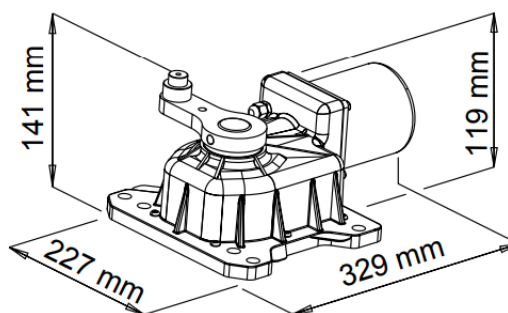
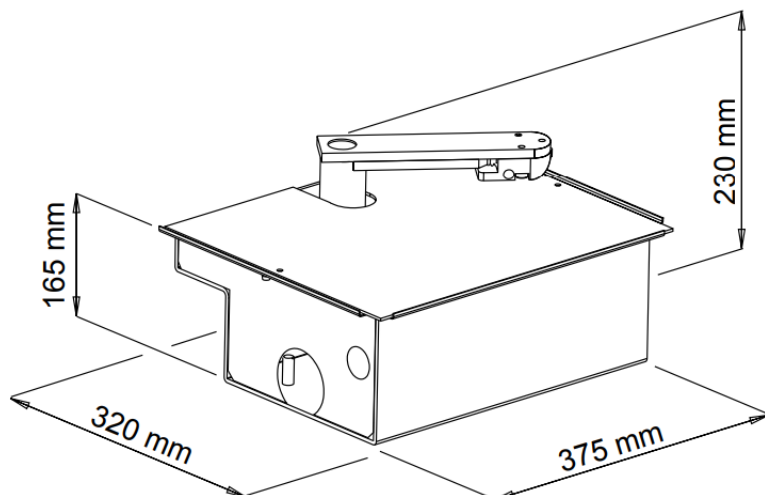




TECHNICAL DATA

	HADES 24V	HADES 230V
Max. Gate Weight	400 Kg	
Max. Gate Width	2,50 mt	
Motor power supply	24Vdc	230Vac
Motor power	50 W	280W
Motor RPM	1800	1400
Condenser	/	12,5 µF
Mechanical unlock for emergency manoeuvre	With Key	
Working temperature	- 20°C + 55°C	
Motor Weight	10 Kg	
Protection Rating	IP 67	
Opening time 90°	16 sec	
Force of thrust	250 Nm	
Motor current input	3 A	1.4 A

DIMENSIONS



WARNING!

Read this manual thoroughly before installing

Our products, if installed by Qualified Personnel, capable of evaluating risks, comply with norms UNI EN 12453, EN 12445



The CE Mark conforms to
European Directive
EEC 89/336 + 92/31 + 93/68 D.L. 04/12/1992 N.476.

CONSIDERATIONS FOR INSTALLATION

The installation and testing operations must be performed solely by qualified personnel in order to guarantee the proper and safe installation of the automatic gate.

The company declines any responsibility for damage caused by incorrect installations due to incompetence and/or negligence.

