

Product

Complete range of electromechanical pistons for residential use, suitable for swing gate leaves up to 4 metres wide and weighing up to 500 kg.

Code		
R935306 00005	PHOBOS BT KIT A25 FRA	Complete kit 24 V for sliding gates up to 400 kg in weight and 2.5 m in length.
R935309 00005	PHOBOS BT KIT A40 FRA	Complete kit 24 V for sliding gates up to 500 kg in weight and 4 m in length.
P935096 00002	Phobos BT A25	Irreversible electromechanical operator 24 V for swing gates weighing up to 400 kg and 2.5 m long.
P935095 00002	Phobos BT A40	Irreversible electromechanical operator 24 V for swing gates weighing up to 500 kg and 4 m long.



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Advantages

Quick and practical installation: the new PHOBOS BT A operators are designed to allow a quick and easy installation thanks to a numbers of important measures such as the magnetic limit switches and the magnetic locking pin.

Obstacle detection: the management and control system of the D-Track pair ensures maximum safety for people and property, as well as facilitating certification of the system

PLUS



Magnetic limit switch: the magnetic limit switch system ensures maximum precision of movement and quick and easy adjustment



Magnetic pin: an exclusive feature of Bft operators enabling quicker installation steps, making them easier and always ensuring correct rear locking of the operator

ZARA BT L2

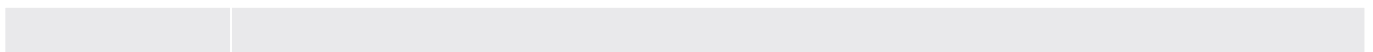
Control panel for one or two 24V operators for swing gates



ZARA BT L2 D113796 00002

Application: control panel for one or two 24V operators for swing gates
 Board power supply: 230V single-phase
 Operators power supply: 24Vdc 180W max each operator
 Main features: removable terminal blocks with new standard colour-coding, programming with trimmer&dipswitch and incorporated dual channel receiver, D-Track anti-crushing system , slowdown during opening and closing and electronic self-learning
 Main functions: automatic re-closing, fast closing, partial opening, deadman feature
 Compatibility: LIBRA C MA, LIBRA, LIBRA R, LIBRA MA R

Technical features



ACCESSORIES



THALIA - D113745 00002
 Control panel for one or two 24V operators for swing gates



THALIA P - D113747 00002
 Control panel for one or two 24V operators for swing gates



ARB PHOBOS N - N733427 www.torautomatic.hr
 Front and rear adjustable bracket for PHOBOS N, PHOBOS N BT operator



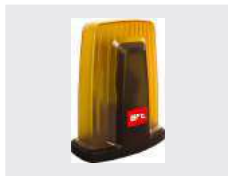
ARB PHOBOS N L - N733428
 Front and rear adjustable bracket for PHOBOS NL, PHOBOS NL BT operator



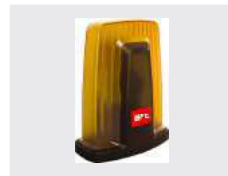
ME BT - D111761
 Control board for 24Vac solenoid lock for 24V automation systems



ECB VERTICALE - D121018
 Vertical solenoid lock, 12-24V



RADIUS B LTA 24 R2 - D113749 00003
 Flashing beacon without built-in antenna for 24V motors Flashing light without incorporated antenna for motors with power supply 24 V.



RADIUS B LTA 24 R1 - D113748 00003
 Flashing beacon with built-in antenna for 24V motors Flashing light without incorporated antenna for motors with power supply 24 V.



B 00 R01 - P123026
 Metal guard for B LTA



B 00 R02 - P123025
 Wall mounting for B LTA series flashing beacons

ACCESSORIES



Mitto B Rcb02 R1 - D111904
Transmitter with 2 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A



Q.BO KEY WM - P121022
Key selector for outdoor use with double contact.



Q.BO KEY WM AV - P121023
Vandalproof key selector with metal structure. Vandalproof key selector with double contact, for outdoor use. Metal structure.



Q.BO TOUCH - P121024
Wireless digital touch button panel 433Mhz rolling code.



DESME A15 - P111526
Pair of self-aligning photocells. Range 30 m. Power supply 24 V ac/dc. Pair of self-aligning photocells. Range 30 m. Power supply 24 V ac/dc.



PHP - P903018
Pair of aluminium posts for THEA/DESME series photocells Height 522 mm

