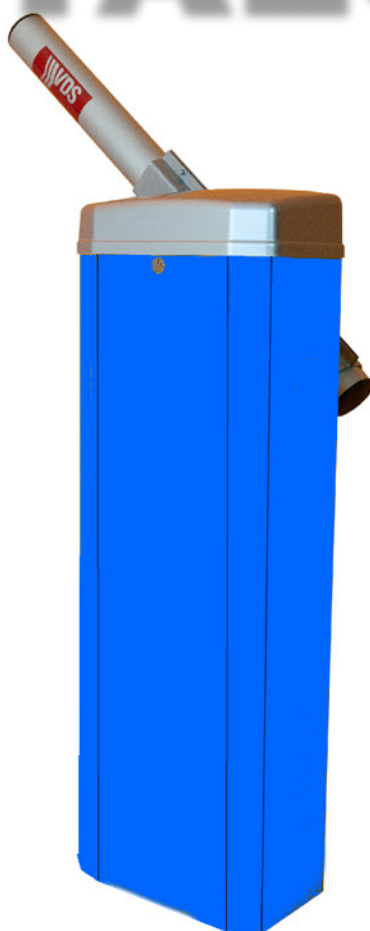


TECHNICAL INSTALLATION MANUAL

AUTOMATION FOR BARRIERS

ITALO



WARNING!! Before installing, thoroughly read this manual that is an integral part of the pack



Our products if installed by qualified personnel capable to evaluate 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.

INDEX

Pag.

PACKING CONTENTS	2
TECHNICAL DATA.....	2
DIMENSIONS	3
CONSIDERATIONS FOR INSTALLATION.....	3
INSTALLATION.....	4-5-6-7
TROUBLESHOOTING.....	8
SAFETY PRECAUTIONS	12

