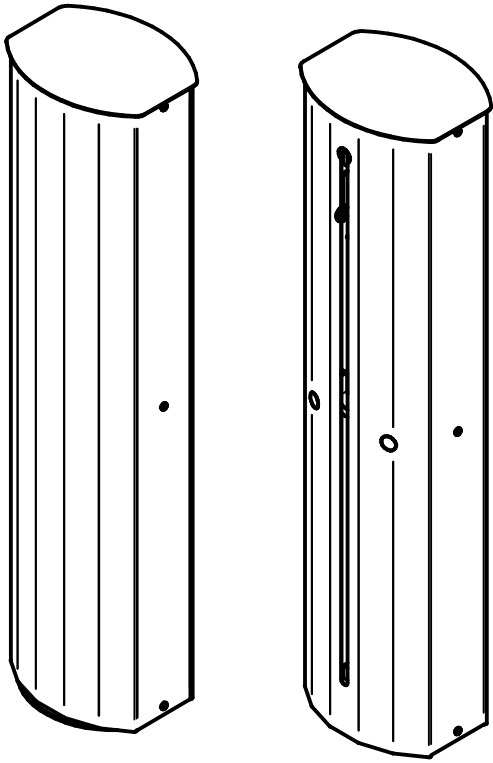




1. TECHNICAL DATA

CAT200	
Power Supply	230 V~/50Hz
Power supply for gearmotors	24 V
Current	1.0 A
Gearmotor power	60 W
Torque	645 Ncm
Class of service	intensivo
Cycle (work/pause)	50%
Temperature	-20° C / +50° C
Protection degree	IP 55
Lubrification	for life
Weigth	25 Kg