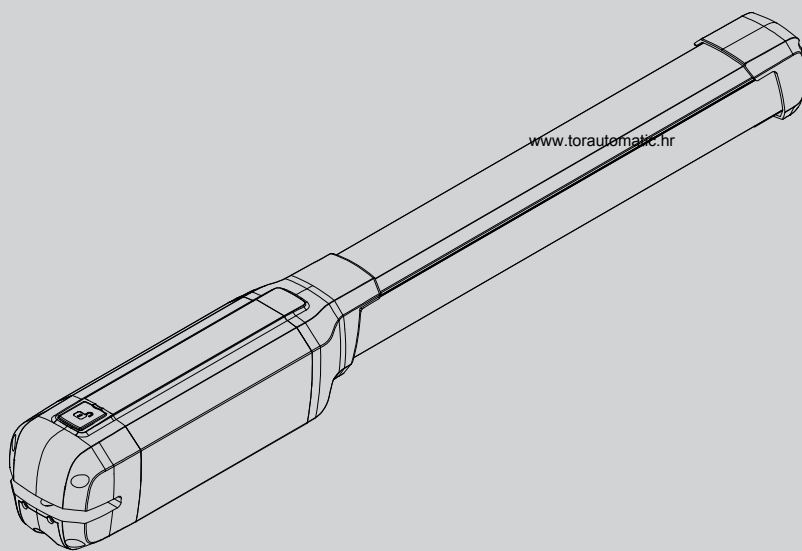


BBT BAT - P125020
Set of backup batteries for THALIA and THALIA P

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AUTOMAZIONI A PISTONE PER CANCELLI A BATTENTE
PISTON AUTOMATIONS FOR SWING GATES
AUTOMATIONS A PISTON POUR PORTAILS BATTANTS
ELEKTROMECHANISCHER DREHTORANTRIEB
AUTOMATIZACIONES A PISTON PARA PORTONES CON BATIENDE
AUTOMATISERINGSSYSTEMEN MET ZUIGER VOOR VLEUGELPOORTEN



PHOBOS BT A25 PHOBOS BT A40

ISTRUZIONI DI INSTALLAZIONE
INSTALLATION MANUAL
INSTRUCTIONS D'INSTALLATION
MONTAGEANLEITUNG
INSTRUCCIONES DE INSTALACION
INSTALLATIEVOORSCHRIFTEN

TORAUTOMATIC
Put Loparica 23
10020 Zagreb

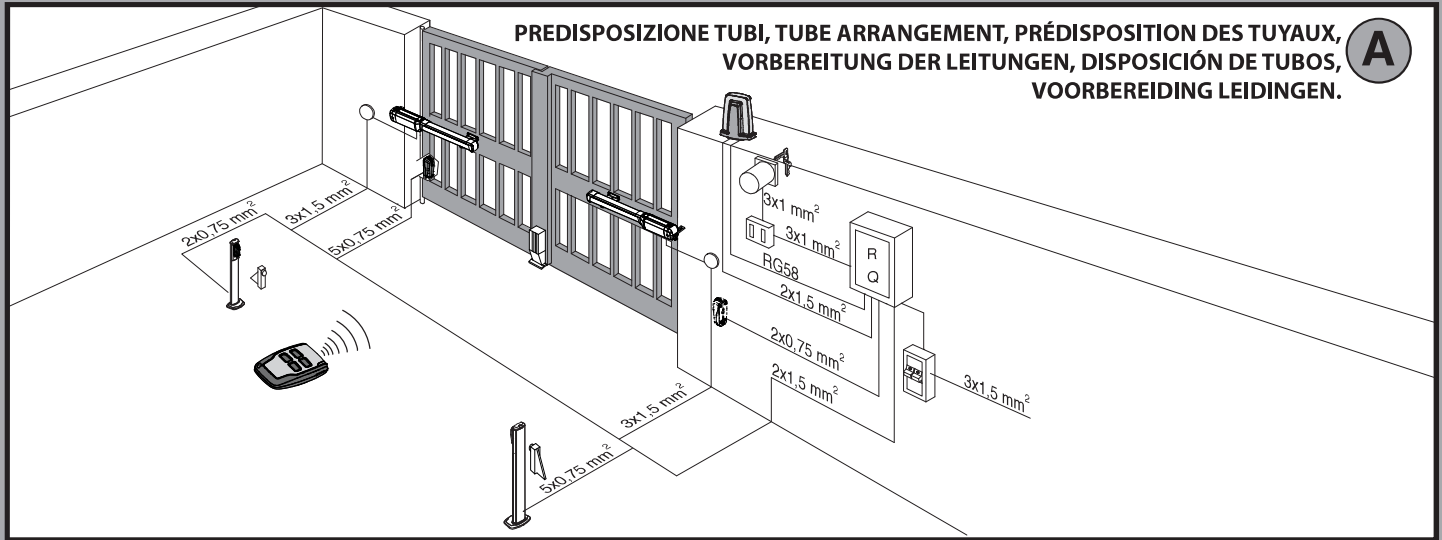
www.torautomatic.hr
info@torautomatic.hr
01/6542443



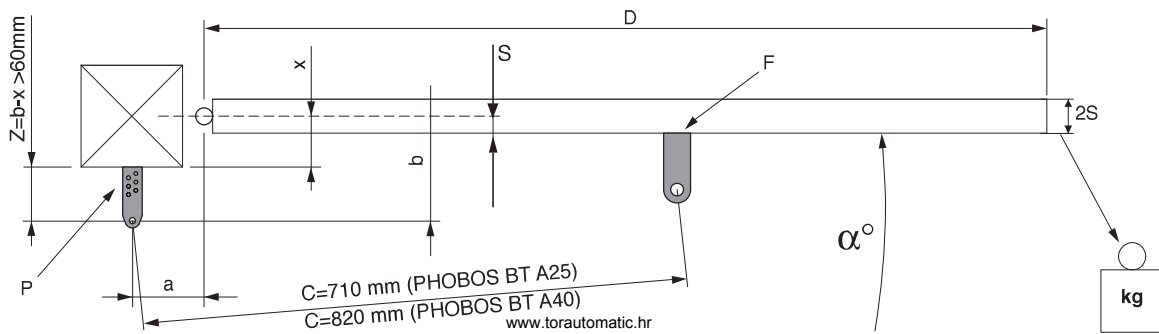
AZIENDA CON SISTEMA DI GESTIONE
INTEGRATO CERTIFICATO DA DNV
= UNI EN ISO 9001:2008 =
UNI EN ISO 14001:2004