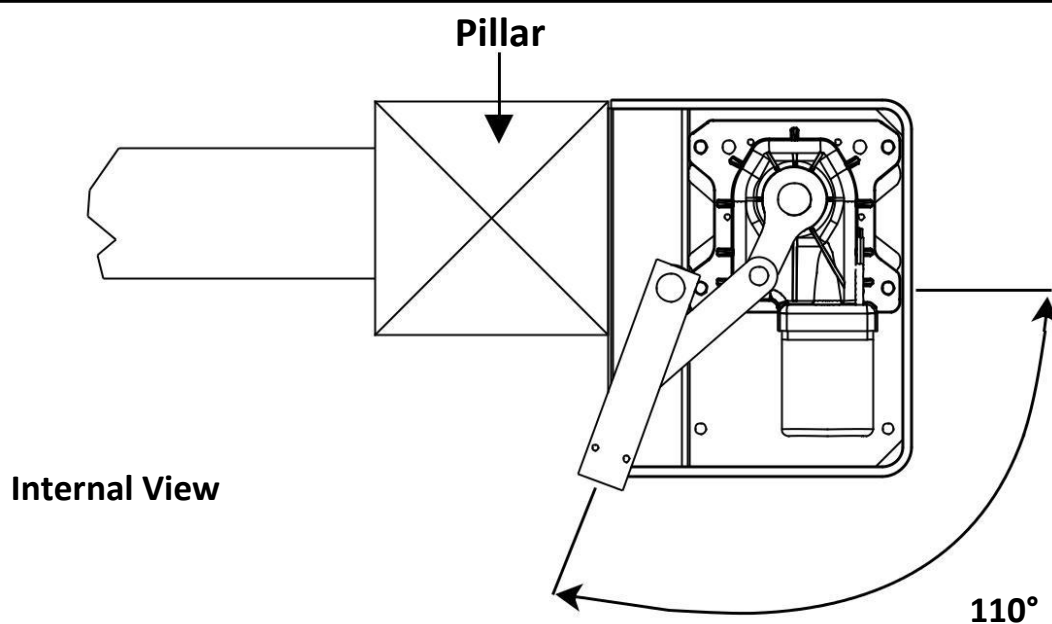
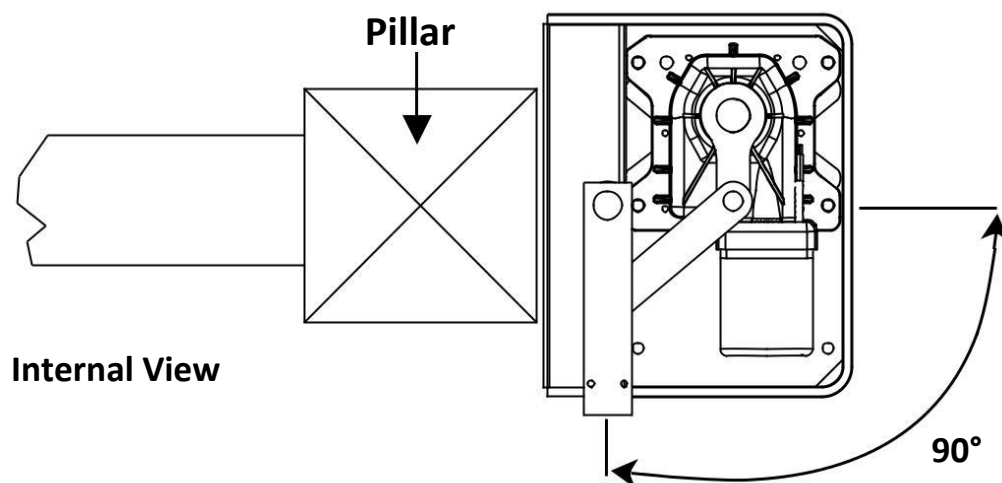
Before assembling the automatism, check that the gate is in perfect working conditions, hangs well on its hinges and is suitably lubricated. It must also comply with the safety standards in effect in the country of installation...

INSTALLATION

Introductory note: Dig a hole big enough to fit the foundation box, calculate the required opening angle, insert the sheath for laying the power cable, make water drainage holes in the ground and cement the box solidly.

