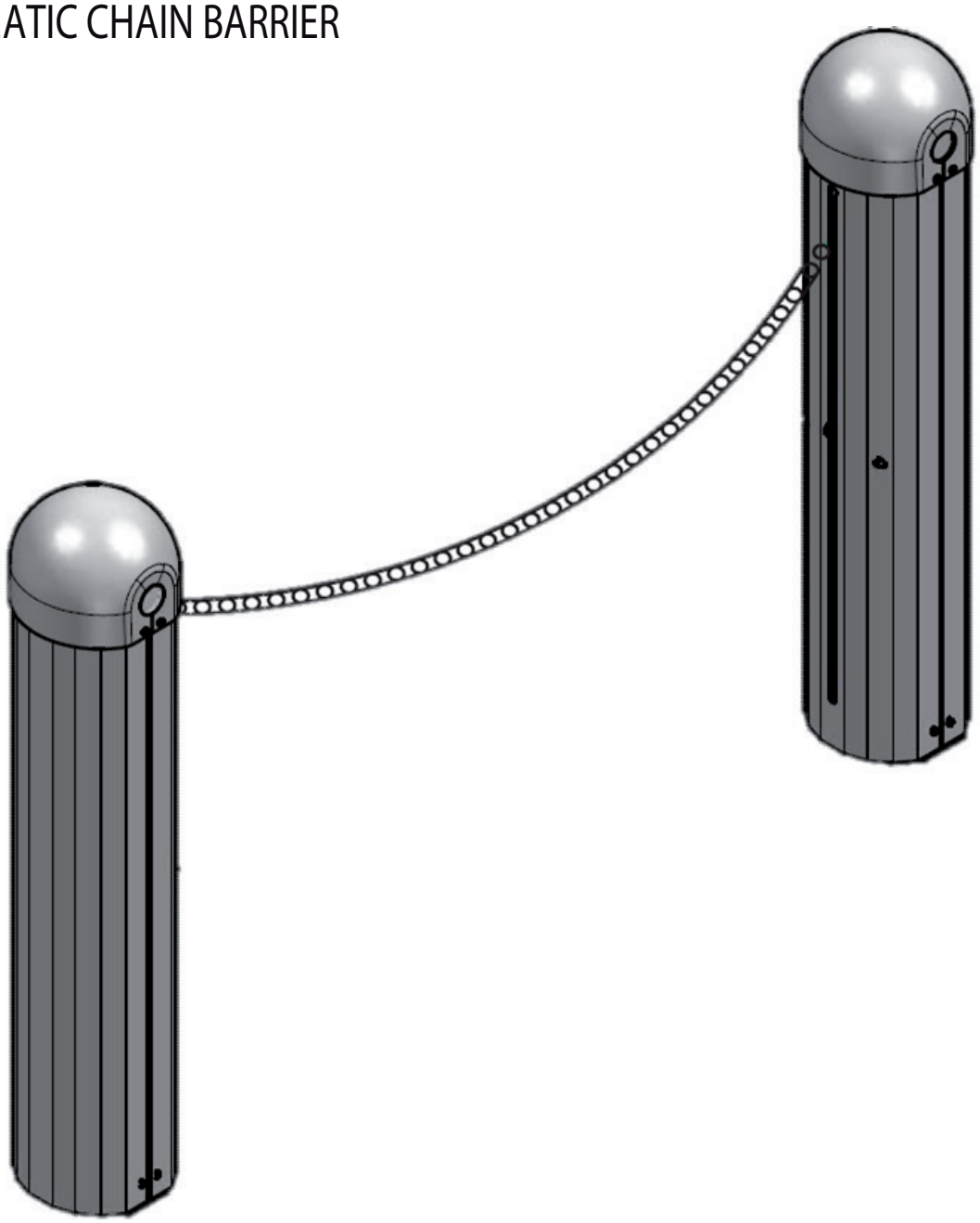
AUTOMATIC CHAIN BARRIER



ARRANGEMENT AND MECHANICAL INSTALLATION

DESCRIPTION

MASTER	column for automatic chain barrier with controls for 2 motors 24Vcc, radio receiver, 2 flashing lights and courtesy light.
SLAVE	

