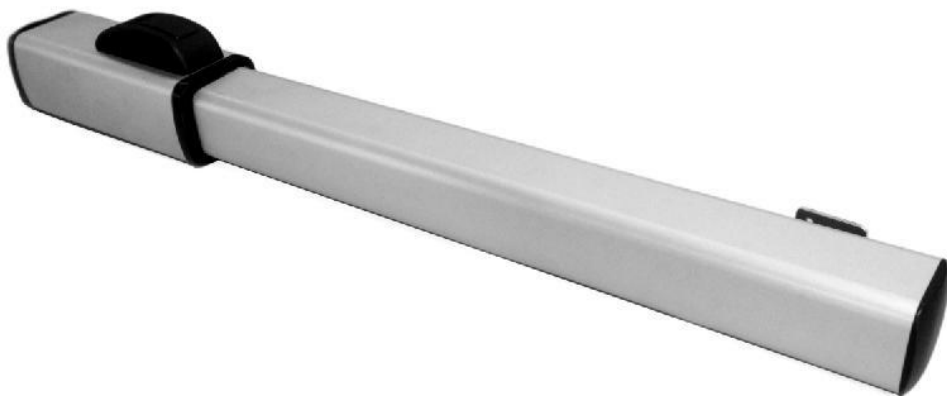


OXYGEN AUTOMATION



TECHNICAL INSTALLATION MANUAL



HYDRAULIC GATE OPERATOR

PARIS 240MM RB*

PARIS 240MM SB*

- *RB – ROUND BRACKET*
- *SB – SQUARED BRACKET*



INSTALLER ADVISE

1) CAUTION! It is important for personal safety to follow all the instructions carefully. Incorrect installation or incorrect use of the product could cause serious harm to people.

2) Read carefully the instructions before beginning to install the product.

3) Packaging material should not be left near of children as they are potentially dangerous.

4) Keep these instructions.

5) This product has been designed and built strictly for the use indicated in this documentation. Any other use not expressly indicated could affect the integrity of the product and / or be a source of danger.

6) Oxygen Automation disclaims all liability caused by improper use or use other than that for which the automated system was intended.

7) Do not install the equipment in an explosive atmosphere: the presence of flammable gas or smoke are serious safety hazard.

8) The mechanical parts must be in accordance with the provisions of the Regulations UNI 8612, CEN pr EN 12604 and CEN pr EN 12605. For non-EU countries, in addition to national legal regulations, to obtain an adequate level of safety, they must follow the regulations above.

9) Oxygen Automation is not responsible for failure to observe technical standards in the construction of gates and doors, and if any deformation occurring during use.

10) The installation must be performed in the UN18612, CEN pr EN 12453 and CEN pr EN 12635. The safety of the automation must be C + E.

11) Before carrying out any operations, turn off the power supply.

12) Equipped automation power net with a double pole switch with contact opening distance equal to or greater than 3mm. It is advisable to use a 6A with pole switching.

13) Check that upstream of the plant there is a differential switch with threshold of 0.03A.

14) Check that ground system is perfectly constructed, and connect metal parts of the closure. Also earth wire yellow / green.

15) The safety devices (Ex.: photocells, safety edges, etc.) Protect any danger areas against mechanical movement Risks, such as Ex. Squashing, conveying and shearing.

16) Each installation must be fitted with at least one flashing light as well as a warning plate suitably fixed to the gate, besides the safety devices.

17) Oxygen Automation accepts no responsibility regarding safety and correct operation in case of use of components not Norton Group production.

18) For maintenance, strictly use original parts Oxygen Automation.

19) Do not in any way modify the components of the automated system.

20) Installer must supply all information relating to manual operation of the system in case of emergency and provide the user the "User Guide" attached to the product.

21) Do not allow children or adults to stay near the product during operation.

22) Keep remote controls out of reach of children or any other pulse generator, to prevent the operator from being activated involuntarily.

23) The user must not attempt any kind of repair or direct action whatever and contact qualified personnel only.

24) Switching between the leaves is allowed only in completely open gate.

25) Make every six months to verify the system (safety devices, power actuator thrust, release device, etc.).

26) Anything not expressly specified in these instructions is not permitted.



PARIS 240 SB – PARIS 240 RB

These instructions are valid for the following models:

- PARIS 240-SB R\WOL - PARIS 240-SB BA\OL – PARIS 240-SB BC\CL - PARIS 240-SB BAC\OCL
- PARIS 240-RB R\WOL - PARIS 240-RB BA\OL – PARIS 240-RB BC\CL - PARIS 240-RB BAC\OCL