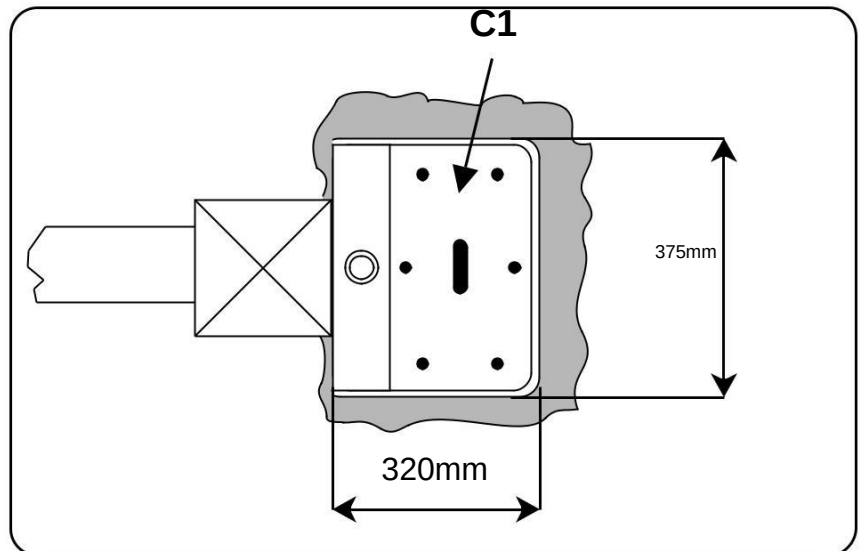
GATE WING OPENING ANGLE

Establish the required opening angle



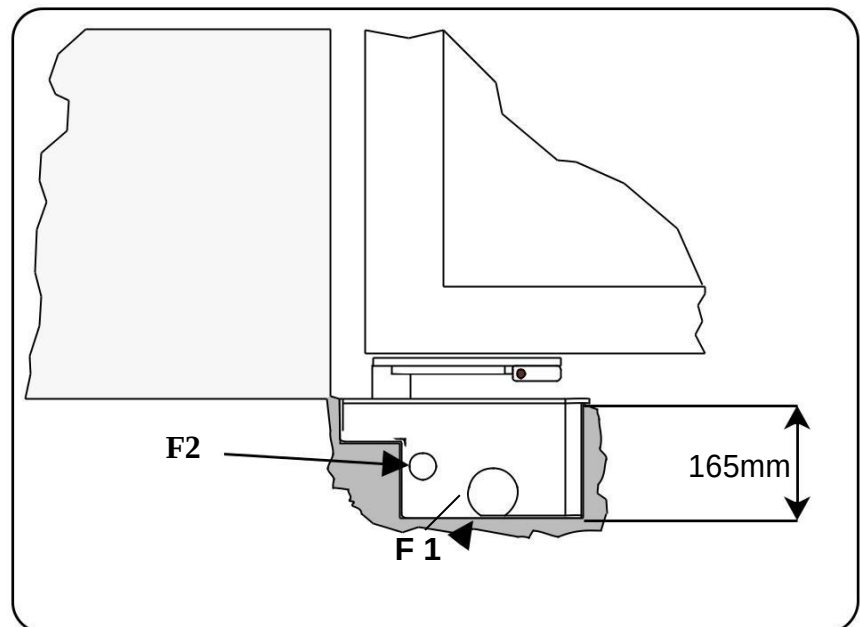
BOX INSTALLATION PROCEDURE

Dig a hole big enough to fit the box containing the operator **(C1)**



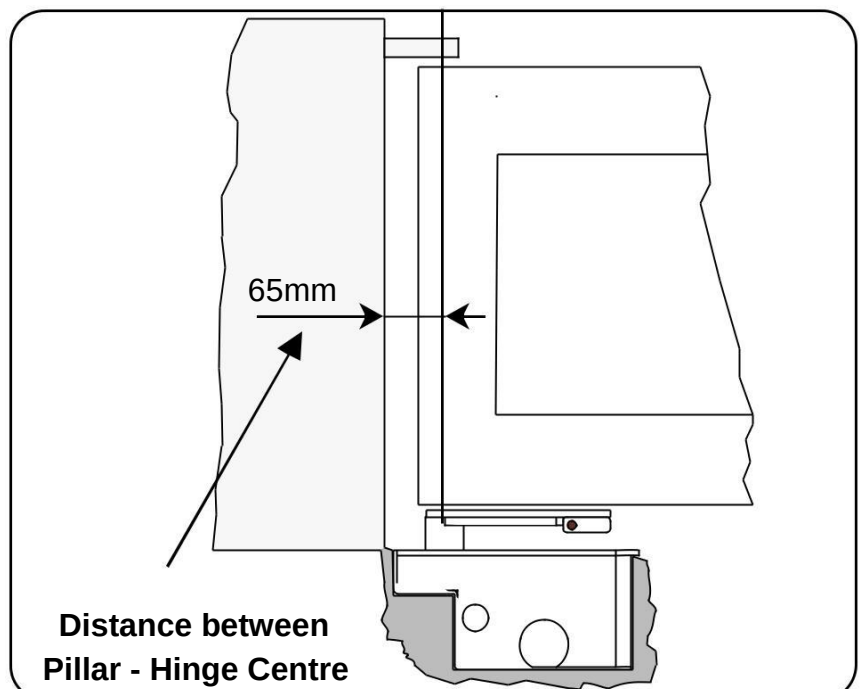
Insert the tube for water drainage in the previously dug hole **(F1)**

Insert the sheath for laying the power cables **(F2)**.