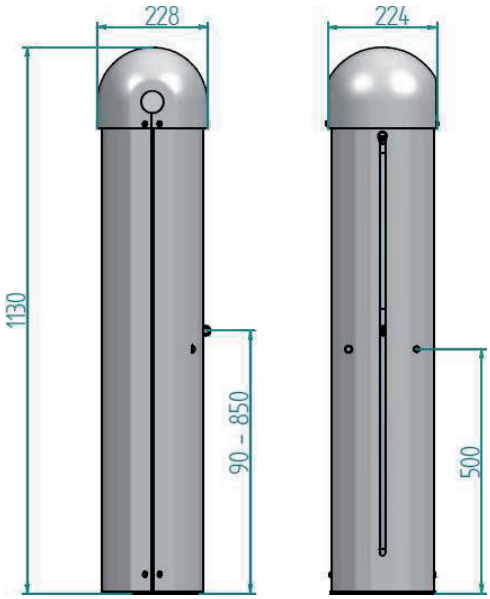
Intended use

The automatic chain barrier is designed to regulate the crossing of cars in public and private contexts. Any installation and use other than those indicated are to be considered forbidden.

Technical data

CENTRAL CONTROL POWER SUPPLY	230 V~/50Hz
MOTOR POWER SUPPLY	
ABSORPTION	1 A
ENGINE POWER	
ENGINE TORQUE	645 Ncm
SERVICE CLASS	intensive
CYCLE (WORK/PAUSE)	50%
EXERCISE	-20 °C / +50 °C
DEGREE OF PROTECTION	IP 55
LUBRICATION	permanent
WEIGHT	25 Kg

Dimensions (mm)



Chain configuration

chain length (m) /
chain height (cm)