INSTALLAZIONE VELOCE-QUICK INSTALLATION-INSTALLATION RAPIDE SCHNELLINSTALLATION-INSTALACION RÁPIDA - SNELLE INSTALLATIE

DB12105 00100_02



SCHEMA D'INSTALLAZIONE. INSTALLATION DIAGRAM. SCHÉMA D'INSTALLATION. INSTALLATIONSSCHEMA. ESQUEMA DE INSTALACIÓN. INSTALLATIESCHEMA.



1

S (mm)	PHOBOS BT A25		PHOBOS BT A40	
	125 kg (~ 1250 N)	250 kg (~ 2500 N)	125 kg (~ 1250 N)	250 kg (~ 2500 N)
	b (mm)		b (mm)	
20	100 ÷ 120	130 ÷ 210	130 ÷ 160	170 ÷ 260
30	100 ÷ 130	140 ÷ 210	130 ÷ 170	180 ÷ 260
40	100 ÷ 140	150 ÷ 210	130 ÷ 180	190 ÷ 260
50	100 ÷ 150	160 ÷ 210	130 ÷ 190	200 ÷ 260

2 PHOBOS BT A25

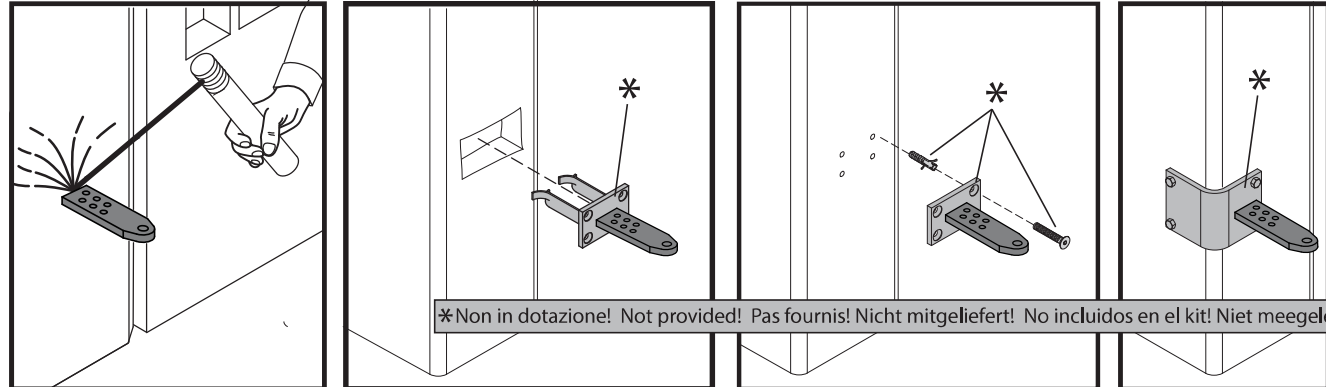
b \ a	100	110	120	130	140	150	160	170
100				114	116	108	102	97
110				112	108	103	98	95
120				111	105	99	95	
130			107	105	100	95	92	
140			105	100	95	92		
150		105	100	95	92			
160		101	95	92	89			
170	101	93	91	89				
180	92	90	88					
190	90	87						
200	87							α°

3 PHOBOS BT A40

b \ a	100	110	120	130	140	150	160	170	180	190	200	210	220	230
130	100	104	107	110	113	116	119	121	124	123	114	109	104	101
140	100	103	106	109	112	115	118	120	122	116	110	107	102	98
150	99	102	105	108	111	114	117	119	120	112	106	102	98	95
160	98	101	105	107	110	113	115	116	114	109	103	99	96	
170	97	100	104	107	109	112	114	113	109	105	100	96	93	
180	97	100	103	106	108	111	113	109	105	100	97	93		
190	97	100	102	105	107	109	112	106	101	96	93			
200	97	99	101	104	106	106	106	100	97	93				
210	96	98	101	103	106	104	103	97	92					
220	96	98	101	103	105	101	97	93						
230	96	98	101	103	105	97	93							
240	95	97	99	99	96	92								
250	95	97	97	95	91									
260	95	97	95	91										α°

ANCORAGGI DEGLI ATTACCHI AL PILASTRO. FASTENING OF FITTINGS TO PILLAR. ANCRAGES DES RACCORDEMENTS SUR LE PILIER. VERANKERUNGEN DER ANSCHLÜSSE AM PFEILER. ANLAJES DE LAS FIJACIONES AL PILAR. VERANKERING VAN DE BEVESTIGINGEN AAN DE PIJLER.