PACKING CONTENTS

1- BARRIER

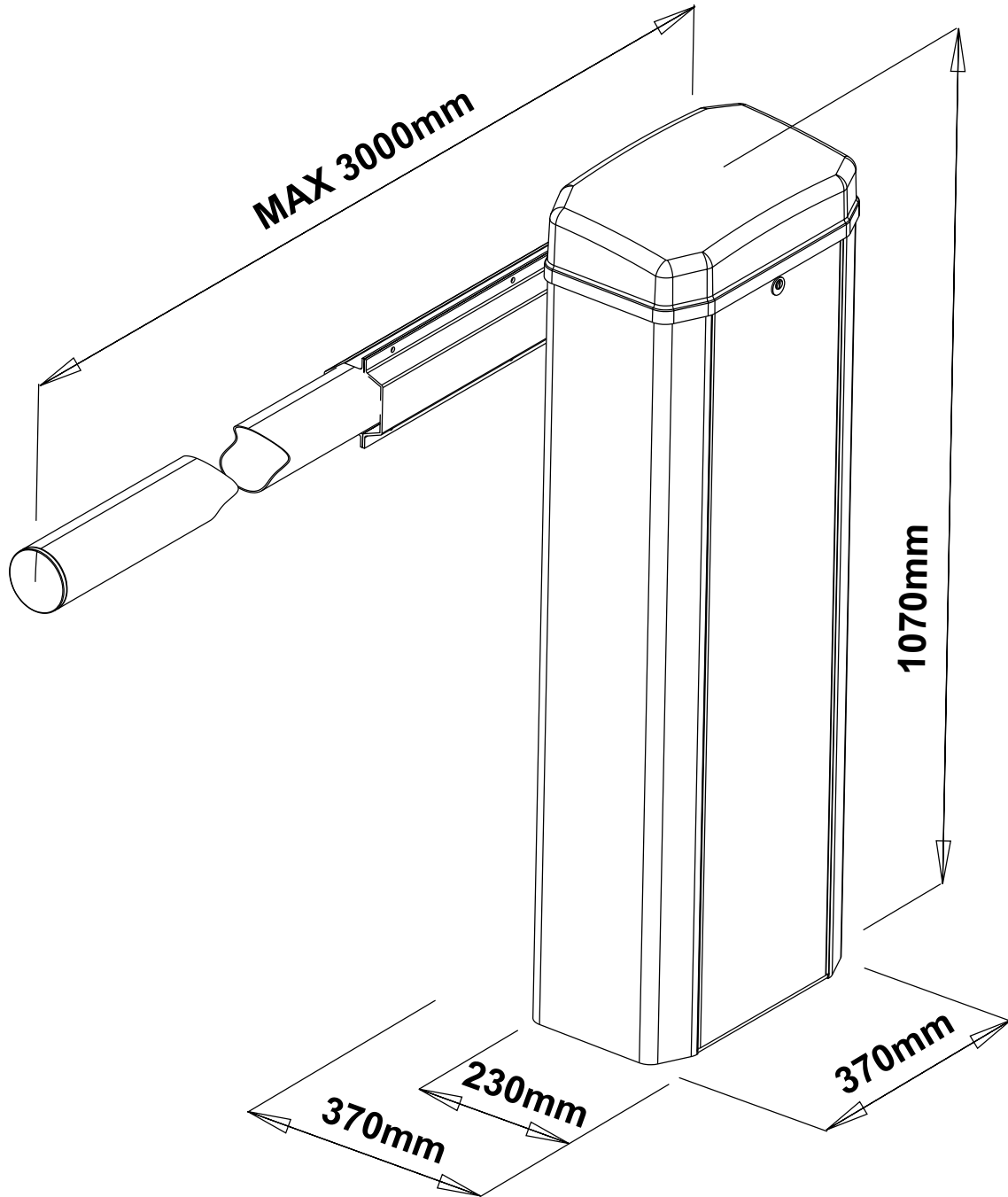
1- BAR SUPPORT



TECHNICAL DATA

	230V
Maximum length of bar	3 mt
Motors power supply	230Vac
Motor power	250 W
Motor RPM	1400
Condenser	16 µF
Mechanical unlock for emergency manoeuvre	Mechanical
Working temperature	-20° C / +55° C
Weight	45Kg
Protection rating	IP 44
Limit switch	Electromechanical
Opening time	3 sec

DIMENSIONS



CONSIDERATIONS FOR INSTALLATION

- The installation and testing operations must be performed by qualified personnel in order to guarantee the proper and safe operation of the automatic gate.
- The company declines any responsibility for damage caused by incorrect installations due to incompetence and/or negligence.

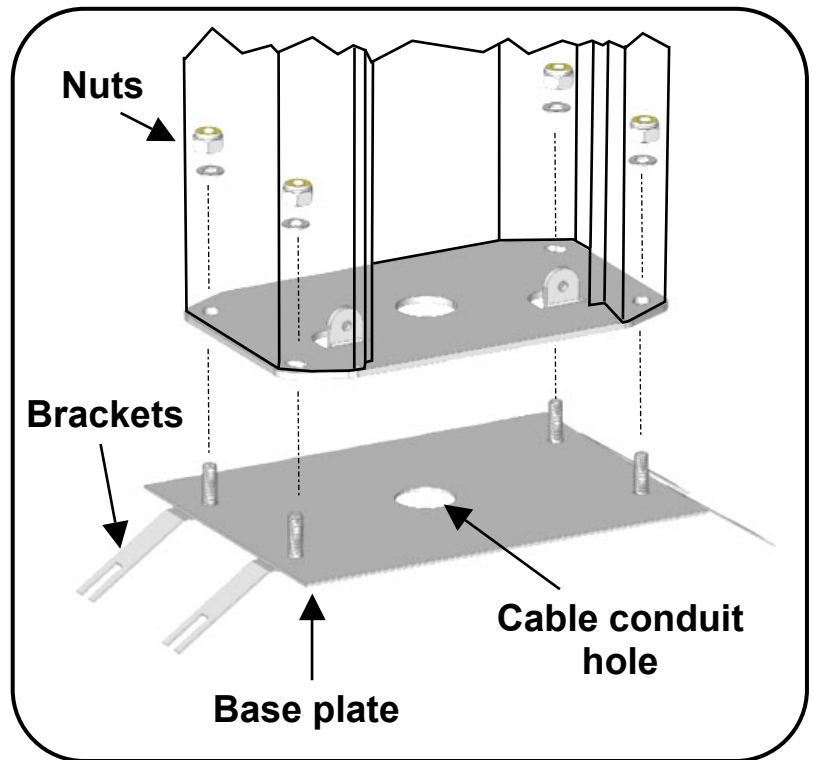
INSTALLATION

Set up an electrical multi-duct conduit in the middle of the foundation of the barrier, corresponding to the central hole (corrugated - diameter 25 - 50mm).