4	6	8	10	12	14	16
75	70	65	60	55	50	45

Description of parts

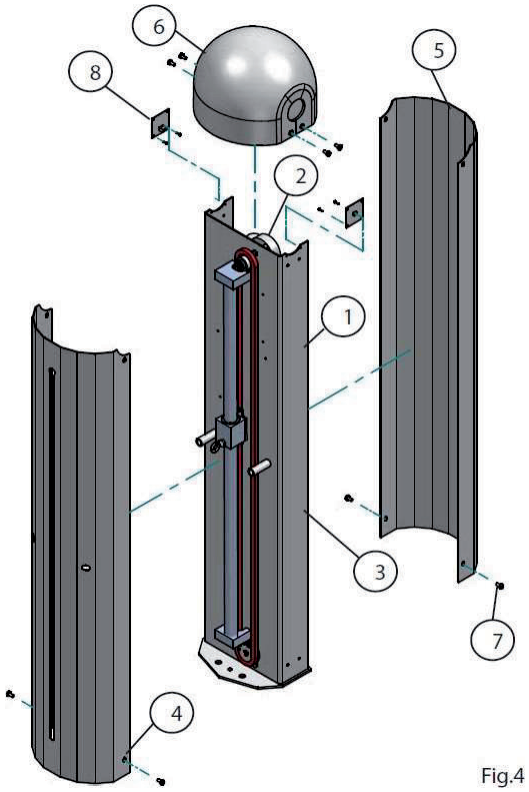
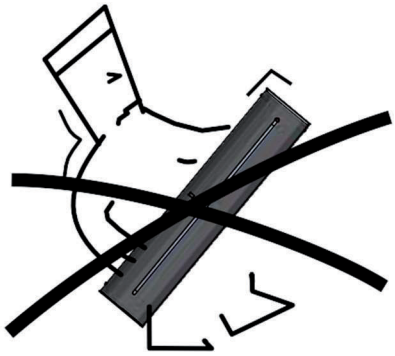
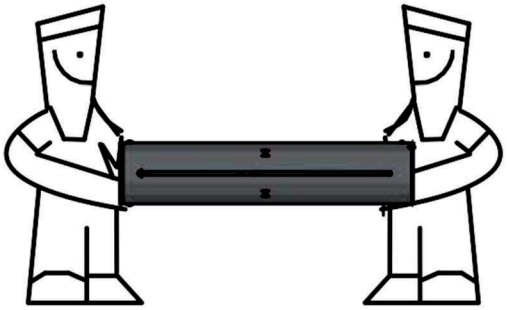
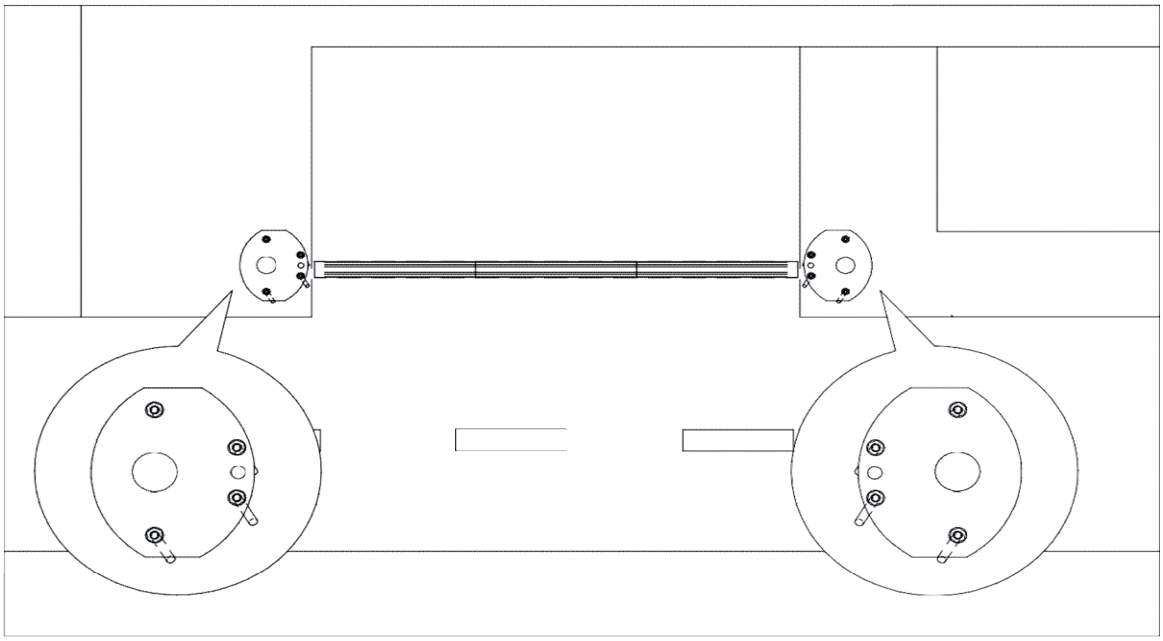


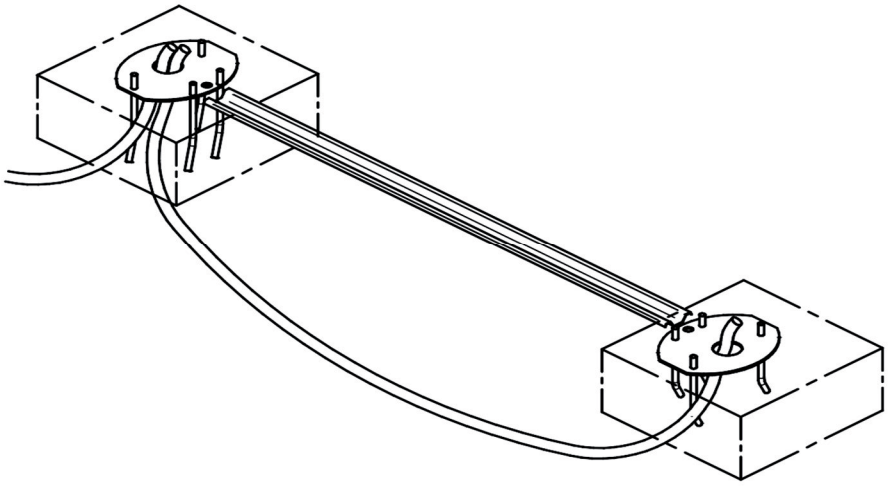
Fig.4

1 - central column
2 - gearmotor with encoder
3 - control unit
4 - front cover
5 - Rear cover
6 - top cover
7 - screw M5x12
8 - Flashing
9 - Photocells