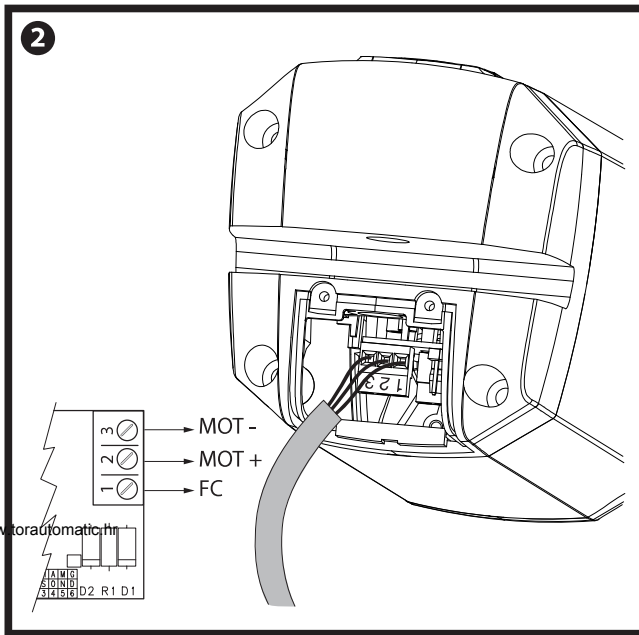
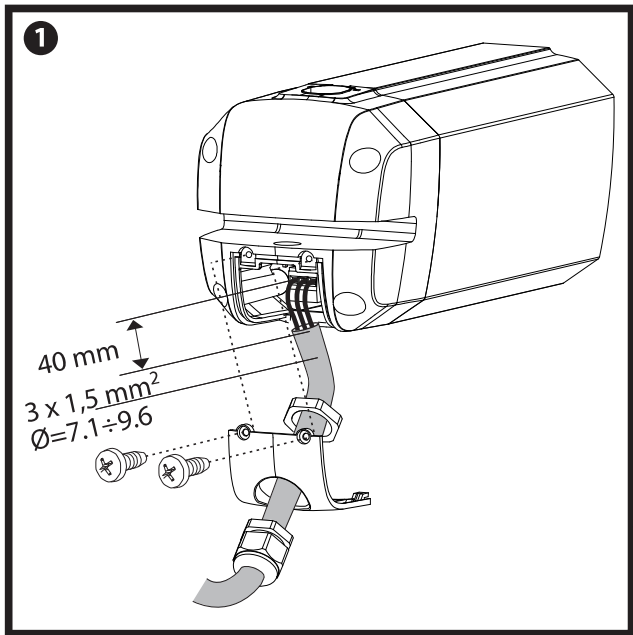
C



*Non in dotazione! Not provided! Pas fournis! Nicht mitgeliefert! No incluidos en el kit! Niet meegeleverd!

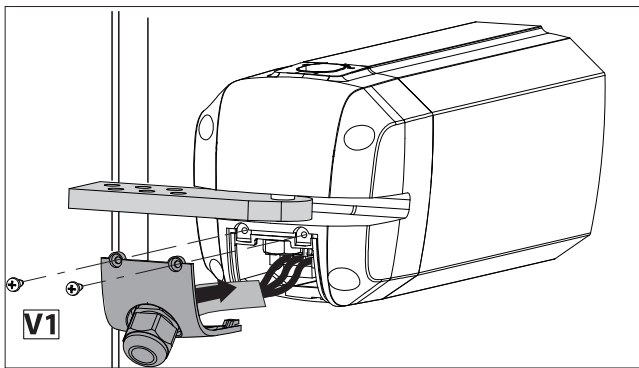
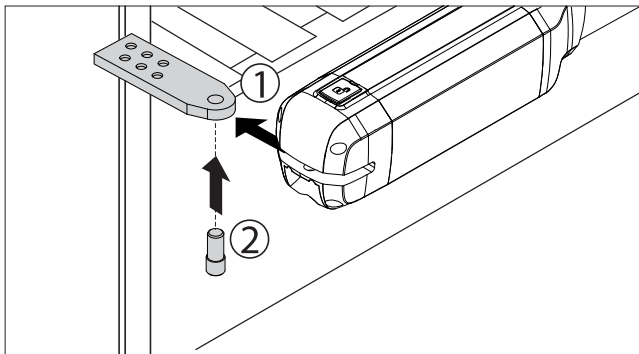
CAVO DI ALIMENTAZIONE. POWER CABLE. C ÂBLE D'ALIMENTATION. NETZKABEL. CABLE DE ALIMENTACIÓN. VOEDINGSKABEL.