INSTALLATION WITH BASE PLATE (OPTIONAL)

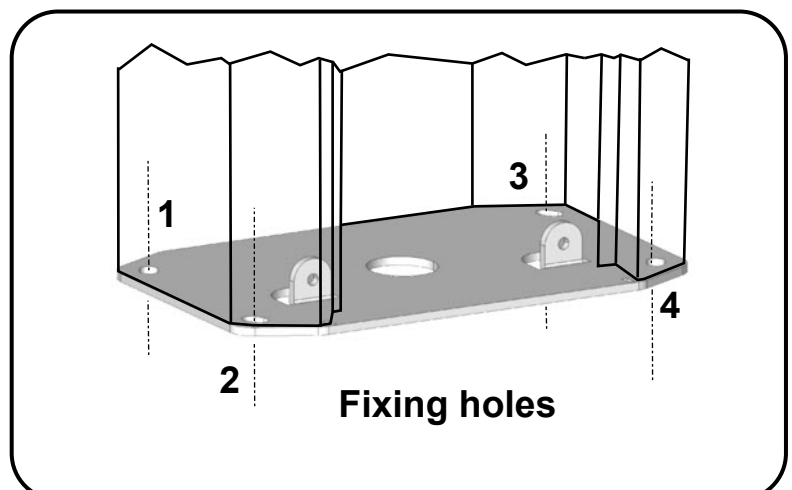
Take the floor plate and bend the brackets as needed. Dig a suitably sized hole in the ground. Insert the electrical conduit into the cable conduit hole of the floor plate. Level and cement the floor plate.

Place the barrier on the floor plate and fasten it with the self-locking M12 nuts supplied.



INSTALLATION WITHOUT BASE PLATE

Place the barrier and block it through the four holes present internally on the basis.