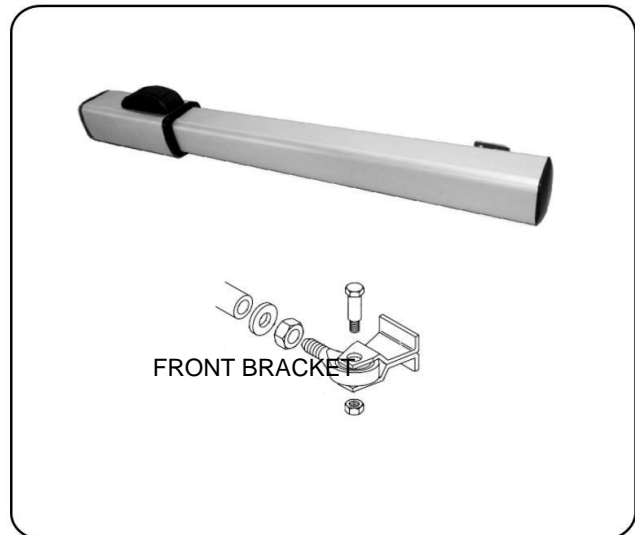
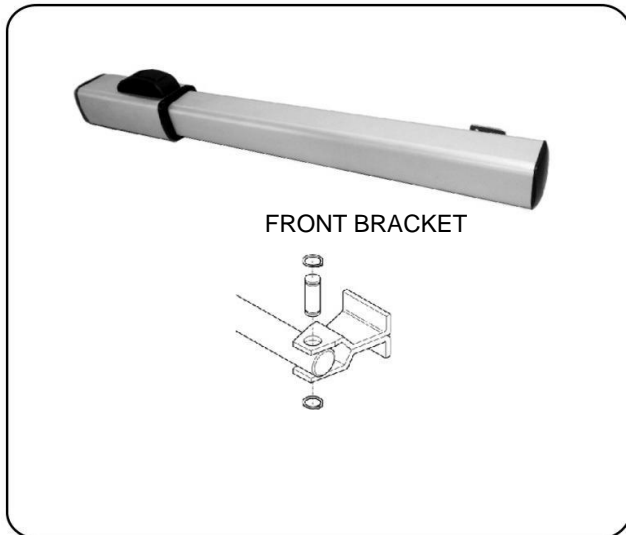
The hydraulic actuators for swing gates PARIS 240-RB and PARIS 240-SB consist of an enbloc composed of an electric pump and a hydraulic piston which transmits motion to the gate.

The models with a hydraulic block (BA - BC - BAC) do not require the installation of electro-locks, ensuring the mechanical locking of the gate when the actuator is not in operation.

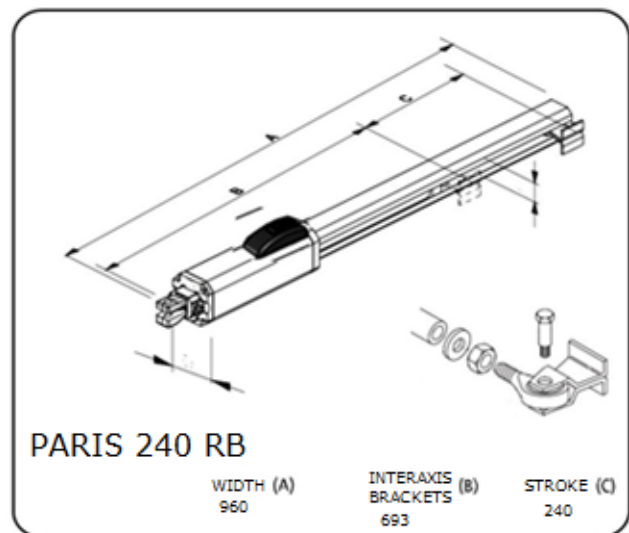
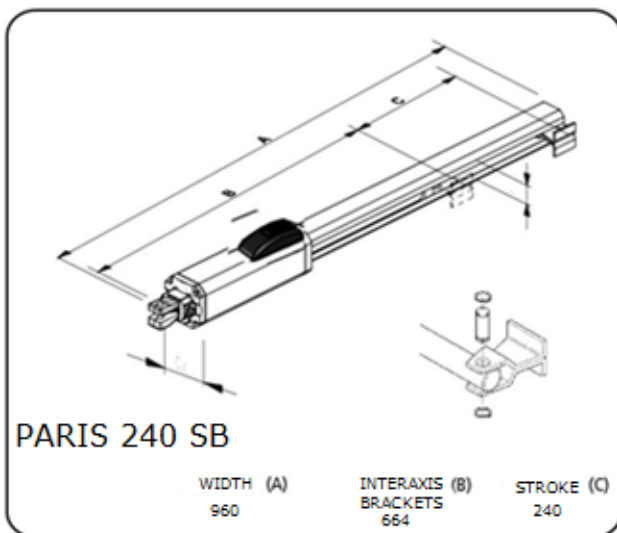
The models without hydraulic lock (R\WOL) to ensure mechanical locking of the gate require the installation of an electric lock.

The hydraulic actuators gates PARIS 240-RB and PARIS 240-SB are designed and built to automate swing gates; Avoid any other use.