D



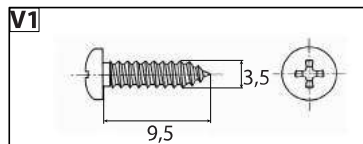
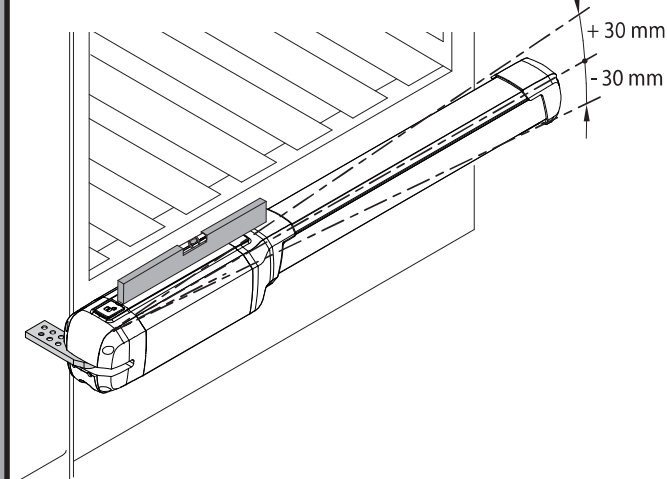
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E



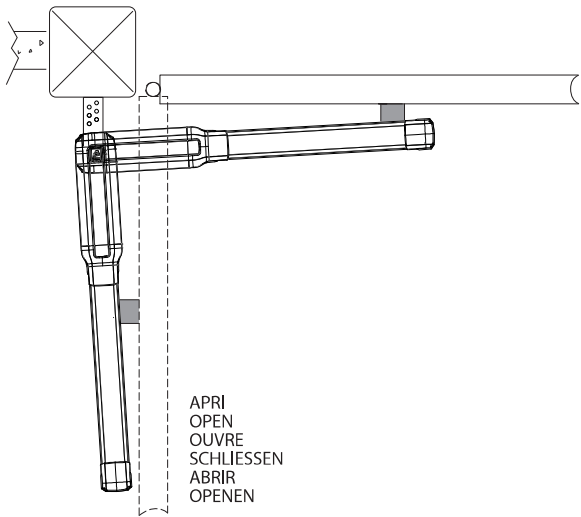
MASSIMA INCLINAZIONE. MAXIMUM TILT. INCLINAISON MAXIMUM. MAX. NEIGUNG. INCLINACIÓN MÁXIMA. MAXIMUM HELLING.

F



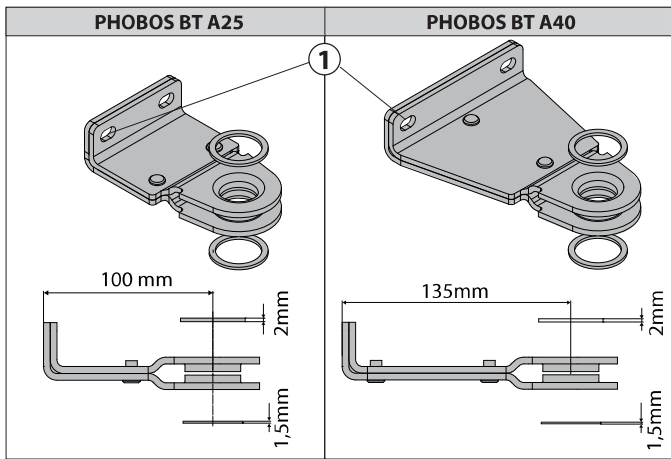
CORRETTA INSTALLAZIONE. CORRECT INSTALLATION. INSTALLATION CORRECTE. RICHTIGE INSTALLATION. INSTALACIÓN CORRECTA. CORRECTE INSTALLATIE.

G



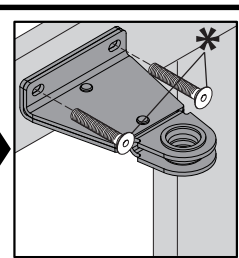
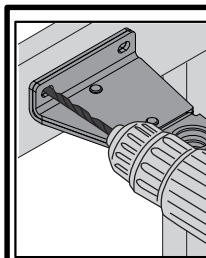
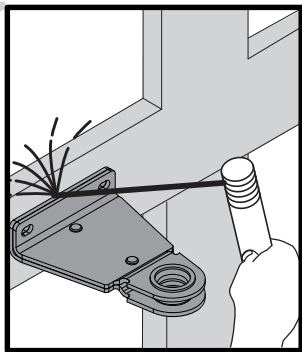
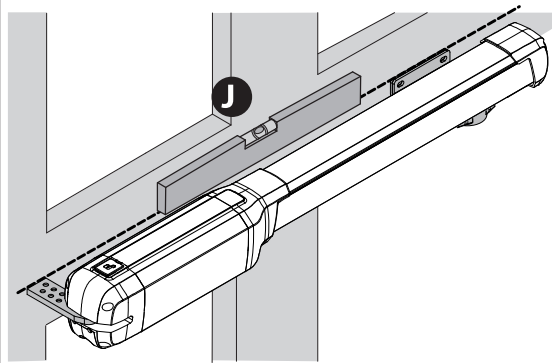
CHIUDI
CLOSE
FERME
ÖFFNEN
CERRAR
SLUITEN

APRI
OPEN
OUVRE
SCHLIESSEN
ABRIR
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ANCORAGGI DEGLI ATTACCHI ALL'ANTA. FASTENING OF FITTINGS TO LEAF. ANCRAGES DES RACCORDEMENTS SUR LE VANTAIL. VERANKERUNGEN DER ANSCHLÜSSE AM FLÜGEL. ANCLAJES DE LAS FIJACIONES A LA HOJA. VERANKERING VAN DE BEVESTIGINGEN AAN DE VLEUGEL.