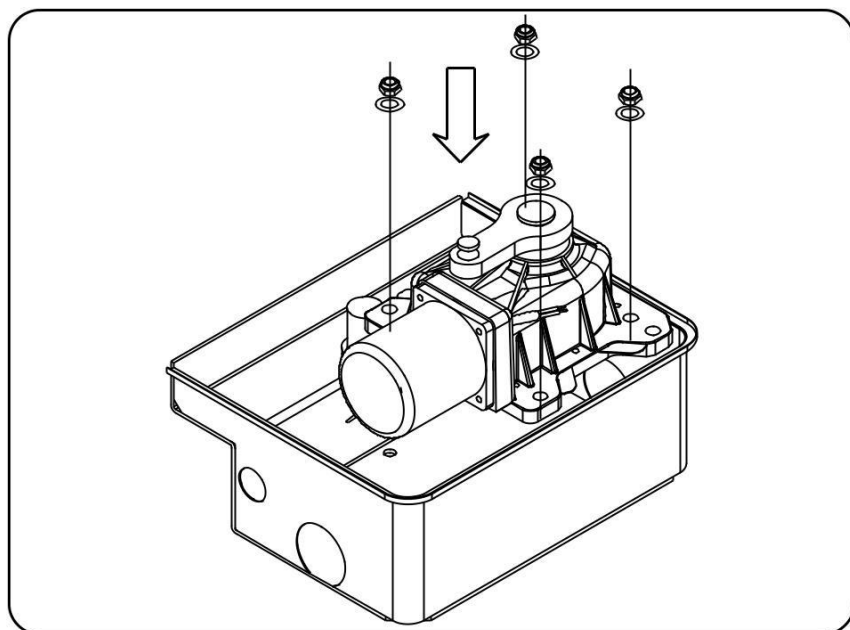
Note: while positioning the box, keep in mind the minimum distance required between the pillar and the centre of rotation of the gate hinge.

Apply cement so that the box cannot be moved. Wait for the cement to dry out, then assemble the operator and levers. **(page 5)**