IMAGINE

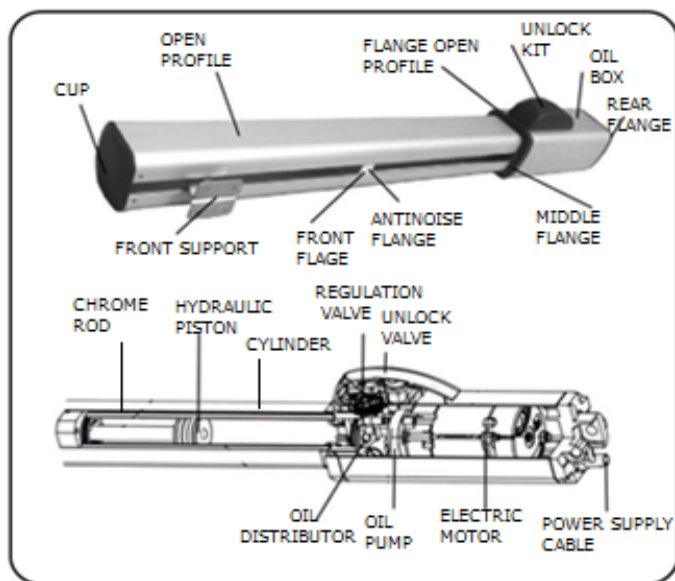


DIMENSIONS

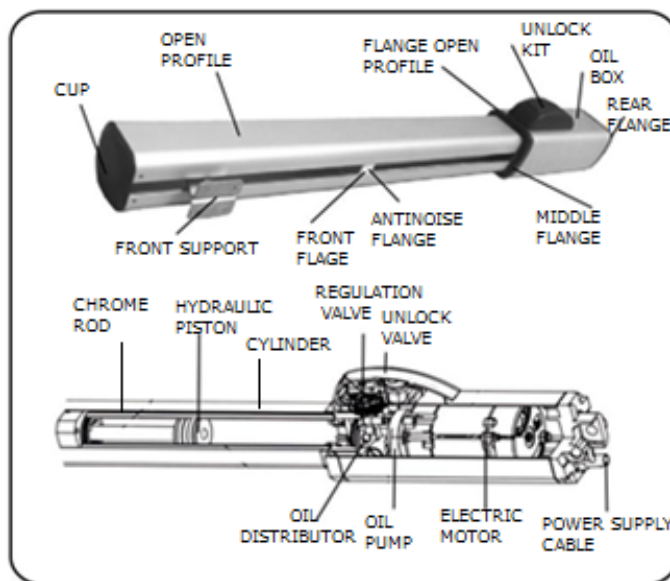




PARIS 240 SB



PARIS 240 RB



TECHNICAL DATA

DATI TECNICI - DATA SHEETS - FICHES TECHNIQUES - DATOS TÉCNICOS	PARIS	PARIS	PARIS	PARIS
	240- R\WOL	240- BA\OL	240- BC\CL	240-BAC\OCL
Tensione alimentazione / Power supply / Tension alimentation / Tensione de alimentación	230 Vac	230 Vac	230 Vac	230 Vac
	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Motore elettrico / Electric motor / Moteur électrique / Motor eléctrico	1400	1400	1400	1400
Corrente / Current / Courrent / Corriente	1:00 AM	1:00 AM	1:00 AM	1:00 AM
Potenza motore / Motor power / Puissance moteur / Potencia motore	250 W	250 W	250 W	250 W
Termoprotezione / Thermal protection / Protection thermique / Protección térmica	120 °	120 °	120 °	120 °
Condensatore / Capacitor / Condensateur / Condensador	10 µf	10 µf	10 µf	10 µf
Forza di spinta / Thrust forcer / Force de poussé / Fuerza de empuje	550 daNm	550 daNm	550 daNm	550 daNm
Corsa stelo / Extension stem / Etendue tige / Recorrido vastago	240 mm	240 mm	240 mm	240 mm
Velocità lineare stelo / Speed linear stem / Vitesse tige linéaire / Velocidad lineal vastago	1,3 cm/sec	1,3 cm/sec	1,3 cm/sec	1,3 cm/sec
Blocco anta / Swing lock / Blocage portail / Bloqueo hoja	no	apertura / opening ouverture/ abertura	chiusura / closing fermeture/ cierre	apertura-chiusura/opening- closing ouverture-fermeture/abertura- cierre
Rallentamento corsa idraulico / Hydraulic slowdown / Rallentissement hydraulique / Parada soave hidraulico	no	no	no	no
Portata pompa / Pump capacity / Capacité pompe / Capacidad bomba	1 l/min	1 l/min	1 l/min	1 l/min
Olio / Oil / Huile / Aceite	Total 52/AT 42	Total 52/AT 42	Total 52/AT 42	Total 52/AT 42
Temperatura di funzionamento / Operating temperature / Temperature de fonctionnement / Temperatura ambiente	-20° C +70° C	-20° C +70° C	-20° C +70° C	-20° C +70° C
Grado di protezione / Class protection / Classe de protection / Grado de protección	IP 55	IP 55	IP 55	IP 55
Peso / Weight / Poids / Peso	7 Kg	7 Kg	7 Kg	7 Kg
Dimensioni / Dimensions / Encombrement / Medidas (LxPxH)	960 x 99 x 123	960 x 99 x 123	960 x 99 x 123	960 x 99 x 123
Lunghezza anta / Leaf length / Longueur portail / Longitud de la hoja (max m.)	3	1,8	1,8	1,8



PARIS PRELIMINARY CHECKS GATE

To ensure correct operation, the gate must have the following qualifications:

- Robust and rigid structure of the doors;
- The movement of the leaves must be regular and uniform but also devoid of friction during travel;
- The hinges must be in good condition;
- Mechanical stops at the end of the race positioned.