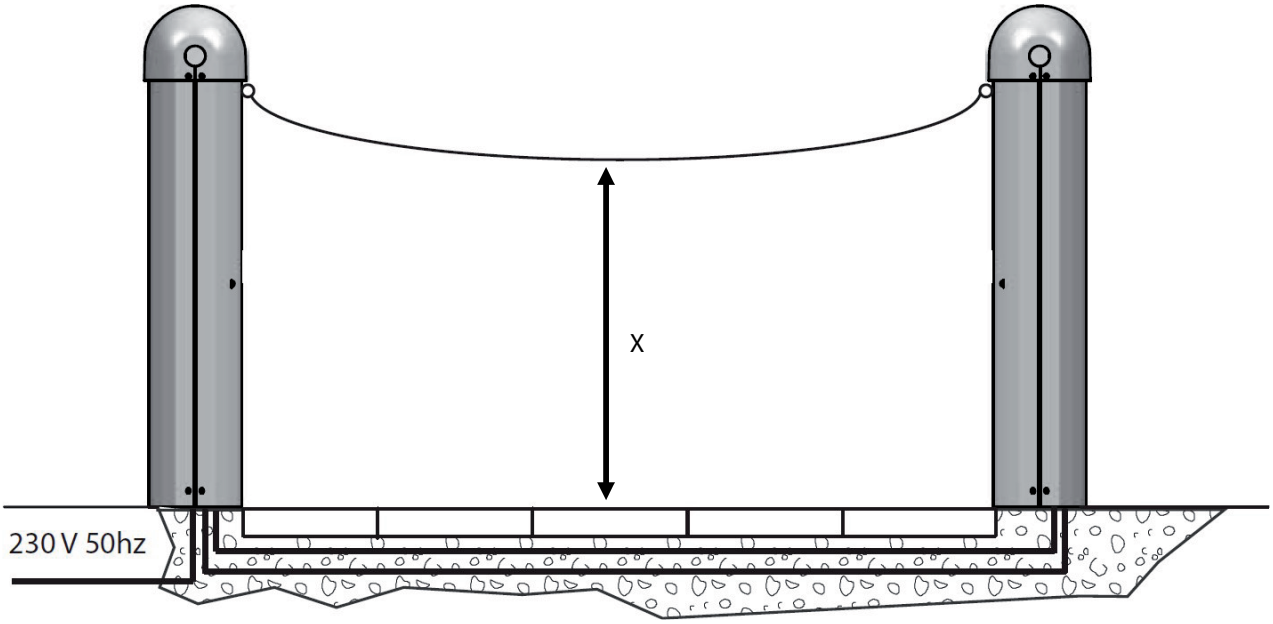




Cable preparation

- 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 supplying the chain lighting LED (optional)
- 2x0,5 for optional photocell transmitter on the SLAVE column

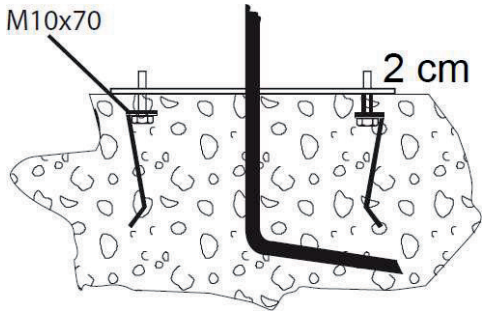
INSTALLATION



System preparation

	Galvanized foundation plate to be walled with ground anchor
	Floor chain protection guide. height from the ground 30mm
	Built-in chain protection guide

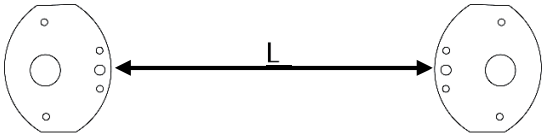
Check the stability and strength of the anchorage zone of the central column. connects the power supply to a bipolar switch with a minimum contact opening distance of 3mm. The connection to the network must be on an independent channel and separated from the connections to the safety and control devices.