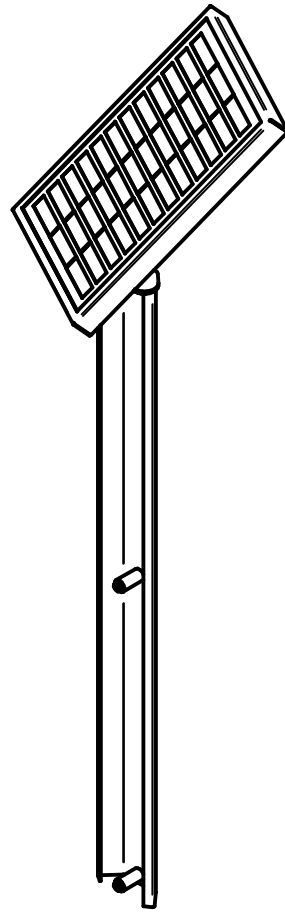
CAT200 KIT



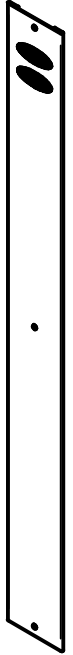
SWITCHES
KIT



MOVING
LED



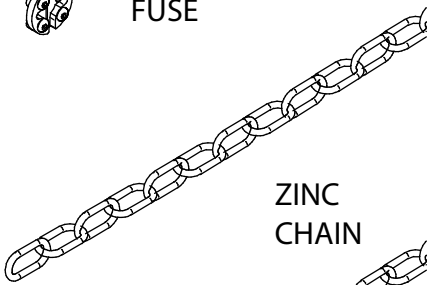
SOLAR
KIT



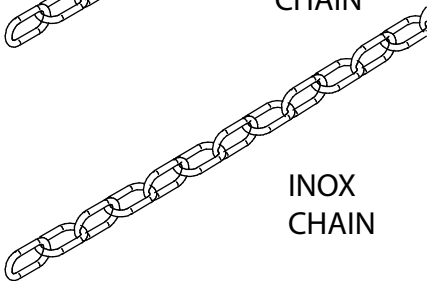
TRAFFIC
LIGTH



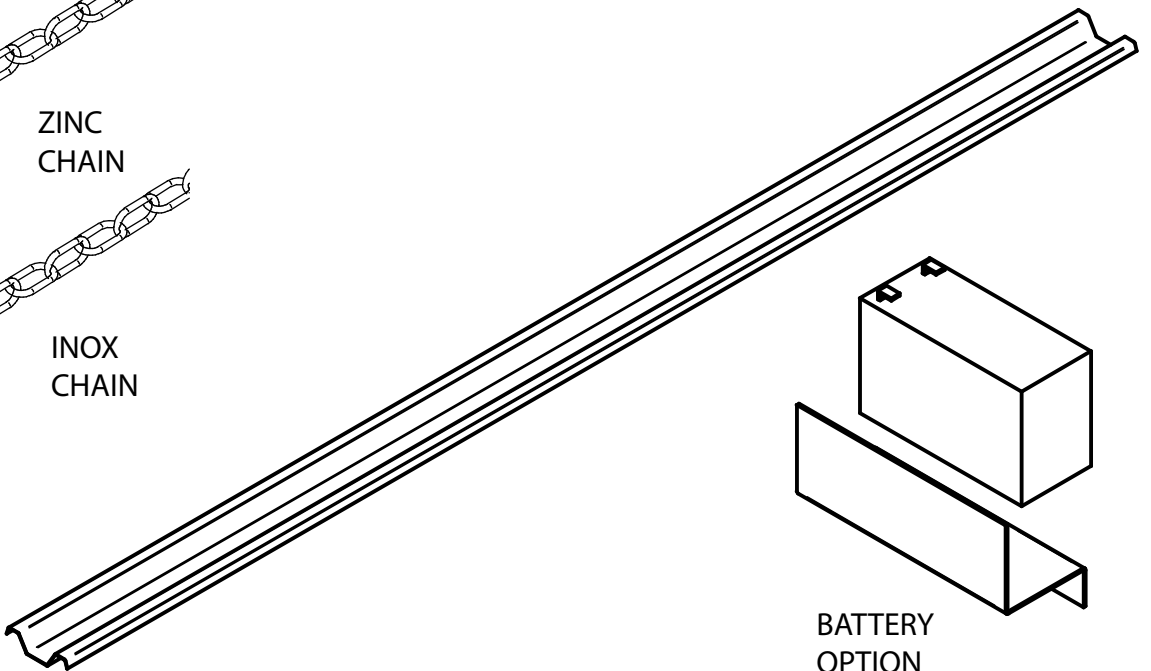
FUSE



ZINC
CHAIN

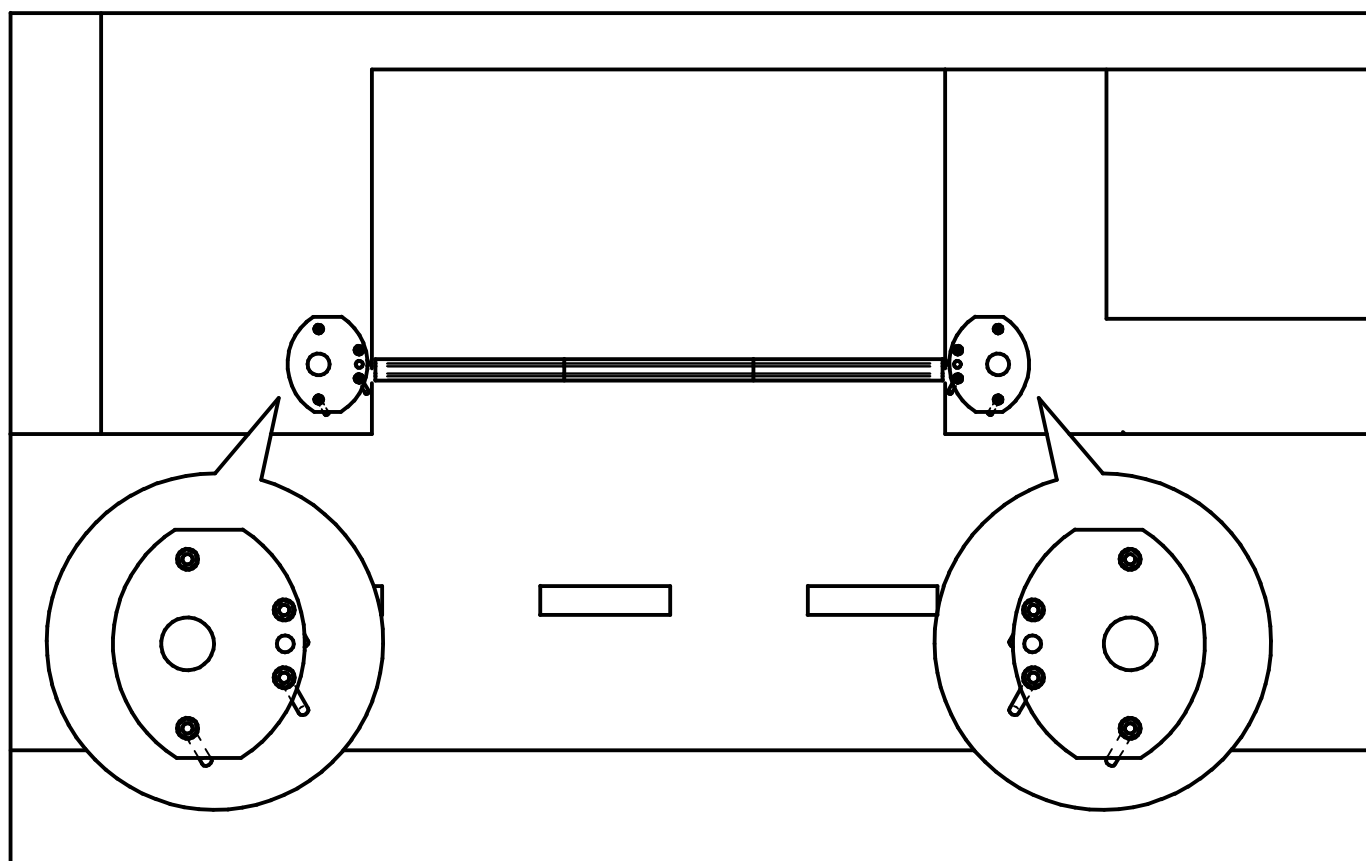
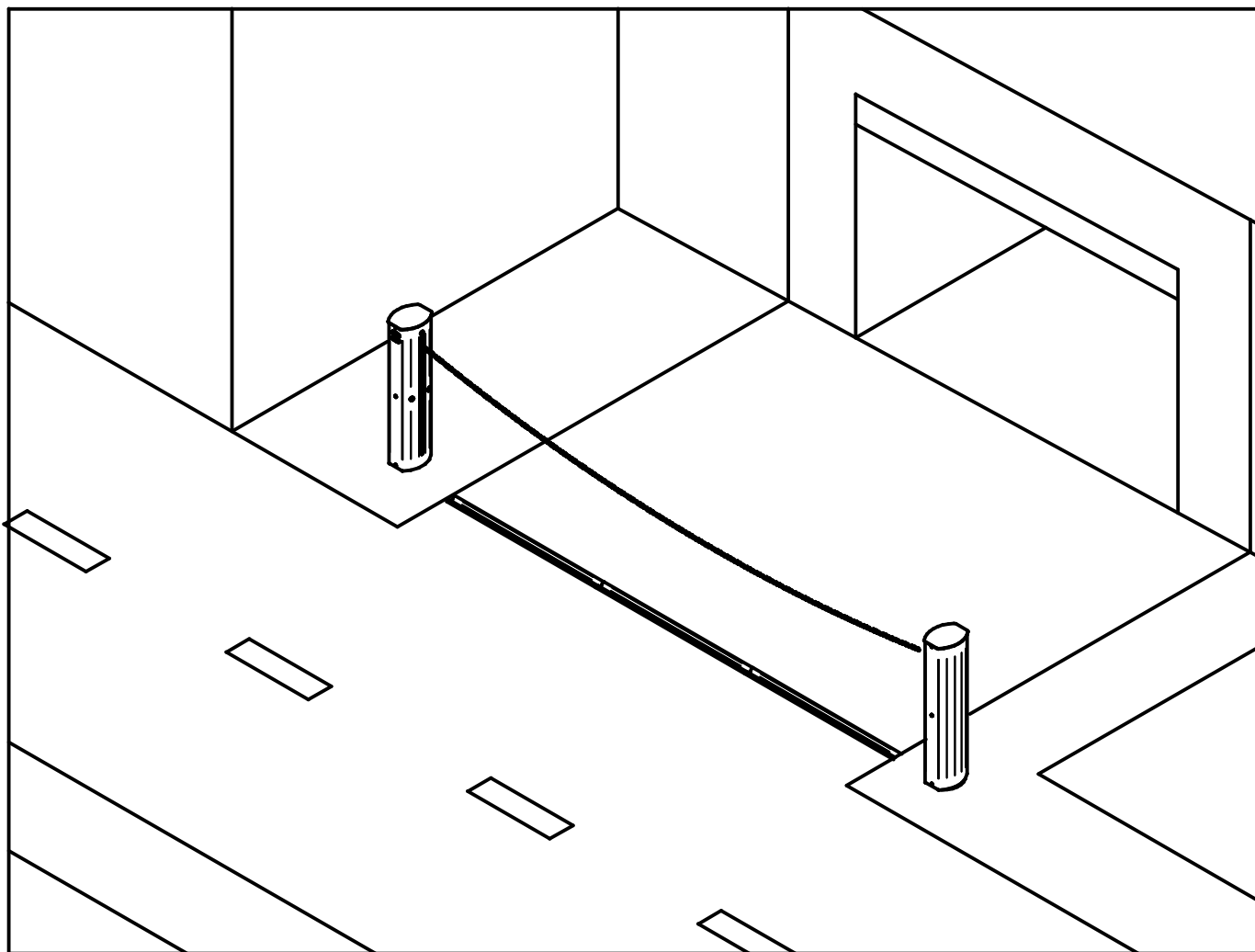


INOX
CHAIN



BATTERY
OPTION

INSTALLATION ARRANGEMENT



Arrange installation of chain barrier automation laying down ducts for cables, foundation plates and optional ground guide for chain.