Any metalwork operations should be carried out before the installation of the automation. The state of the structure of the gate influences the reliability and safety of the automation.

INSTALLING PARIS 240 - FIXING PARIS 240

A) Fasten the rear attachment on the pilaster, following the indications of the table A, modify if necessary, the length of the bracket (Fig. 1).

Compliance with the dimensions shown in the above tables ensures correct operation. In the case of iron pillar carefully weld the rear attachment directly on the pillar.

In the case of masonry pillar opt for one of the following solutions:

- 1) appropriately Cashing a plate to wall and then weld the rear fitting;
- 2) Attach to the pillar with screws and anchors the rear mounting plate and weld on the rear mounting plate (Fig. 2)

B) Fix the operator to the rear (fig. 2);

C) Release the hydraulic actuator PARIS 240 with release key;

D) Remove the chrome stem until total joke and bring it within approximately 5 mm (Fig. 3), and only in the case of PARIS 240-SB installation tighten in half the front fitting (joint head) on the stem and tighten with the supplied nut (fig. 3.1);

E) Fit the front attachment onto the rod (Fig. 4);

F) Close the gate leaf keeping the actuator perfectly horizontal and locate the front of the attack on the wing (Fig. 5);

G) temporarily fix the front attachment on the gate using two weld points (protect the stem from any welding slag) (fig. 6);

H) Unlock the PARIS actuator, manually check if the gate is free to open and stop the mechanical stops to end preinstalled race; Furthermore, check the movement of the gate is regular and without friction;

I) momentarily disconnect the actuator and weld the front attachment on permanently (fig. 7)

L) Place the cover on the actuator rod PARIS (fig. 7);

M) Re-lock the PARIS actuator and make the electrical connections with the electronic equipment, according to the instructions in the manual.



FIXING REAR SUPPORT

PARIS 240 RB – PARIS 240 SB

Fig.1

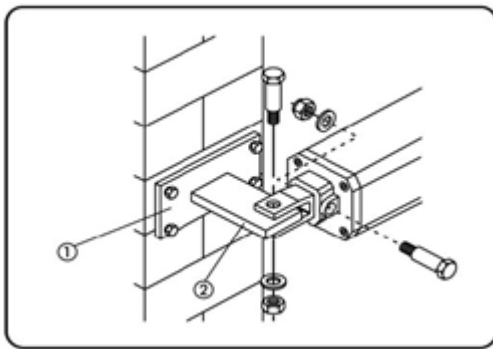
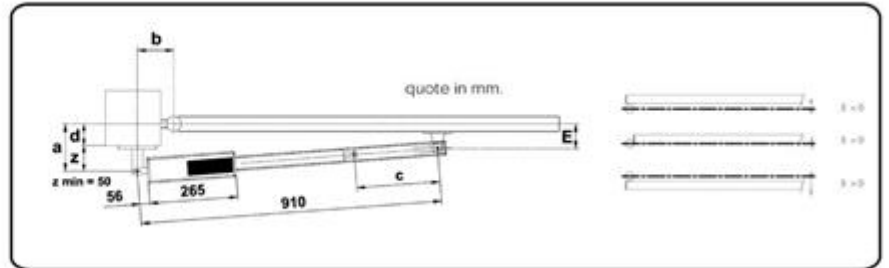


Fig.2

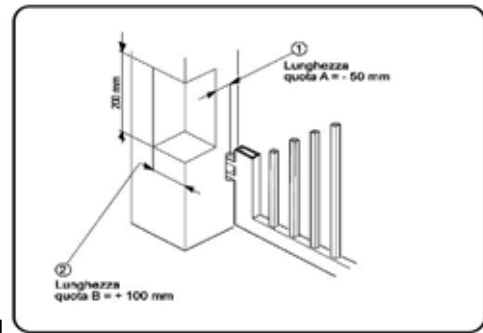


fig. 2.1

In the case that the size of the pillar or the position of the Hinge (D share) does not allow to contain the A in desired measure, you must make a niche on pillar (Fig. 2.1).

Dimension A must always be greater than the proportion E.