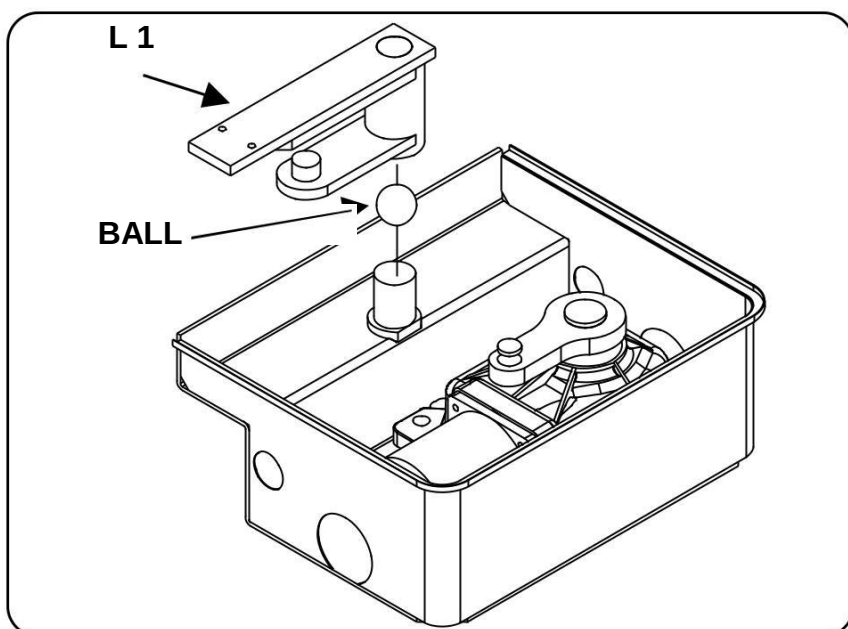


ASSEMBLING THE OPERATOR AND LEVERS

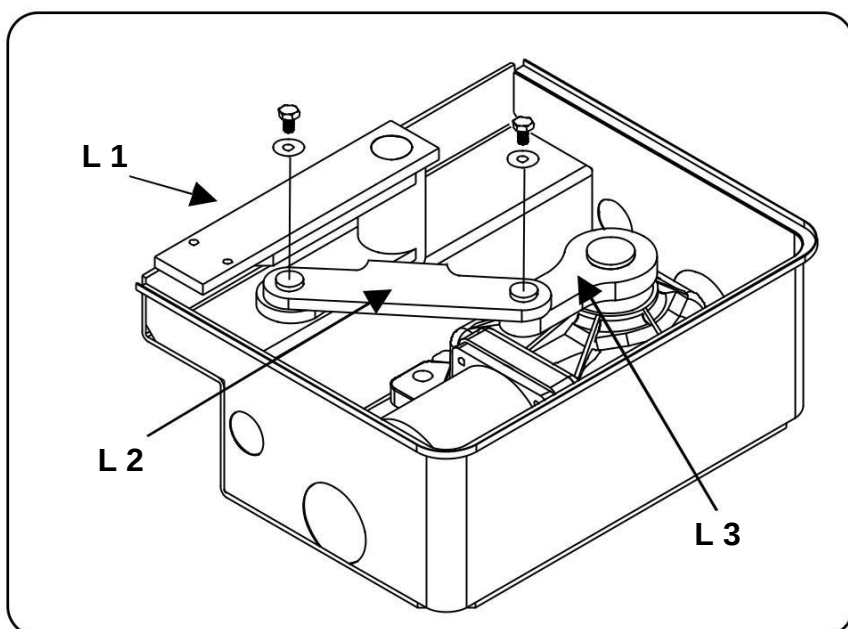
Insert the motor into the foundation box and fix it with the supplied screws



Insert the ball in the pin located on the box and fit the gate anchorage lever (**L1**)

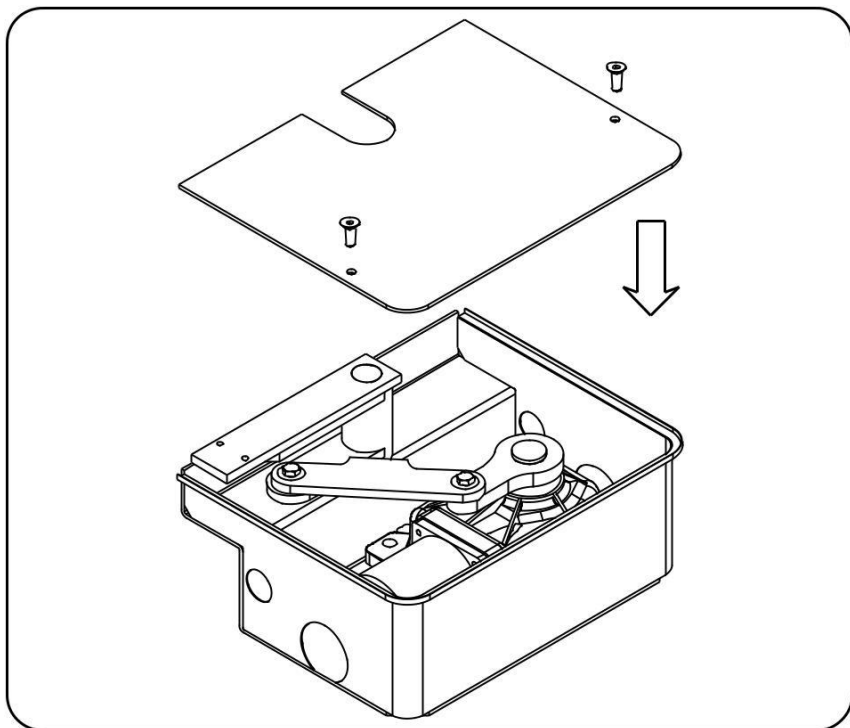


Put the connection lever (**L2**) between the levers (**L1**) and (**L3**) and block it with screws supplied