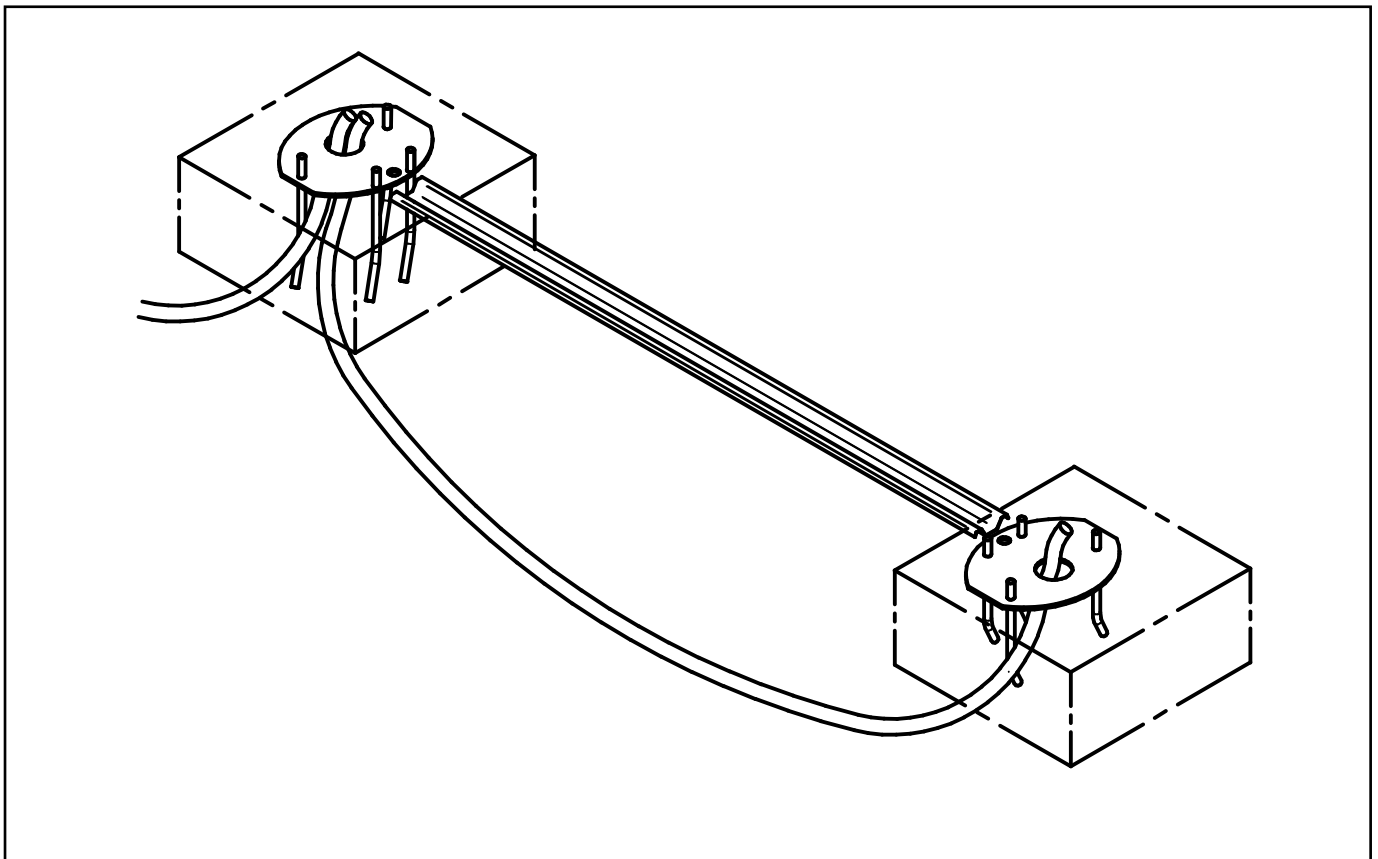
Be careful ! : lay down the base plate with the correct orientation.
The 2 nearer holes on the base plates have to be on the inside of the driveway !

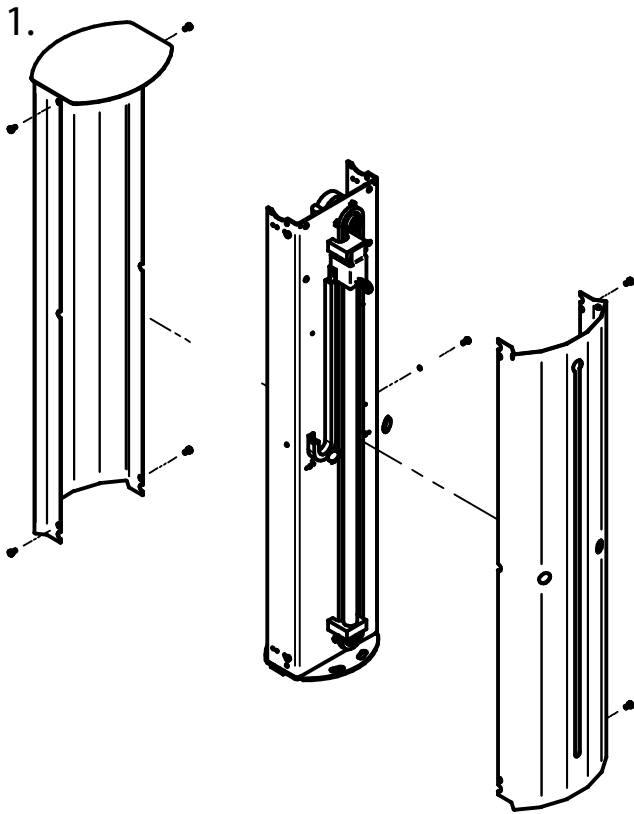
Lay down the ducts for cables :

- 25 mm diameter duct (or larger) for power supply to the MASTER column
- 25 mm diameter duct (or larger) for cables between MASTER and SLAVE column