TABLE REAR SUPPORT FIXING

TABLE A: PARIS 240\RB AND \ SB REAR SUPPORT FIXING

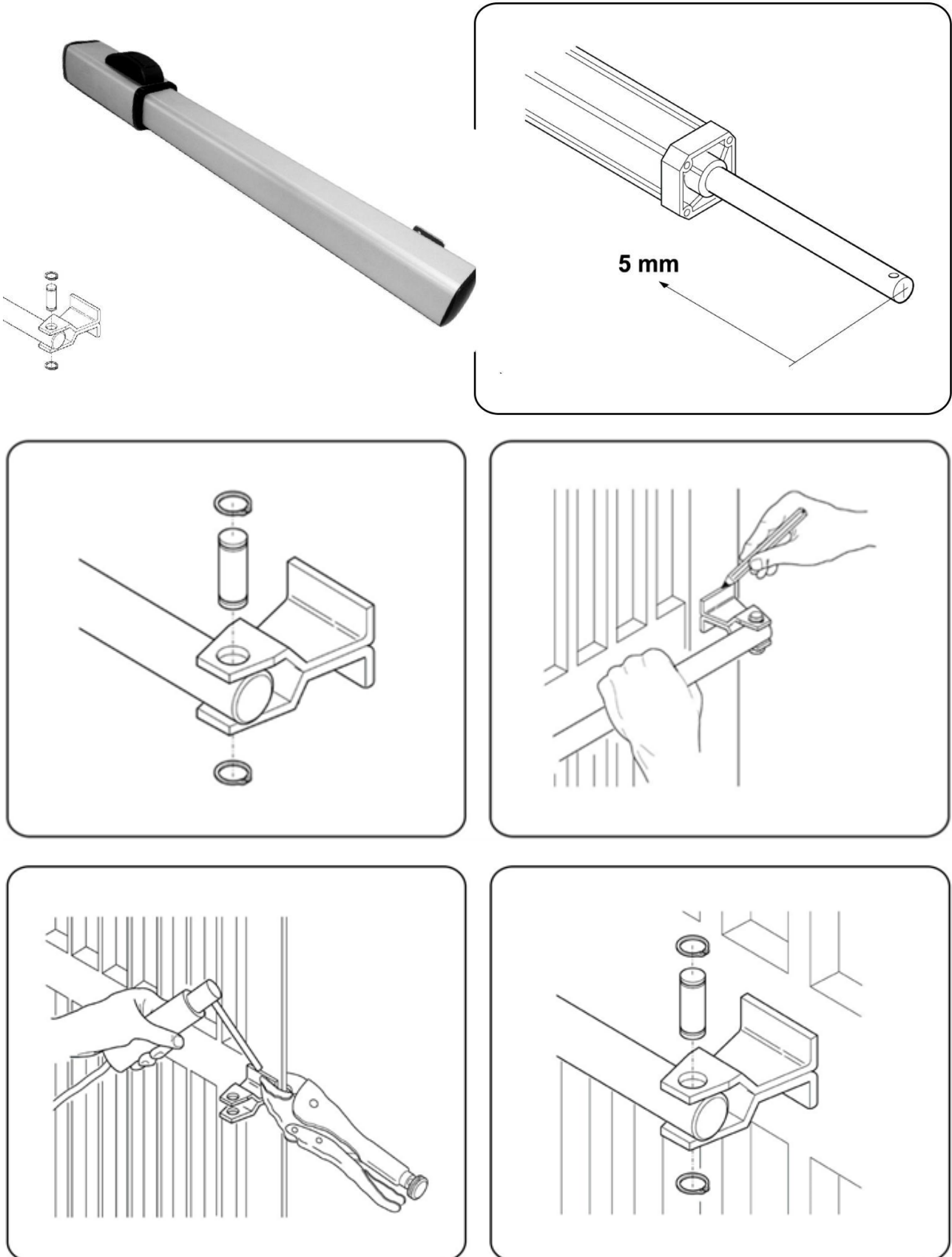
OPENING ANGLE	a (mm)	b (mm)	c(*) (mm)	d(**) (mm)
90°	120	120	240	70
110°	100	100	240	50

(*) Rod effective stroke (**) maximum quota

c = The stroke of the rod is less than the maximum stroke in order to prevent the piston arrives internally in abutment in the opening and closing phases