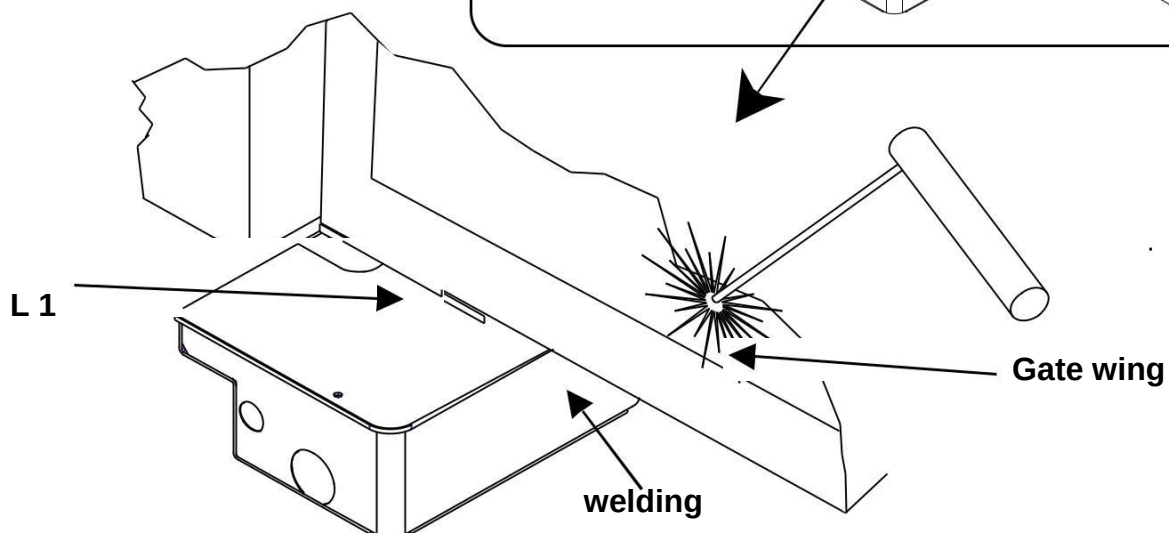
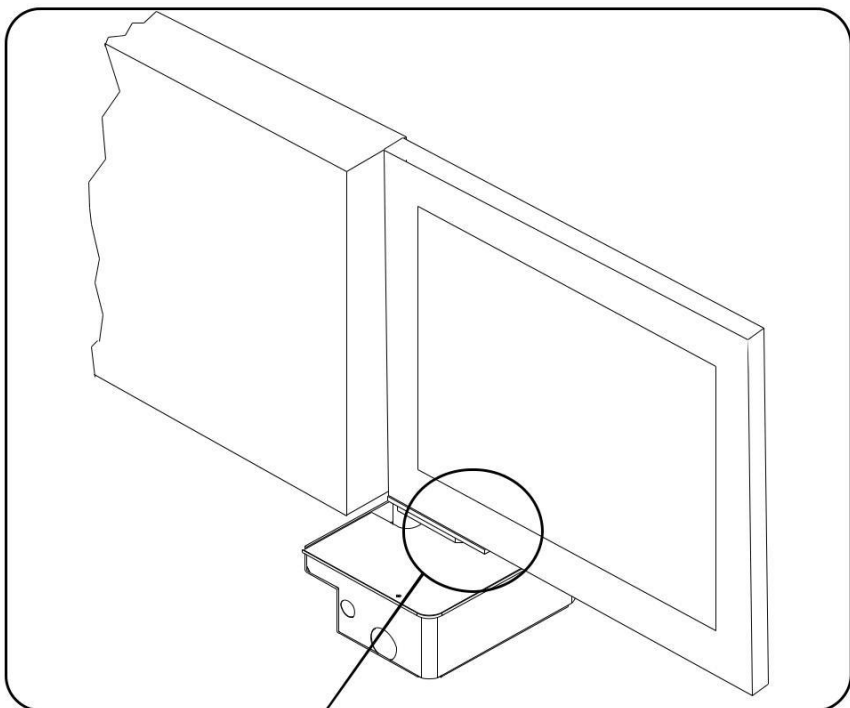