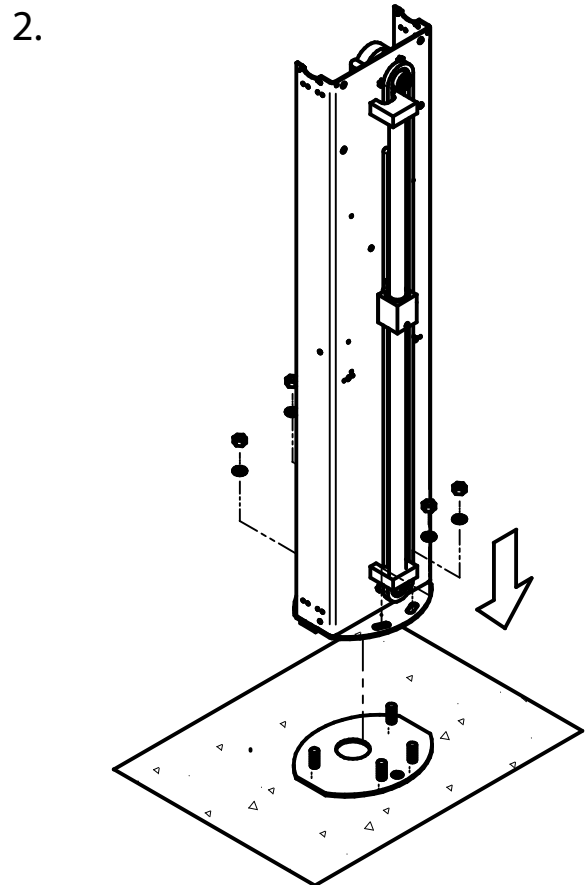
Route those cables for the automation :

- 2x1+GY for power supply to the control unit on the MASTER column
- 2x2,5 for power supply to the gearmotor on the SLAVE column
- 2x0,5 for optional blinker
- 2x0,5 for optional LED lighth to enlighth the chain on the SLAVE column
- 2x0,5 for optional photocell transmitter on the SLAVE column

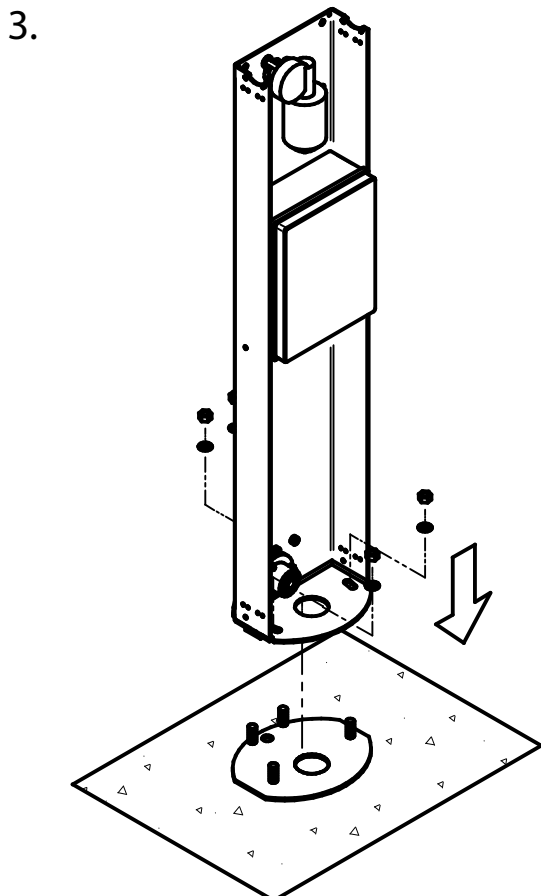




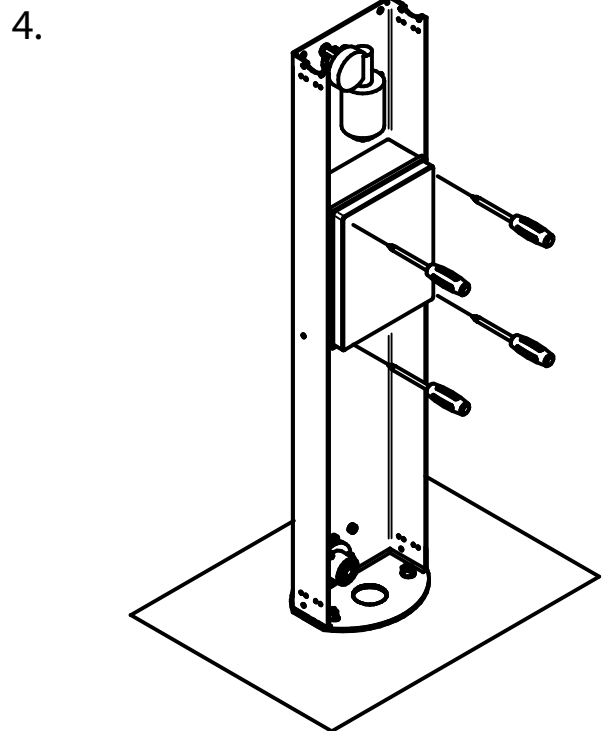
1. Unbolt the 3 M5 inox screws on each side of the chain barrier. Remove the 2 inox side lids. Unbolt the 4 M5 inox screws on each side of the chain barrier. Remove the front and rear lids.



2. Insert the SLAVE column on the foundation plate and join the barrier to the foundation plate with the 4 nuts and 4 washers supplied in the box.