H

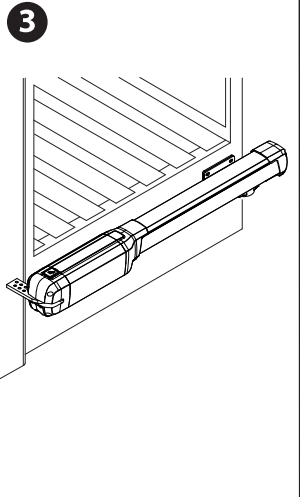
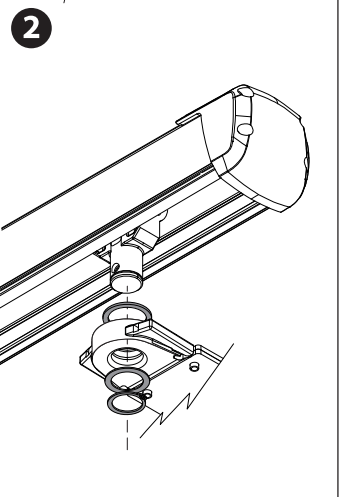
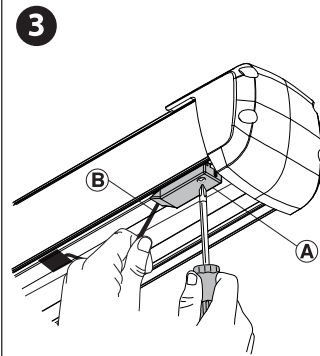
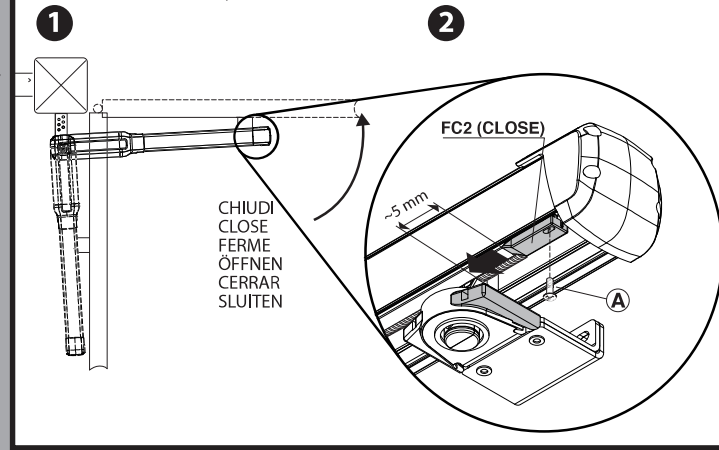
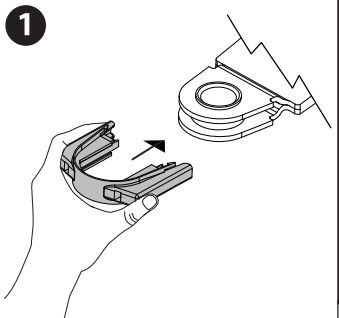


* Non in dotazione! Not provided! Pas fournis!
Nicht mitgeliefert! No incluidos en el kit!
Niet meegeleverd!

REGOLAZIONE FINECORSO DI CHIUSURA, CLOSING LIMIT DEVICE ADJUSTMENT, RÉGLAGE DES FINS DE COURSE DE FERMETURE, VERANKERUNG DER ANSCHLÜSSE AM FLÜGEL, REGULACIÓN DEL FIN DE CARRERA DE CIERRE, AFSTELLING AANSLAG SLUITING.

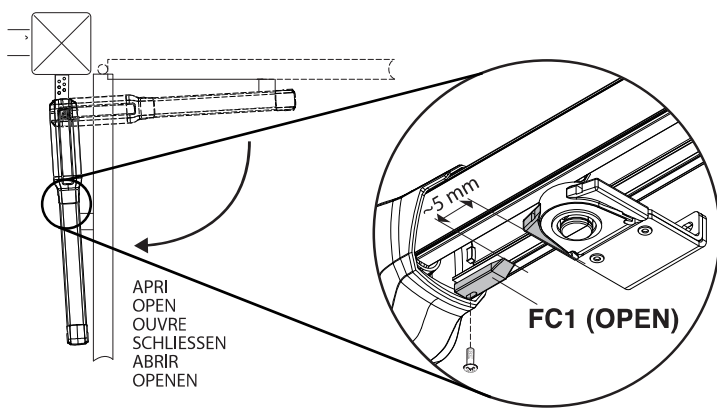
J

FISSAGGIO OPERATORE SULL'ANTA, OPERATOR ATTACHMENT ON DOOR, FIXATION DE L'ACTIONNEUR SUR LE VANTAIL, BEFESTIGUNG DES TRIEBES AM FLÜGEL, FIJACIÓN OPERADOR EN LA HOJA, BEVESTIGING BEDIENING OP DE VLEUGEL.