FIXING THE OPERATOR LEVER TO THE GATE

Insert the cover and fix it with the screws provided



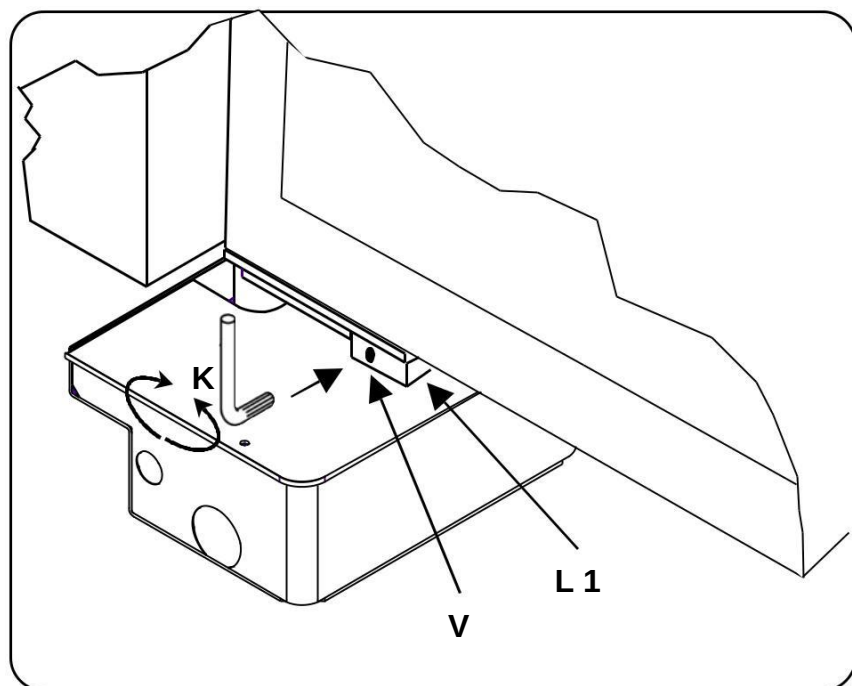
Position the gate wing and the lever (**L1**) so that they are perfectly aligned and tighten it by welding or other.



EMERGENCY RELEASE PROCEDURE

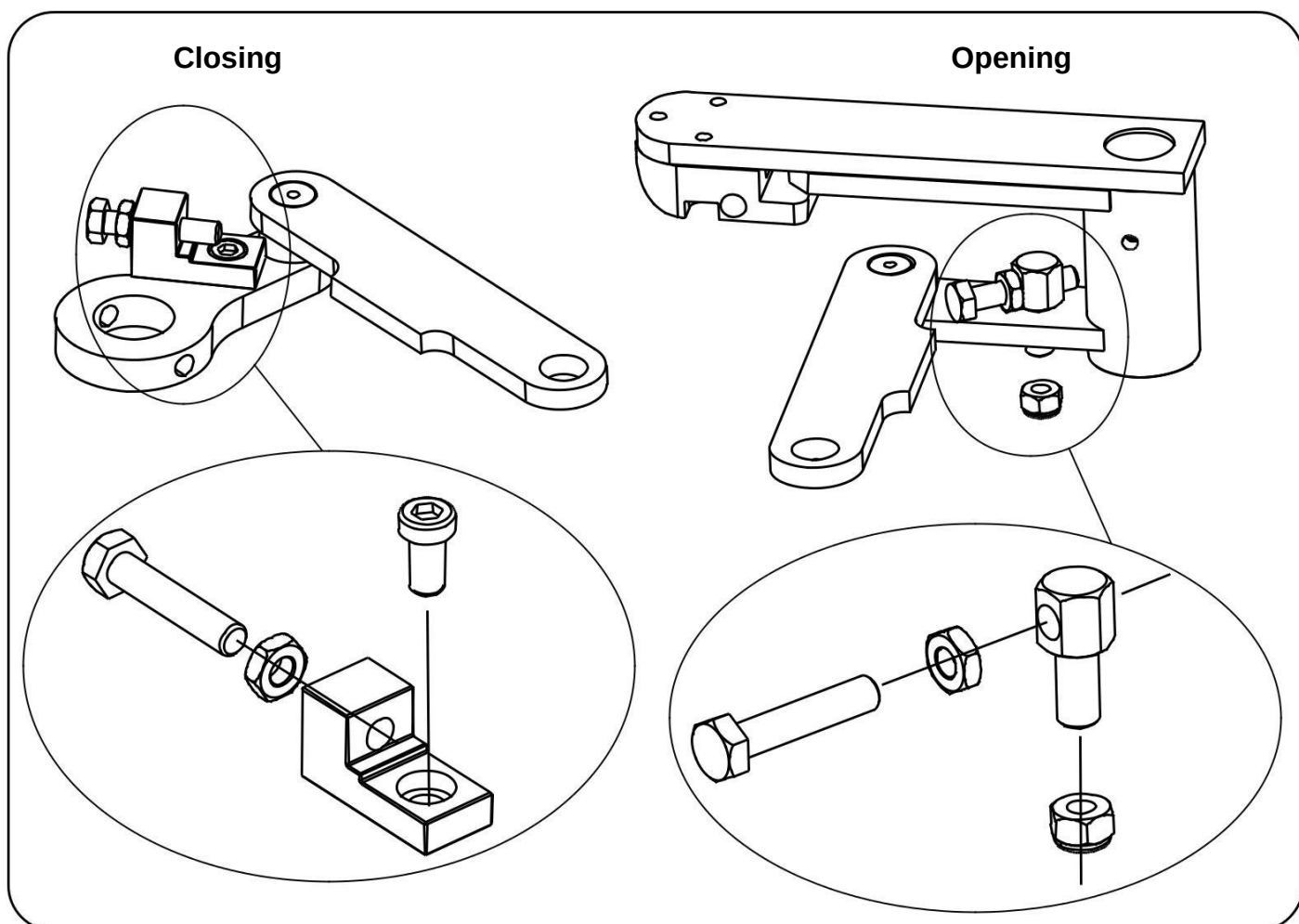
Insert the key (**K**) provided into the designated hole (**V**) located over the lever (**L1**)