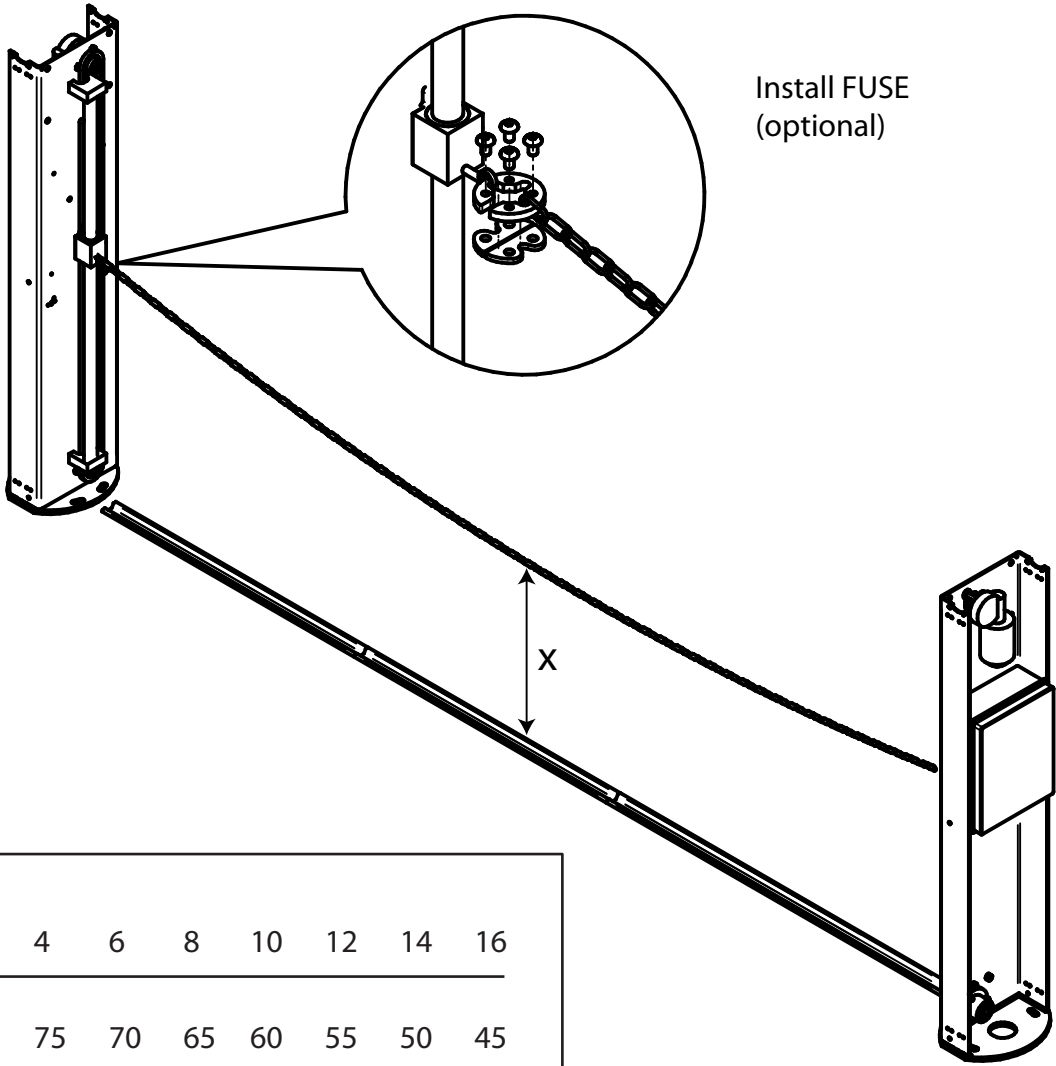


3. Insert the MASTER column on the foundation plate and join the barrier to the foundation plate with the 4 nuts and 4 washers supplied in the box..



4. Open the waterproof box that contains the control unit.

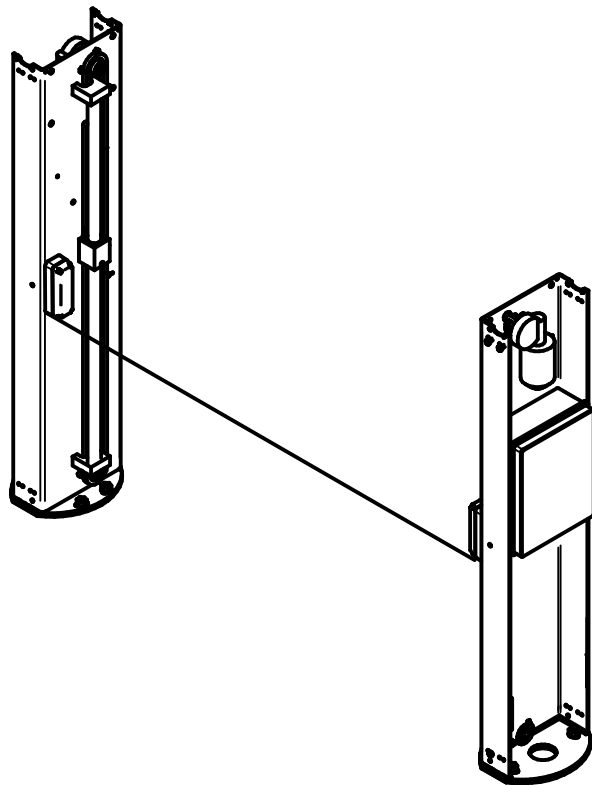
5.



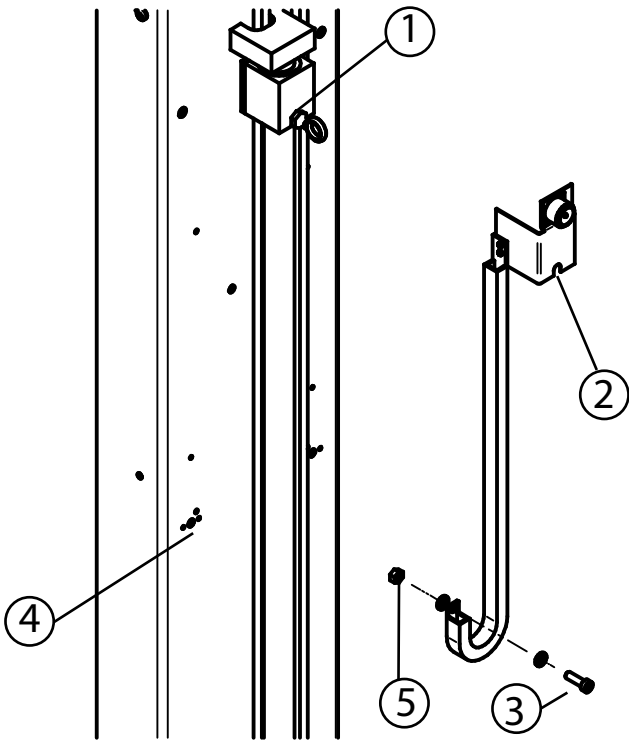
Chain length (m)	4	6	8	10	12	14	16
Chain height X (cm)	75	70	65	60	55	50	45

6.

Install photocells
(optional)

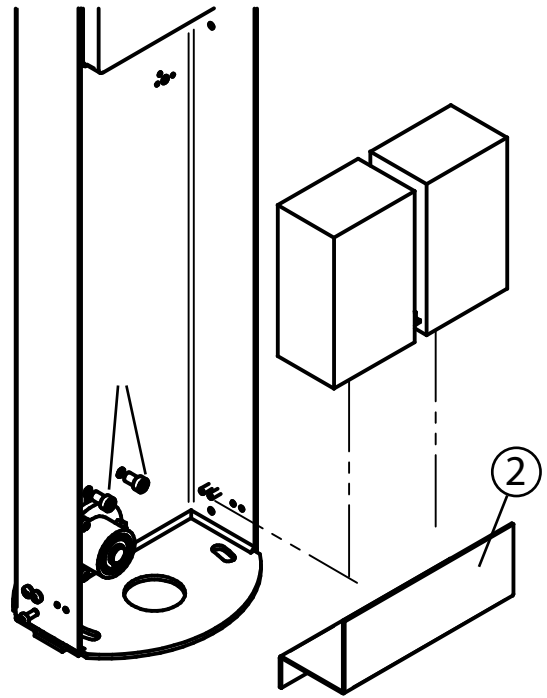


7. LED light (optional)



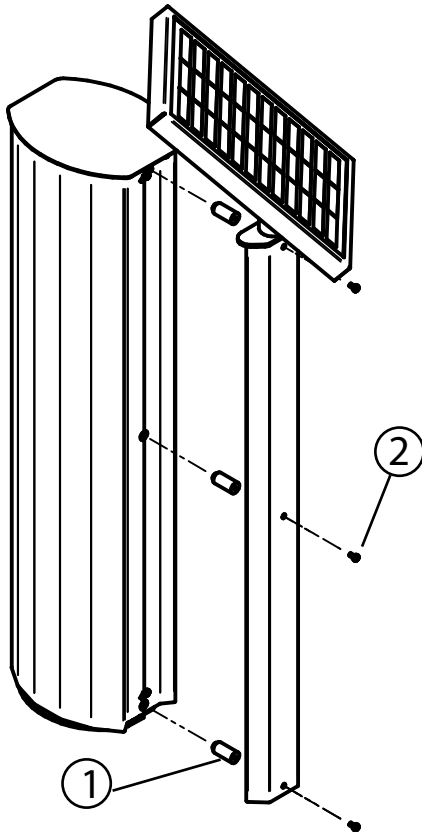
Loose the nut (1) and put LED light support slot (2) on the eyebolt and bolt again the nut (1).
Join the track for cable to the column with the screw (3) and nut (4) trough the hole (4).