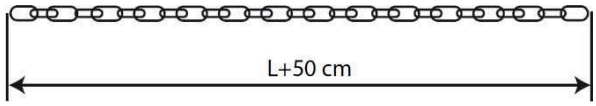


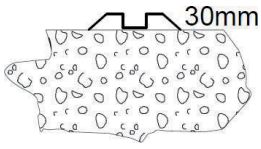
Tighten to the base the 4 screws M10X70 by 1.5-2 cm provided. Drown the plate and the screw heads in a concrete pad.

Make sure that the plate is correctly oriented with the cable entry hole facing outwards (as shown in the picture).

Tie the head of the screws to the reinforcement of the pitch. The upper part of the plate must be clean and perfectly perpendicular. Insert the cable ducts in the central hole of the plate.

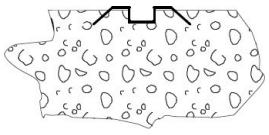




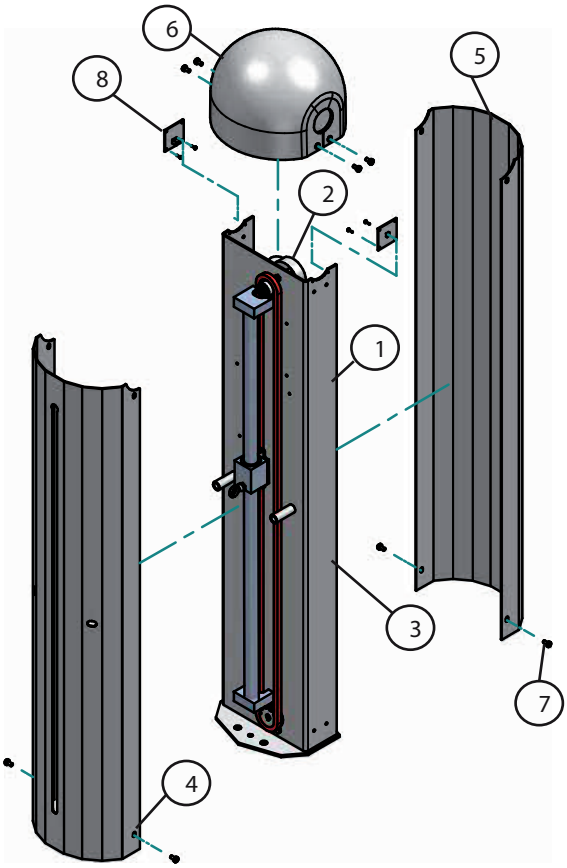


Make sure that the fixing is strong and stable before continuing.

Measure the distance between the plates (L) as shown in the picture. Use the same length for the protection guide.

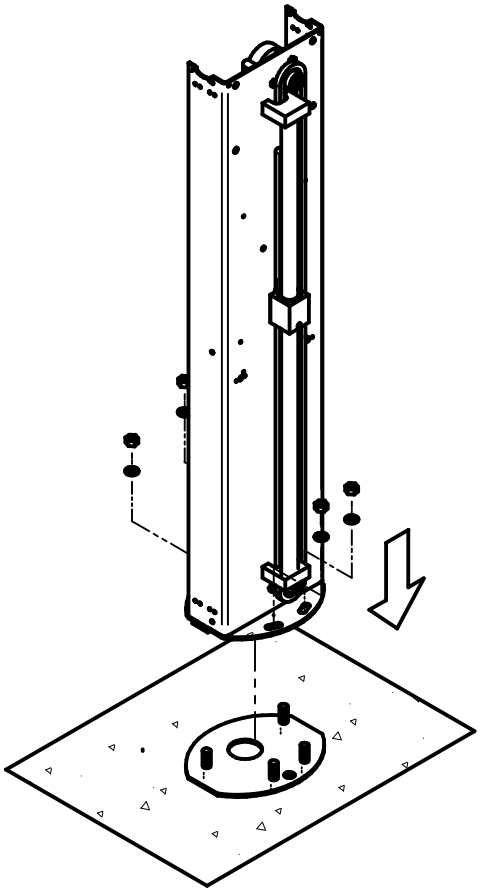


1.