Turn the key



LIMIT SWITCHES ASSEMBLY (OPTIONAL)

Insert, regulate and block the mechanical limit switches in the desired position



TROUBLESHOOTING

PROBLEM	PROBLEM CAUSE	SOLUTION
On giving an input with the remote control or with the key-selector, the gate doesn't open or the motor doesn't start	230 volt main power is not set correctly or absent	Check master switch
	Emergency STOP is Active	Check for any STOP selectors or commands. If not used, check if the Jumper is on STOP contact input on the control board
	Burnt Fuse	Replace with one of the same value
	Power Cable of Motor(s) is not connected or is faulty	Connect the cable to the appropriate clamp or replace it.
	The photocell is not functioning or an obstacle is in the sensor's way	Check the connection. Remove any obstacle from the photocells' sensors.
The Gate opens when using the key-selector, but it doesn't when using the remote controls.	The remote control has not been memorized or the battery is flat.	Repeat the remote control memorization procedure or replace the remote control's battery.
The gate starts opening, but stops immediately	The motor power is set too low or the motor is not strong enough	Modify the motor power value on the trimmer inside the control unit.
One wing opens and the other closes	The connection is incorrect	Switch the Opening and Closing cables on one motor.

N.B. – if the problem persists, contact service@oxygenautomation.com or call us at 0514070040 from 9.00 to 18.00 (CET).

SAFETY PRECAUTIONS

These warnings are an essential, important part of the product and must be given to and understood from the user. They provide important indications on the installation, use and maintenance, and must be read carefully.

This form must be preserved and passed on to subsequent users of the system. The incorrect installation or improper use of the product may be dangerous.

INSTALLATION INSTRUCTIONS

- The installation must be performed by professional personnel and must be in compliance with the current local, state, national and European legislation.
- Before beginning the installation, check the integrity of the product.
- The laying of cables, electrical connections and adjustments must be performed safely and carefully by professionals.
- The packing materials (cardboard, plastic, polystyrene, etc.) are a potential hazard and must be correctly arranged and not left within reach of children.
- Do not install the product in potentially explosive environments or environments disturbed by electromagnetic fields. The presence of inflammable gases or fumes is of great danger to the safety of the installer and potential other people in that area.
- Set up a safety device for overvoltage, a disconnecting and/or differential switch suitable for the product and conforming to current standards.
- The manufacturer declines all responsibility for the integrity, safety and operation of the product if incompatible devices and/or components are installed.
- Solely original spare parts must be used for repairs and replacements.
- The installer must provide all the information relating to the operation, maintenance and use of the individual parts, components and system as a whole.

WARNINGS FOR THE USER

- Read the instructions and enclosed documentation carefully.
- The product must be used for the sole purpose it was designed for. Any other use is considered improper and therefore hazardous. In addition, the information given in this document and in the enclosed documentation may be subject to modifications without prior notice. It is given as an indication only for product application. The company declines any responsibility for the above.
- Keep products, devices, documentation and anything else provided out of reach of children. In the event of maintenance, cleaning, breakdown or faulty operation of the product, turn off the power and do not attempt to operate on the product. Contact a professional responsible for the operation. Failure to adhere to the above indications may be dangerous



100% Made in Italy

Manufactured under CE regulation in ITALY and distributed in EUROPEAN UNION and OVERSEAS by OXYGEN AUTOMATION SRL 40100 BOLOGNA - ITALY and its authorized dealers

Contact: info@oxygenautomation.com