8. BATTERY PACK (optional)



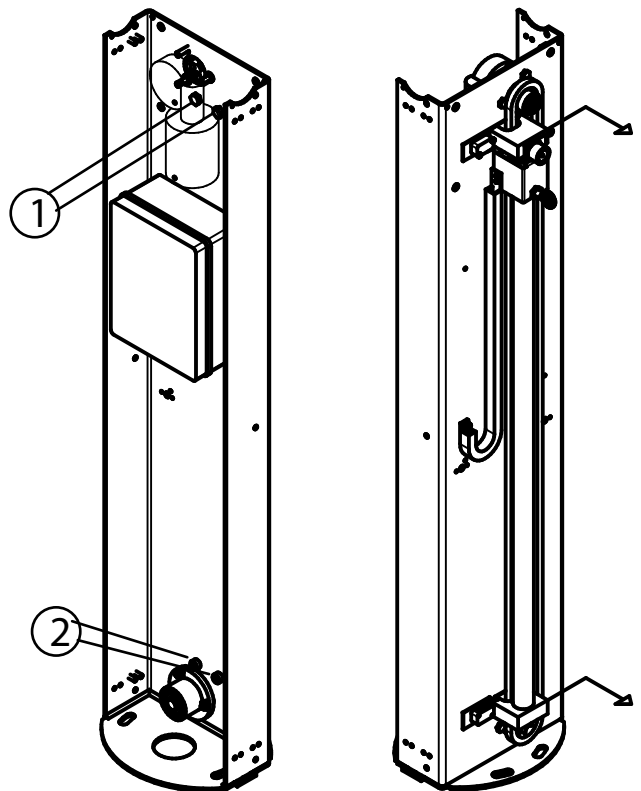
Loose 2 screws (1) and put the "Z" shaped support on the column and bolt again the screws (1)
Insert the batteries on the support.

9. SOLAR PANEL (optional)



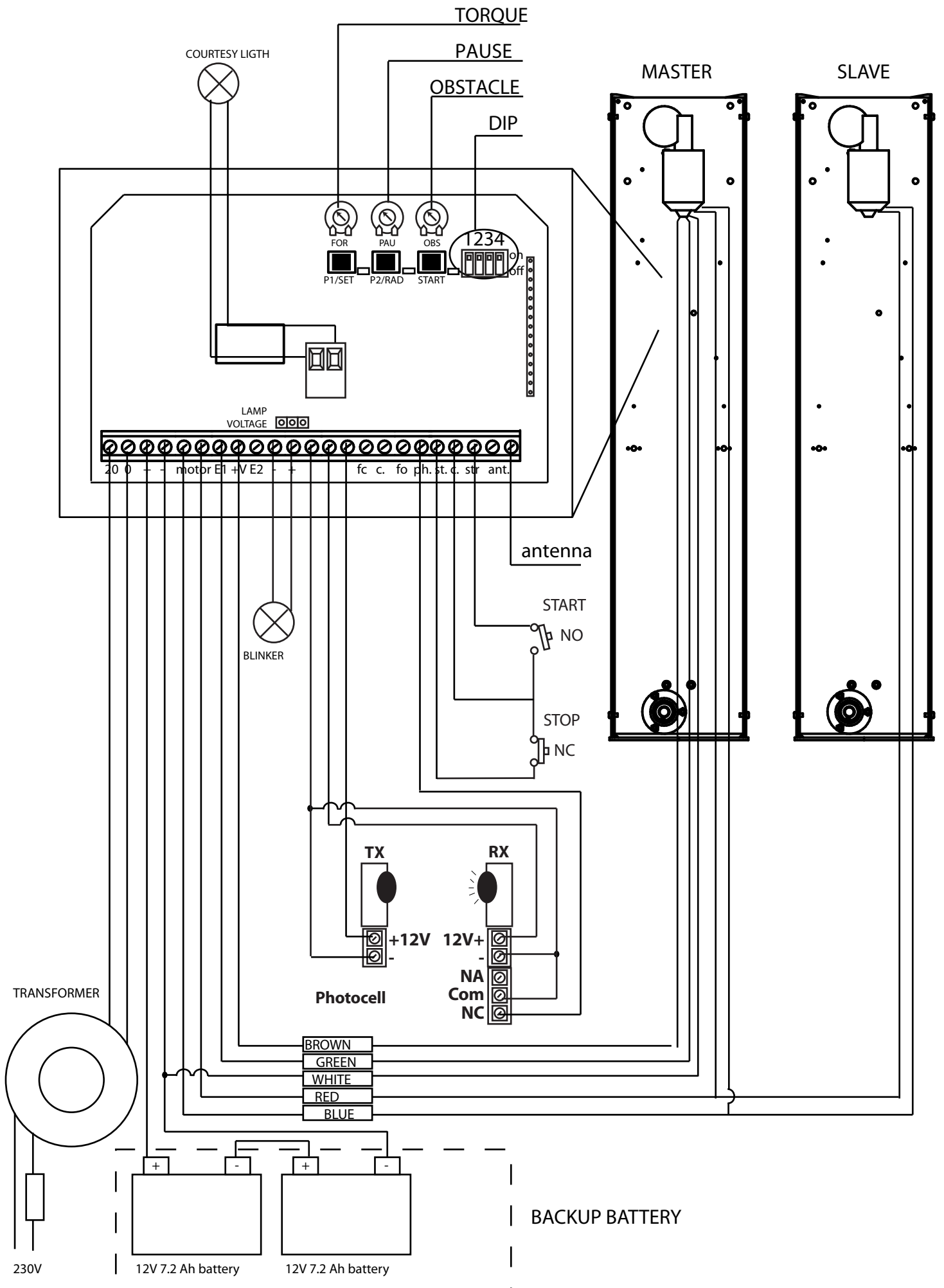
Remove the aluminium spacers insalled on the chain barrier and replace with the new ones (1).
Wire the cable from the solare panel to the solare charger. Join the solar panel to the column with the 3 screws (2)