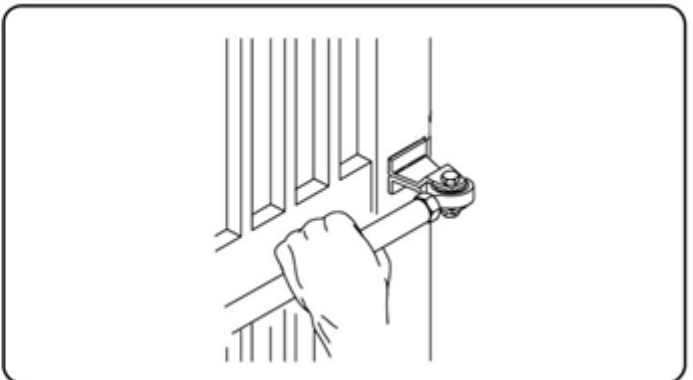
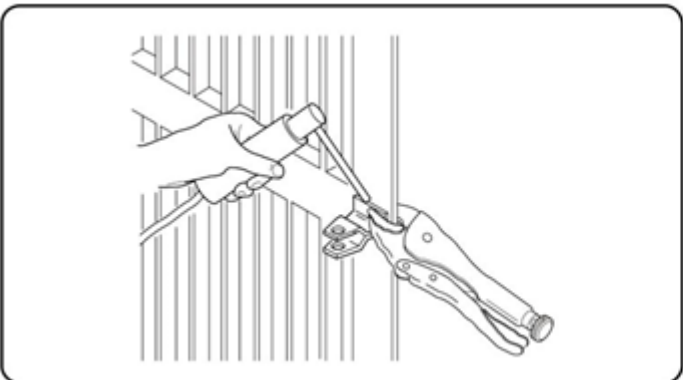
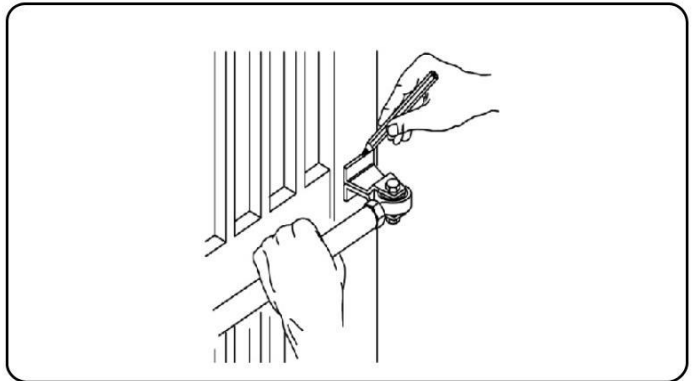
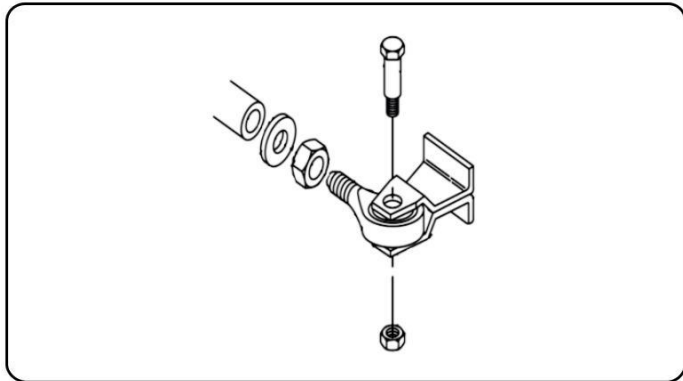
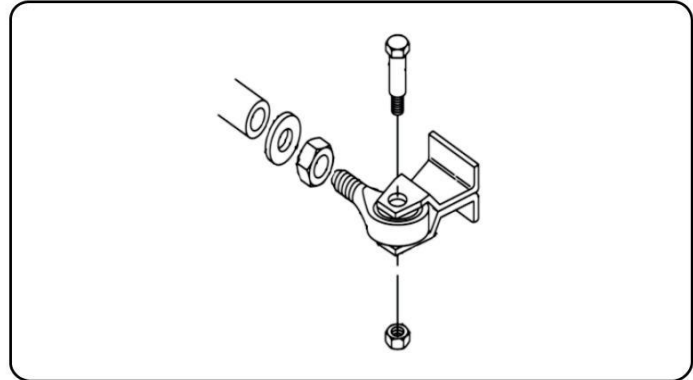
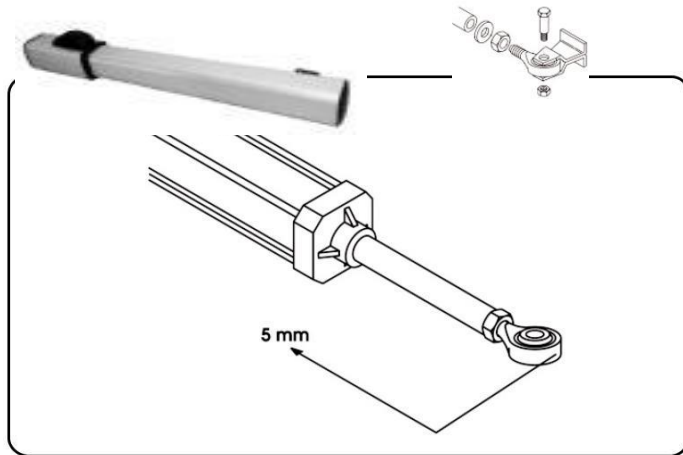