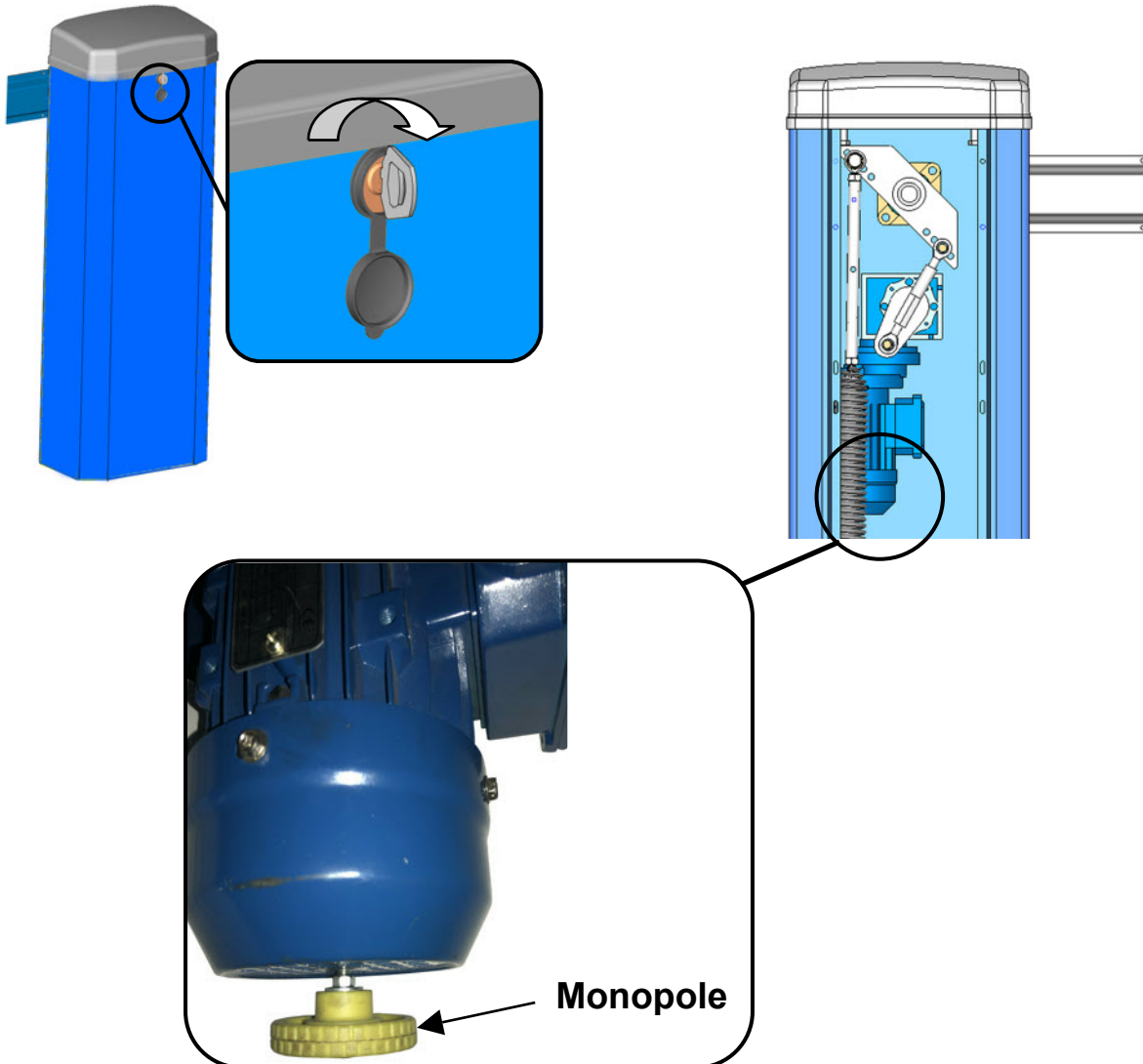


MANUAL OPENING

Insert the key and open the cover.

Rotate the monopole located under the motor until reaching the desired opening.

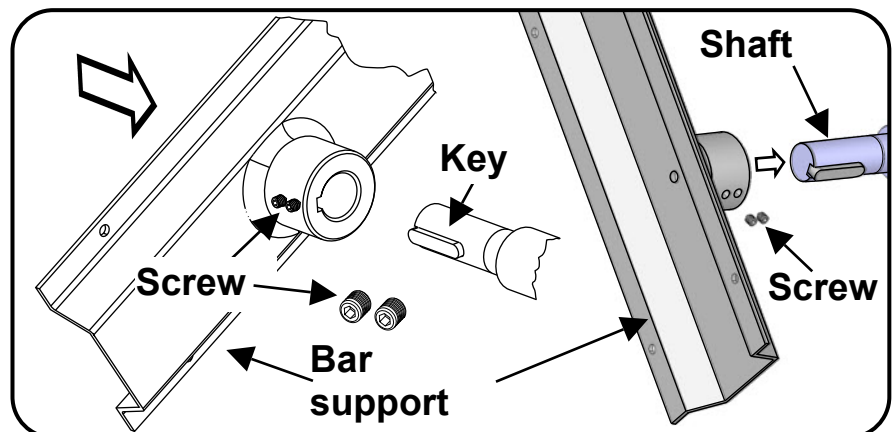
Note: When you open the cover, the automation blocks.