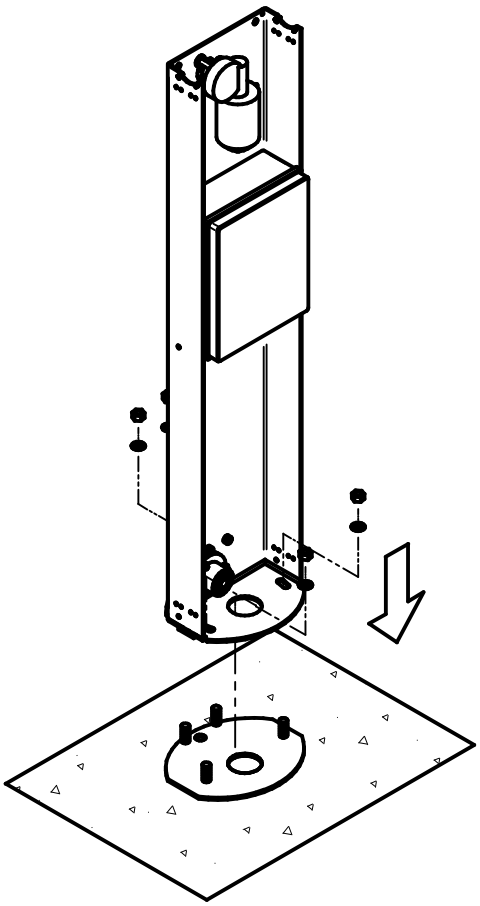
Remove the 2 front and rear covers.
Unscrew the 4 M5 screws on the sides of the chain barrier.

2.



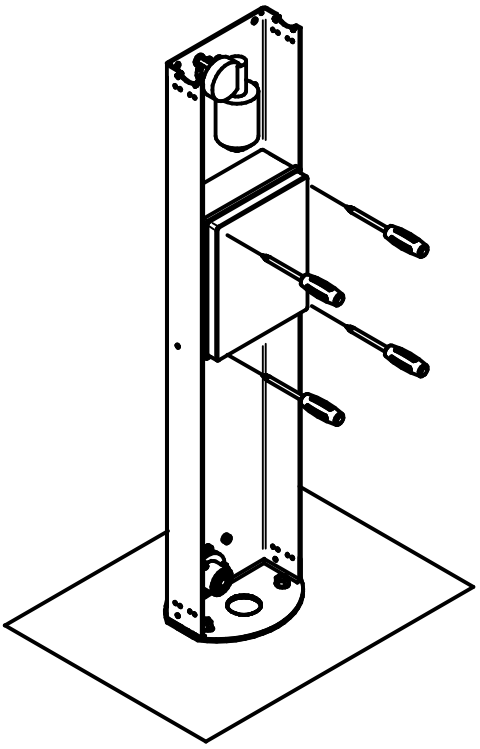
Bolt the SLAVE column (column without control unit) to the foundation base with the 4 M10 nuts supplied, interposing the 4 10x20 washers.

3.