FIXING FRONT SUPPORT PARIS 240MM SB

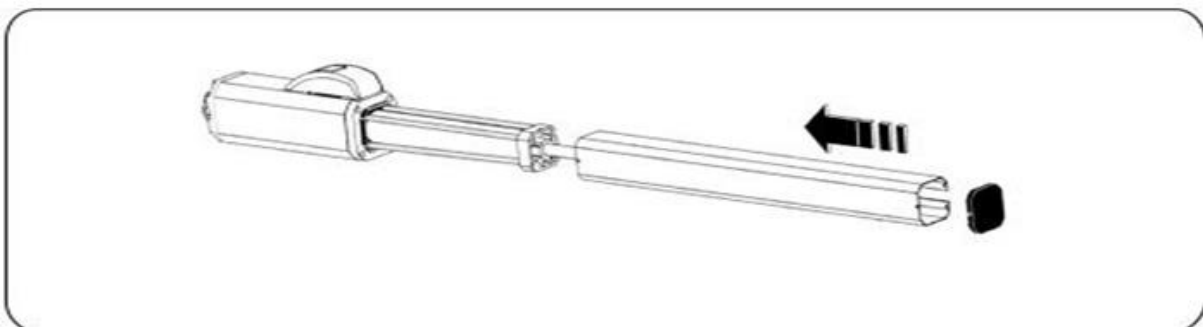




FIXING FRONT SUPPORT PARIS 240MM RB



PARIS 240 RB PARIS 240 SB FIXING ROD COVER





PARIS 240 SB – PARIS 240 RB

CONTROL SYSTEM ANTI CRUSHING

- FINAL OPERATIONS - AUTOMATED TEST

ANTI-CRUSHING SYSTEM ADJUSTMENT (Figure 8)

The hydraulic actuator BATHY is equipped with an anti-crushing security that limits the actuator force the same, in the presence of an obstacle during the movement of the gate. The force is adjusted as follows:

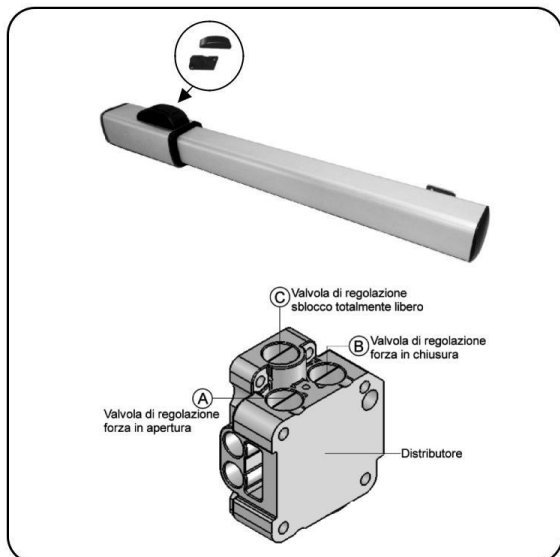
- Slide the cap to unlock and lift it;
- Lift the base of the release group;
- The regulating valves: valve "A" to adjust the opening force, the valve "B" to adjust the closing force and valve "C" to unlock completely.

By turning the valves clockwise increases the torque, while counter-clockwise to decrease the torque.

The adjustment of the torque, in the states of the European Union, is subject to the standards EN 12445 and EN

12453. In the other states is subject to local regulations.

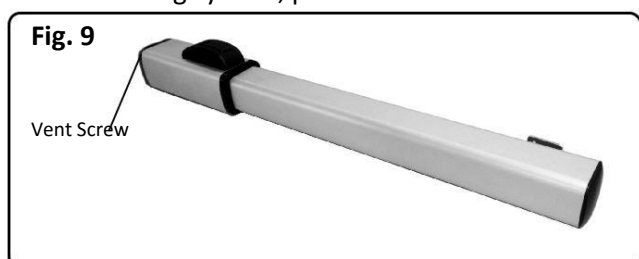
FIG.8



FINAL OPERATIONS

On completing the adjustment operations of the anti-crushing system, proceed as follows:

Fig. 9



- Reseal the release unit device;
- Remove the vent screw (Fig. 9).

AUTOMATED TEST

After installation, proceed with care to the functional test automation and of all accessories connected with particular attention to the safety devices.

Deliver to the owner of the "User's Guide" and explain correct operation and use of the automated system, and indicate the potentially dangerous areas thereunder

OPERATION MANUAL RESET

OPERATION MANUAL

In case you need to manually operate the gate to the absence of electrical power cut or failure, you must use the release device as follows:

- Open the cover cap release and insert the key provided;
- Turn the key counter-clockwise to unlock;
- Manually perform the maneuver of opening or closing of the door of the gate.

RECOVERY AUTOMATED SYSTEM

Before proceeding to the restoration of the automated system, following manual release, it is advisable to switch off the system power supply, in order to prevent an involuntary pulse from activating the automation.

The restore operation must be carried out as follows:

- Turn the release key clockwise until it stops;
- Close the cover cap of the release system;
- Replace the electric power system;
- Start the automation.

MAINTENANCE AND REPAIR

MAINTENANCE

It is recommended the functional verification every six months, particularly the efficiency of the safety and release devices, including verification of the actuator thrust force; it is also good to check the degree of the gate hinges. also check the oil level in the tank.



In case of oil topping you must absolutely use oil Total 52-AT42

Periodically check the correct adjustment anti-crushing safety (force control valves) and the efficiency of the release system.

REPAIR

Any Automatic System repairs must be performed by qualified staff, possibly authorized Oxygen Automation.

Use original spare parts provided by Oxygen Automation.