SHAFT SUPPORT

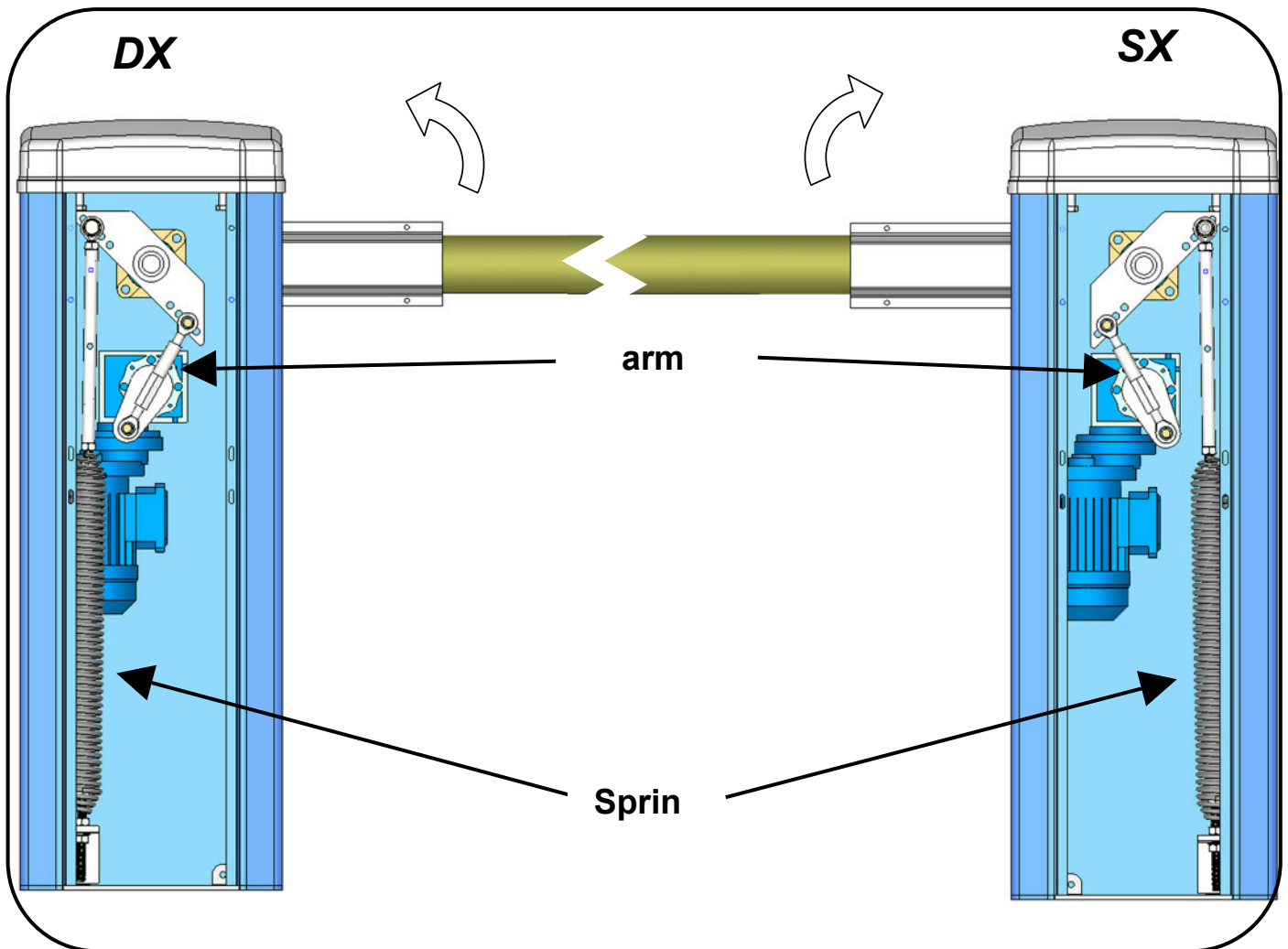
Insert the bar support on the shaft and fasten it with screws

Insert the bar in the support and tighten the screws



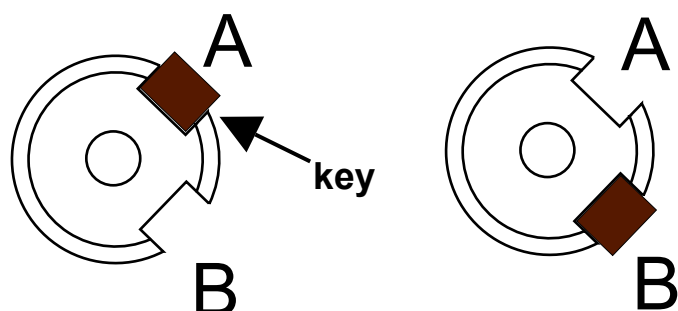
OPENING DIRECTION

To change the opening direction of the automation from the left (standard) to the right proceed as follows:



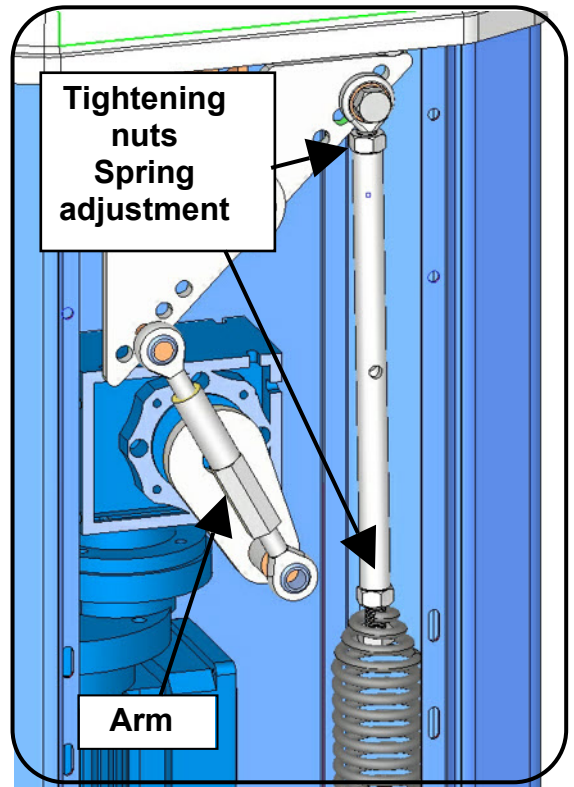
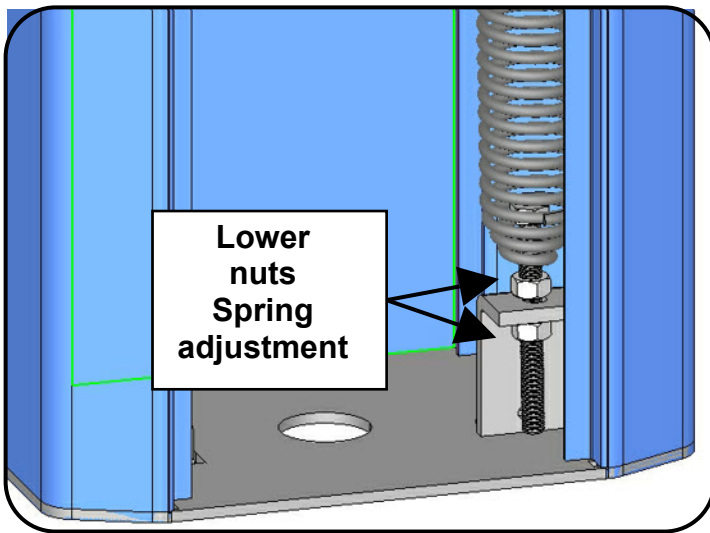
- Discharge the spring tension
- Unhook the spring
- Unhook the arm
- Reverse the position of the spring with the arm
- Hook again and tighten everything
- Invert the position of the key from position **A** to **B** of the output shaft.
- Reinsert the rod holder