10. LIMIT SWITCHES (optional)

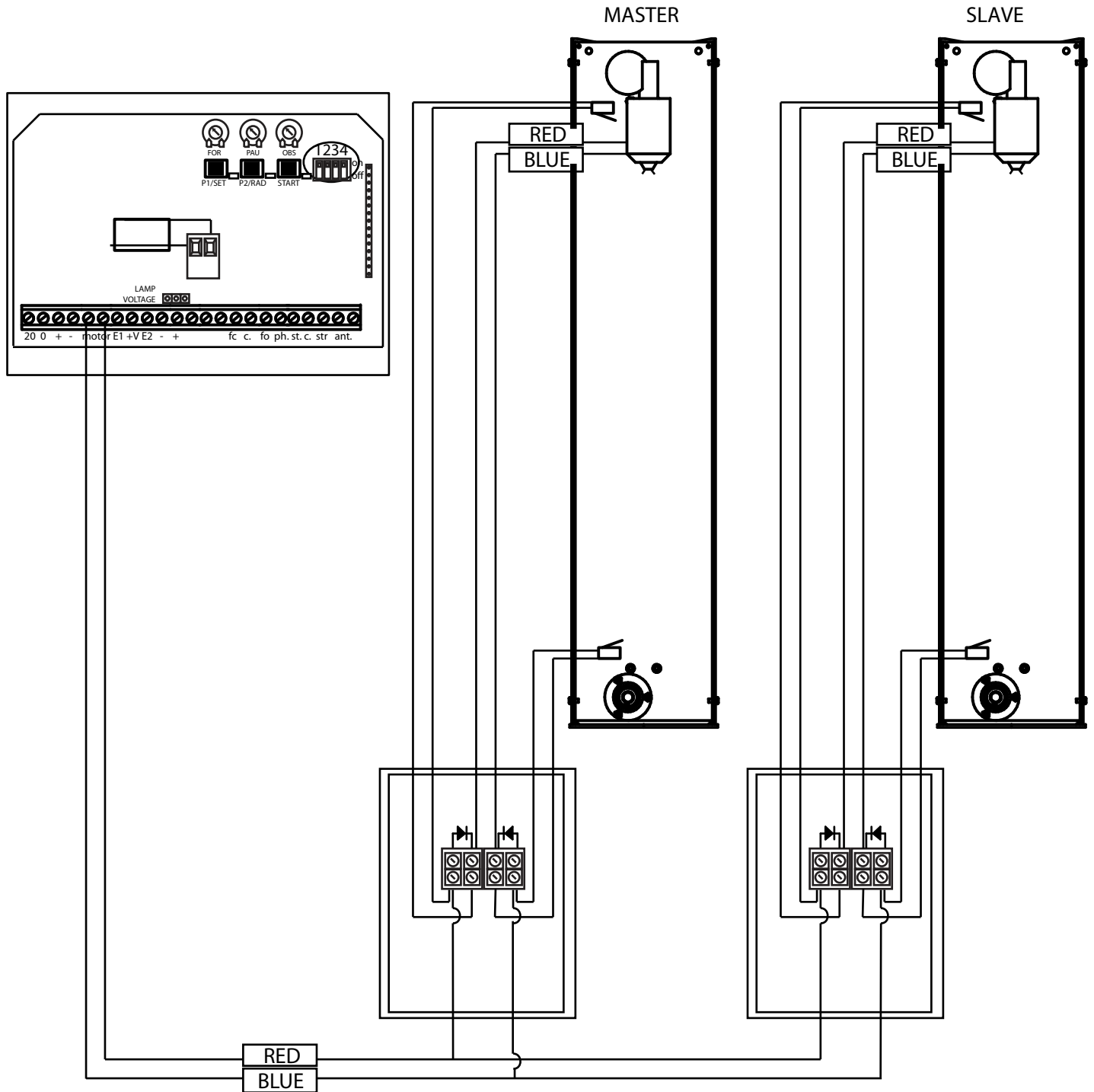


Loose screws (1) and (2) for 2-3 millimeters (maybe you need to remove waterproof box on MASTER column). Pull away the 2 supports for the chromed bar. Put OPEN and CLOSE micro between supports and column. Bolt again screws (1) and (2).

11. WIRING SCHEMATIC

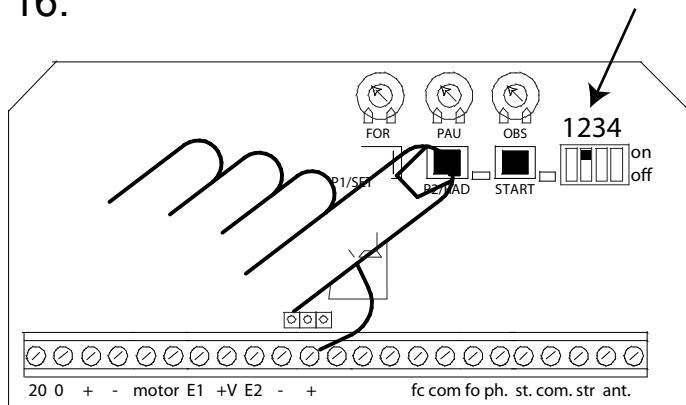


15 . LIMIT SWITCHES (OPTIONAL)



MOUNT THE LIMIT SWITCHES AS SHOWN (SEE POINT 10. OF THIS MANUAL)
 WIRE LIMIT SWITCHES AS SHOWN IN SCHEMATIC.
 PROGRAM AGAIN THE CONTROL UNIT (SEE POINT 17. OF THIS MANUAL)

16.



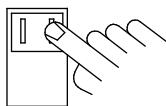
PROGRAM RADIOTRANSMITTER

Power on the control unit and check that DIP 2 is in ON position. Push P2/RAD button for 2 sec.: led turn on , the learning procedure is activated

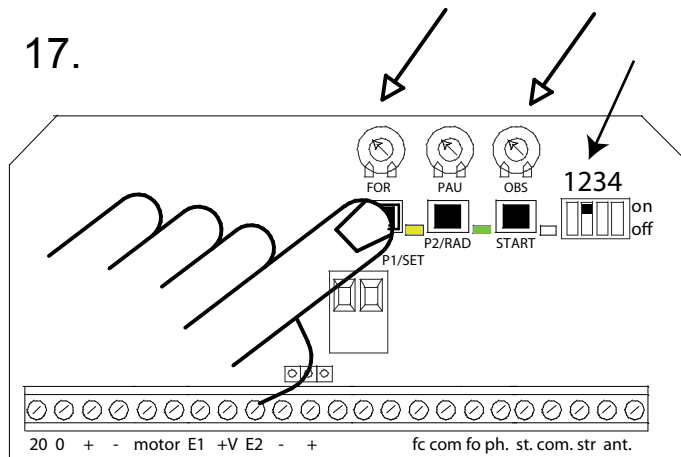
Transmit the radio code pushing the button on the transmitter, the red led on the control unit blinks slowly

The red led turns off when the code is recognized and inserted in memory.

Transmit the radio code of another transmitter if you want. Push P2/RAD button or wait 10 seconds without pushing any button on radiotransmitters to exit from the procedure, the red led turns off.