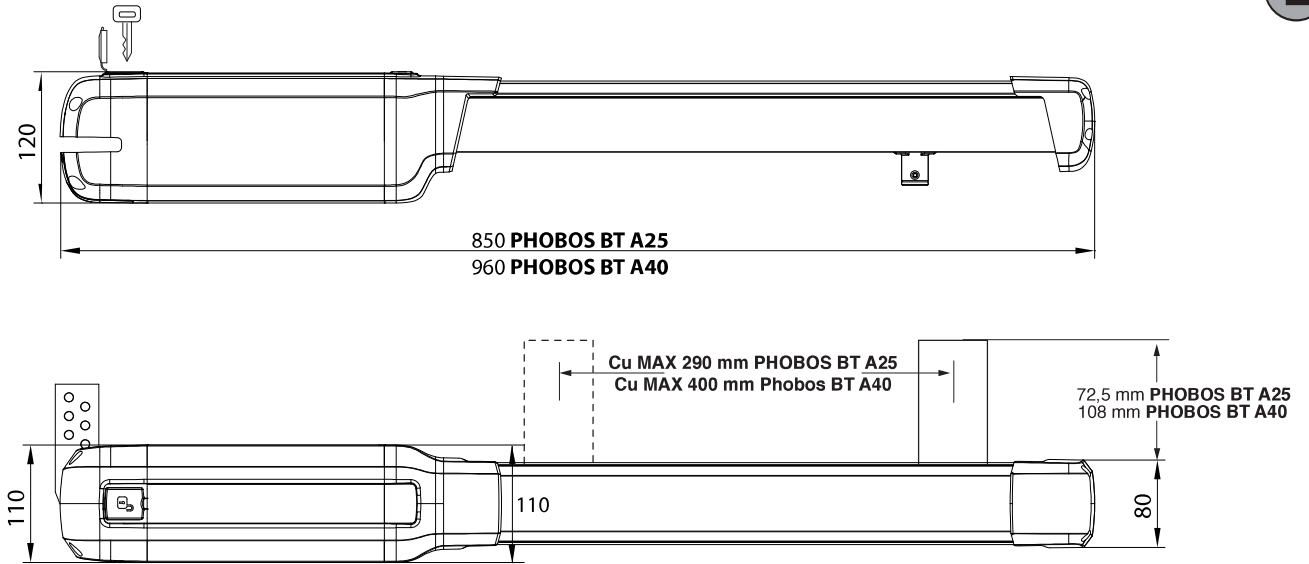
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K