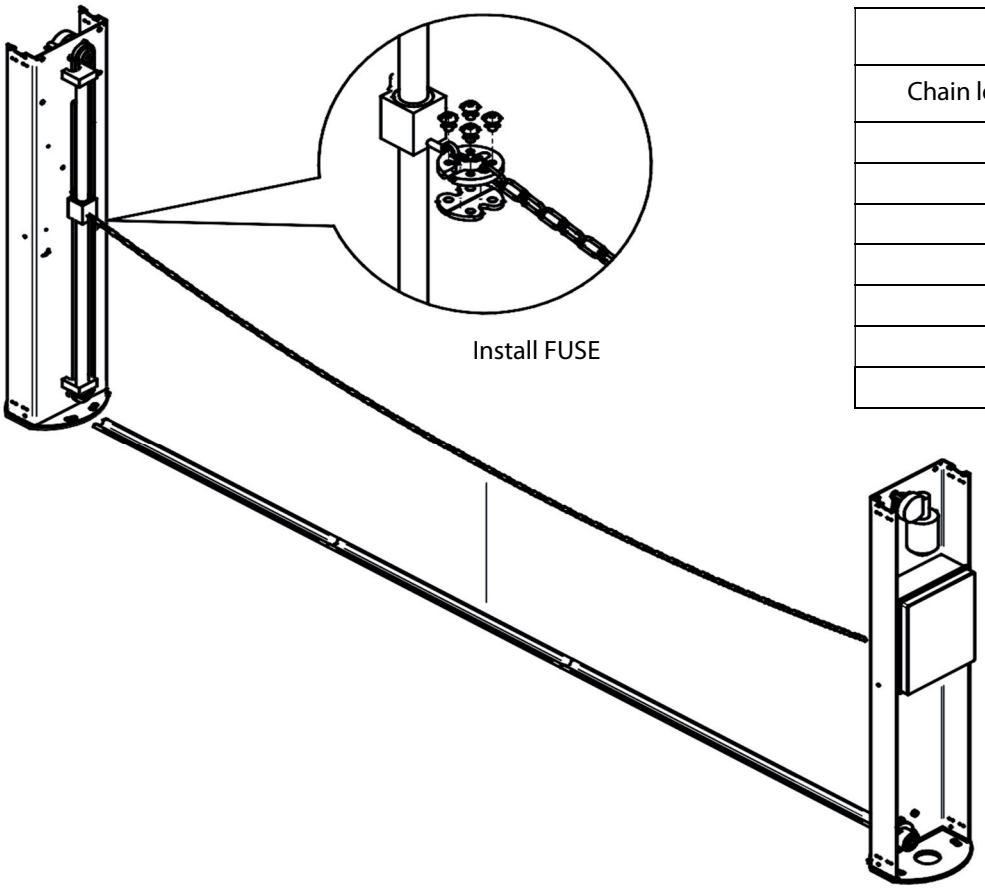


Bolt the MASTER column (column with control unit) to the foundation base with the 4 M10 nuts supplied, interposing the 4 10x20 washers.

4.



Remove the cover of the waterproof box which contains the control unit.



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

INSTALLATION, USE AND MAINTENANCE MANUAL

SAFETY INSTRUCTIONS

- WARNING! -
FOR PEOPLE SAFETY IT IS IMPORTANT TO READ THE FOLLOWING INSTRUCTIONS CAREFULLY.

INSTALLATION WARNINGS

This installation manual is for people in the Industry only. installation, electrical connections and adjustments must be made in accordance with current regulations. Read the instructions carefully before starting the installation. Incorrect installation can be a source of danger. Packaging materials must be placed in the appropriate places for waste and must not be left within the reach of children. Before starting the installation check that the product is in excellent condition. do not install the product in explosive environments: the presence of fammable gases or fumes is a serious safety hazard. Before installing make all the structural changes necessary for protection and safety in general. Verifies that the existing structure has the necessary strength and stability requirements. The manufacturer is not responsible for the work of the installer who does not follow the safety standards in the construction of the frames to be motorized. The manufacturer is not responsible for deformations that may occur during use. The safety devices must be installed according to the regulations in force, the installation environment and the system operating logic. The safety devices must protect any areas of crushing or danger in general. Apply the warnings required by the current regulation to identify dangerous areas. Each installer must have visible indication of the important data of the door to be motorized. Before connecting the power supply make sure that the data are like the data of the electrical distribution network. Install a bipolar switch / disconnector with contact opening equal to or higher than 3mm on the power supply network. Verifies that upstream of the electrical system there is a good differential switch, an overload protection and a grounding system. During installation, maintenance and repair work, disconnect the power supply before touching the electrical parts. The handling of the electrical parts must be carried out with antistatic conductive bracelets connected to the ground. if the installed components are not safe and are not compatible with the proper system functioning, the manufacturer of the motorization declines all responsibility. For any repair or replacement of the products must be used only original spare parts. The installer must provide all information about automatic, manual and emergency operation of the motorized door and give to the end user with the instructions.

INSTRUCTIONS AND RECOMMENDATIONS FOR END USERS

Keep work areas clear and clean. Check that the action range of the photocells is free. Keep any device out of the reach of children for safety reasons. Check periodically the system to verify any anomalies, signs of wear or damage. Verify that there are no damages to the movable structures, to the automation components, to all the fixing points, to the cables and to the connections. In case of repairs or system settings modifications, disconnect the automation and do not use it until the safety conditions are restored. it is forbidden to carry out maintenance operations that do not follow the safety measures listed above.