Front view
transmission shaft



SPRING REGULATION

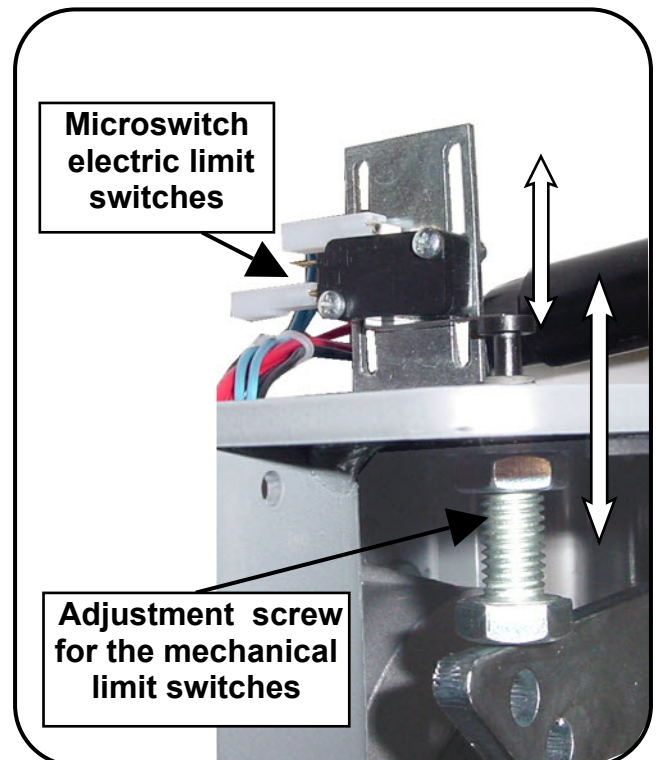
- Unhook the arm
- Put on tension the spring by acting on the adjusting nuts, until the rod remains balanced at about 45°
- Hook again the arm



LIMIT SWITCHES REGULATIONS

It's possible to adjust the limit switches position, both the mechanical (*placed inside the barrier*) and electrical ones (*easily accessible, as they are placed under the superior cover*).

N.B. When one of the mechanical end-stroke switches is repositioned, it is necessary to relocate the electronically controlled one accordingly, and then repeat the stroke selecting procedure



TROUBLESHOOTING

PROBLEM	PROBABLE CAUSE	SOLUTION
On giving a command with the remote control or with the key-switch, the barrier doesn't open or the motor doesn't start	230 volt mains voltage absent	Check master switch
	Emergency STOP present	Check for any STOP selectors or commands. If not used, check jumper on STOP contact input on the control board
	Fuse blown	Replace with one of same value.
	Power cable of motor or motors not connected or faulty.	Connect the cable to appropriate terminal or replace.
	The photocell is not functioning or the beam is interrupted	Check the connection, remove any obstacle across the beam
On giving a command with the remote control, the barrier doesn't open but works with the key command	The remote control has not been memorised or the battery is flat	Carry out the remote control learning procedure on the radio receiver or replace the battery with a new one..
The barrier starts, but stops immediately	The force of the motor or motors is insufficient	Modify the value with the FORCE trimmer on the control unit

N.B. - If the problem persists, contact your Retailer or the nearest Service Centre

All products are guaranteed for 2 years, as per the date on the invoice or on the receipt.

The warranty also does not include: failures or damages caused by faults of the electrical system and/or carelessness, negligence or inadequacy of the installation to the use for which it is intended and in any case from abnormal use; failures or damages due to tampering by unauthorized personnel or the use of components not attributable to the manufacturer and/or non-original spare parts; defects caused by chemical agents, external bodies or atmospheric and/or natural phenomena in general; failures or damages caused by incorrect installation of the Products according to the rule of art, safety and conformity of use expressly indicated in the technical documentation of the same Products; the consumables; interventions for checks and assessments of any flaws or defects then not found; compensations for the period of inactivity of the system where the Products are installed.

SAFETY PRECAUTIONS

These warnings are an essential, integral part of the product and must be given to 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 professionally skilled personnel and in compliance with 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 workmanlike performed.
- The packing materials (cardboard, plastic, polystyrene, etc.) are a potential hazard and should be disposed of correctly 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 a grave danger to safety.
- 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 any and all responsibility for product integrity, safety and operation in the event incompatible devices and/or components are installed.
- Solely original spare parts should 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 express purpose for which it was designed. 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, cut off the power and do not attempt to operate on the product. Contact solely the professionally skilled personnel responsible for these operations. Failure to adhere to the above indications may be dangerous.

**The data and images are for guidance only
VDS reserves the right to change at any time characteristics of the products described in
its sole discretion, without notice.**



**Via Circolare p.i.p. N° 10
65010 Santa Teresa di Spoltore (PE) - ITALY
Tel. +39 085 4971946 - FAX +39 085 4973849
www.vdsautomation.com - info@vdsautomation.it**