17.



CONTROL UNIT PROGRAMING

- Check thath dip switch DIP2 is in ON position.
- If the chain barrier is working with optional SOLAR PANEL push the button on the radiotransmitter that you have inserted in radio receiver memory (check point 15.) to power on the AURA control unit, if not continue with the next point
- the red led on AURA control unit will blink fast
- put trimmer FOR and trimmer OBS in half position
- push the button P1/SET for 3 seconds , then release it, at this point the led will turn on
- push the P1/SET button for 1 second.
- The chain barrier will do :
 - slowly opening for some seconds
 - slowly closing until the chain reaches the top position
 - complete opening untile the chain reaches bottom position.
 - 1 second pause
 - complete closing until the chain reaches the top position again.
- The programming procedure is complete.

18. WORKING MODE SELECTION

1234



CONDOMINIUM MODE

Set dip 3 in ON and dip 2 in OFF position.

In this way if the control unit receives a START command by the radiotransmitter or STR input the barrier :

- open with the force and speed selected by "FOR" trimmer
- opening procedure stop when the barrier reaches the limit switch or a obstacle is detected or time is over. Further START commands during opening are ignored.
- when the barrier is in PAUSE further START command reset the pause time that restart from zero.
- when the PAUSE time is over the barrier begin the closing procedure with the force and speed selected by the "FOR" trimmer. Further START command during closing stop the closing procedure and begin a opening procedure.
- closing procedure stop when the barrier reaches the limit switch or a obstacle is detected or time is over.

1234



STEP BY STEP MODE WITH AUTOMATIC CLOSE

Set dip 3 in OFF and dip 2 in ON position.

In this way if the control unit receives a START command by the radiotransmitter or STR input the barrier :

- open with the force and speed selected by "FOR" trimmer

- opening procedure stop when the barrier reach the limit switch or a obstacle is detected or time is over.
- further START commands during the opening procedure work as STOP command
- when the barrier is in PAUSE further START command start a closing procedure.
- further START commands during the closing procedure work as STOP command
- closing procedure stop when the barrier reaches the limit switch or a obstacle is detected or time is over.

1234



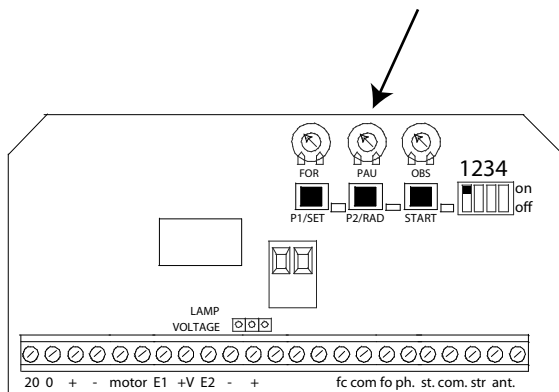
STEP BY STEP MODE

Set dip 3 in OFF and dip 2 in ON position.

In this way if the control unit receives a START command by the radiotransmitter or STR input the barrier :

- open with the force and speed selected by "FOR" trimmer
- opening procedure stop when the barrier reaches the limit switch or a obstacle is detected or time is over.
- further START commands during the opening procedure work as STOP command
- when the barrier is in full open position a further START command starts a closing procedure.
- further START commands during the closing procedure work as STOP command
- closing procedure stop when the barrier reaches the limit switch or a obstacle is detected or time is over.

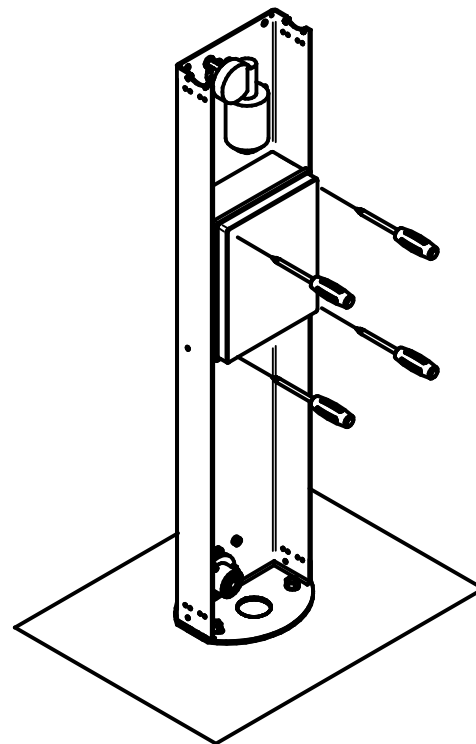
19.



PAUSE TIME ADJUSTMENT

If you have selected working modes with PAUSE TIME and automatic close or condominium mode it's possible to adjust the time
 è possibile regolare il tempo di pausa dopo il quale la barriera si richiude automaticamente agendo sul trimmer PAU. Ruotare in senso orario per aumentare il tempo di pausa. Ruotare in senso antiorario per diminuire il tempo di pausa.

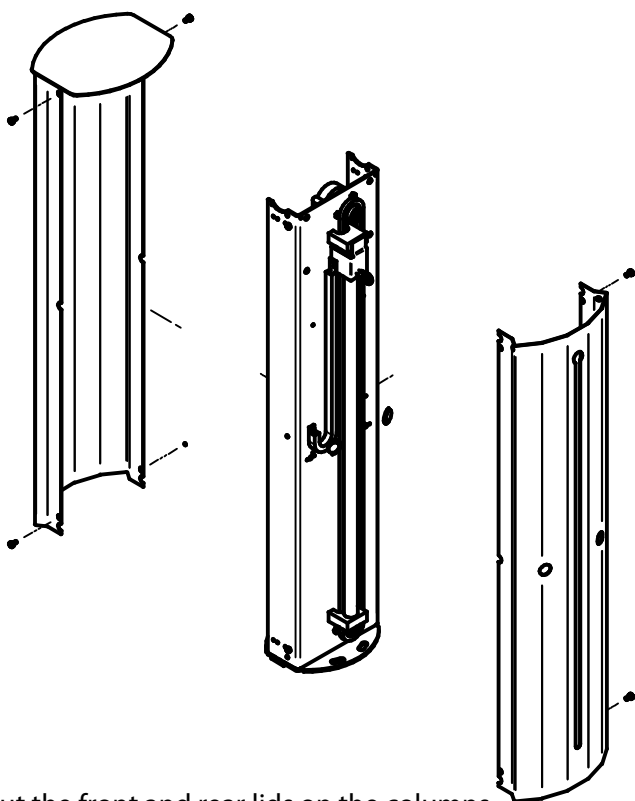
20.



Close the junction box that contains the control center.

Seal any holes made during installation to prevent ingress of moisture and insects in the sealed box.

21.



Put the front and rear lids on the columns.
 Bolt the 4 M5 inox screws on each side of the chain barrier.
 Put the 2 side lids.
 Bolt the 3 M5 inox screws on each side of the chain barrier.