TROUBLESHOOTING

Gate does not move	<ul style="list-style-type: none"> - Mains power supply control - Ensure that the operator is not unlocked - Check valves to force adjustment - Check oil level in the tank - Check efficiency starting capacitor - Check function electronic control unit
Gate moves slowly	<ul style="list-style-type: none"> - Control adjustment anti-crushing system
Gate moves in jerks	<ul style="list-style-type: none"> - Verify the removal of the oil vent screw - Eliminate any possible air inside the piston, performing complete cycles of opening and closing of the gate
Oil from the vent screw (leakage)	<ul style="list-style-type: none"> - It is normally a minimum initial oil leakage, if leakage is continuing, verify that the actuator is in the horizontal position. If not, contact an authorized service center.
Leaf stop in slowing phase	<ul style="list-style-type: none"> - Control adjustment anti-crushing system
Gate no constant running speed	<ul style="list-style-type: none"> - Check the angle of opening odds



END USER INSTRUCTION MANUAL

HYDRAULIC ACTUATORS FOR SWING GATE PARIS 240 RB AND PARIS 240 SB

Read the instructions carefully before using the product and store them for future use

GENERAL SAFETY

The hydraulic operator PARIS, when properly installed and used, guarantees a high degree of safety.

Some simple rules on behavior can prevent accidental trouble:

- Do not pass through the leaves while they are moving. Before passing through the leaves, wait for the complete opening.
- Do not stand between the leaves.
- Do not stop and do not allow children, persons or things to stand there, especially while it is operating.
- Keep out of the reach of children, remote controls or any other pulse to prevent the automated system from being activated involuntarily.
- Do not allow children to play with the automation.
- Do not impede the movement of the leaves.
- Prevent any branches or shrubs from interfering with leaf movement.
- Maintain efficient and easy to see light signaling systems.
- Not groped to manually activate the leaves if you have released them.
- In case of a malfunction, release the leaves to allow access and wait for the technical intervention of qualified personnel.
- Once you have set the manual mode, before restoring normal operation, disconnect the power supply.
- Do not modify the components of the automation system.
- Do not attempt to repair or intervene directly and contact only qualified personnel.
- At least once every six months the automated system, safety devices and the earth connection checked by qualified personnel.

OPERATION MANUAL

If you need to operate the gate manually because of a power failure or malfunction you need to temporarily open the release unit.

- Open the protective cap and insert the supplied key
- Rotate The key counter-clockwise to unlock. - Rotate The key clockwise to lock.

Make the maneuver of opening or closing of the leaf.

N.B .: in NOBLOCK (WOL) models need to manually release the electric lock.

Restore the normal operation must be done, after disarming power, turning clockwise the release key until it stops. Close the protective cap of the release unit.

DESCRIPTION

These instructions are valid for the following models: PARIS 240-SB R\WOL – PARIS 240-SB BA\OL - PARIS 240-SB BC\CL - PARIS 240-SB BAC\OCL - PARIS 240-SB R\WOL PARIS 240-SBBA\OL -PARIS 240-SB BC\CL – PARIS 240-SB BAC\OCL.

PARIS 240 actuators for swing gates are hydraulic units comprising an electric pump and a hydraulic piston which transmits motion to the leaf.



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Models with a hydraulic locking do not need to install the electric lock, ensuring the mechanically locked when the motor is not running.

Others without hydraulic block (WOL) models require one or more electric locks to ensure mechanical locking.

Operators are controlled by an electronic control unit, housed in an enclosure which assures adequate protection against atmospheric agents.

The leaves are normally in the closed position. When the electronic control unit receives an opening command via the radio control or any other pulse generator, it activates the hydraulic appliance which rotates the leaves until they reach the opening position allowing access.

If you have set the automatic operation, the doors close automatically after the selected pause time.

If semiautomatic operation has been set, it must send a second pulse to close the gate again. A stop pulse (if supplied) always stops movement. For details on the behavior in different function logics, consult the installation technician.

Automated systems include safety devices (photocells) which prevent the leaves from moving when there is an obstacle in the area they protect.

PARIS 240 actuator comes standard with a hydraulic anti-crushing safety device that limits the torque transmitted to the leaves.

Light indicates the current leaf movement.

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CONFORMITY DECLARATION FOR MACHINERY

(DIRECTIVE 98/37 CEE)

Manufactured under CE regulation and directive in **ITALY** and **Distributed in EUROPEAN UNION and OVERSEAS by OXYGEN AUTOMATION Srl, via Marzabotto, 40133 Bologna ITALIA**

Declares: That hydraulic operators for swings gates mod. PARIS 240 RB and PARIS 240 SB

- are designed to be incorporated into machinery or to be assembled with other machinery to constitute machinery under the Directive 98/37 CEE and subsequent amendments;
- meet the essential safety requirements of the following Directives CEE:
73/23 CEE and subsequent amendment 93/68/CEE

89/336 CEE and subsequent amendment 92/31 CEE and 93/68 CEE.

Declares: It is not allowed to put in service the machinery up to that the car in which it will be incorporated or which will become component has been identified and has been declared the conformity under the conditions of the Directive 98/37/CEE and subsequent amendment.

The Legal Representative