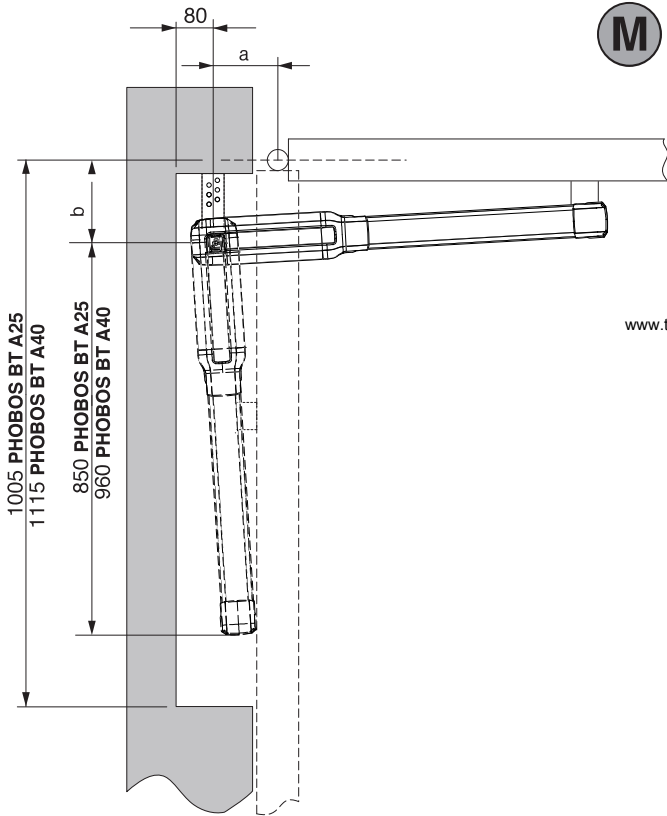


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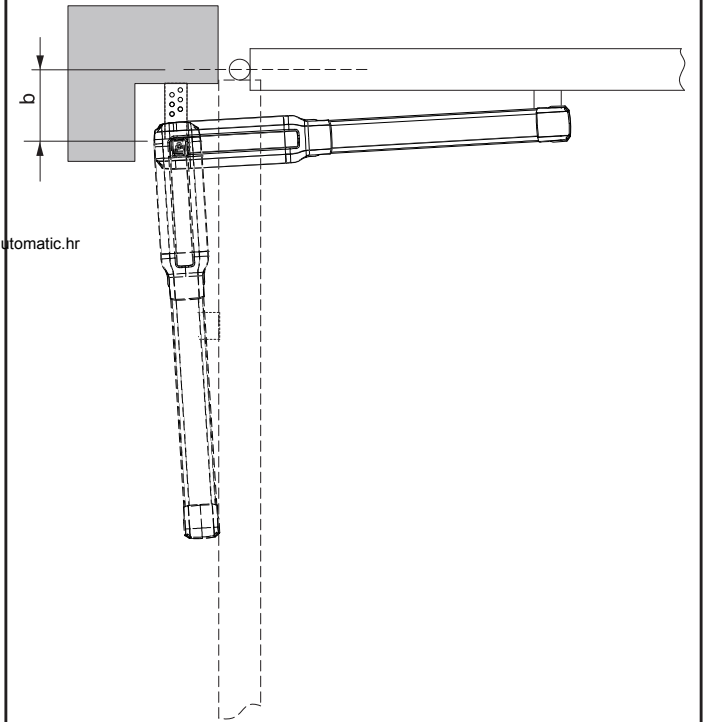


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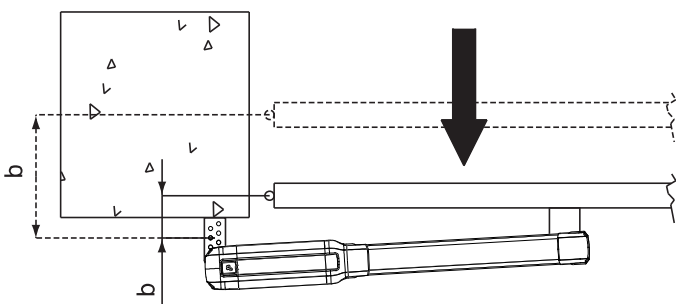


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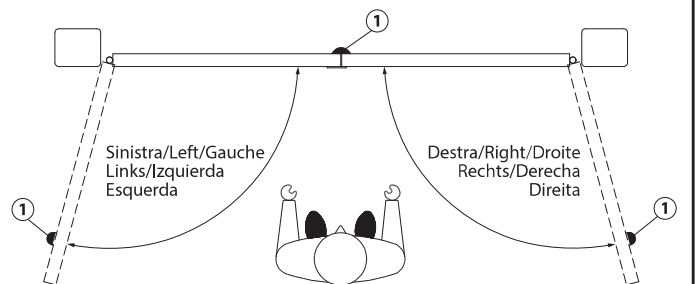
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O



P



INSTALLER WARNINGS

WARNING! Important safety instructions. Carefully read and comply with all the warnings and instructions that come with the product as incorrect installation can cause injury to people and animals and damage to property. The warnings and instructions give important information regarding safety, installation, use and maintenance. Keep hold of instructions so that you can attach them to the technical file and keep them handy for future reference.

GENERAL SAFETY

This product has been designed and built solely for the purpose indicated herein. Uses other than those indicated herein might cause damage to the product and create a hazard.

- The units making up the machine and its installation must meet the requirements of the following European Directives, where applicable: 2004/108/EC, 2006/95/EC, 2006/42/EC, 89/106/EC, 99/05/EC and later amendments. For all countries outside the EEC, it is advisable to comply with the standards mentioned, in addition to any national standards in force, to achieve a good level of safety.
- The Manufacturer of this product (hereinafter referred to as the "Firm") disclaims all responsibility resulting from improper use or any use other than that for which the product has been designed, as indicated herein, as well as for failure to apply Good Practice in the construction of entry systems (doors, gates, etc.) and for deformation that could occur during use.
- Installation must be carried out by qualified personnel (professional installer, according to EN 12635), in compliance with Good Practice and current code.
- Before installing the product, make all structural changes required to produce safety gaps and to provide protection from or isolate all crushing, shearing and dragging hazard areas and danger zones in general in accordance with the provisions of standards EN 12604 and 12453 or any local installation standards. Check that the existing structure meets the necessary strength and stability requirements.
- Before commencing installation, check the product for damage.
- The Firm is not responsible for failure to apply Good Practice in the construction and maintenance of the doors, gates, etc. to be motorized, or for deformation that might occur during use.
- Make sure the stated temperature range is compatible with the site in which the automated system is due to be installed.
- Do not install this product in an explosive atmosphere: the presence of flammable fumes or gas constitutes a serious safety hazard.
- Disconnect the electricity supply before performing any work on the system. Also disconnect buffer batteries, if any are connected.
- Before connecting the power supply, make sure the product's ratings match the mains ratings and that a suitable residual current circuit breaker and overcurrent protection device have been installed upline from the electrical system. Have the automated system's mains power supply fitted with a switch or omnipolar thermal-magnetic circuit breaker with a contact separation that provide full disconnection under overvoltage category III conditions.
- Make sure that upline from the mains power supply there is a residual current circuit breaker that trips at no more than 0.03A as well as any other equipment required by code.
- Make sure the earth system has been installed correctly: earth all the metal parts belonging to the entry system (doors, gates, etc.) and all parts of the system featuring an earth terminal.
- Installation must be carried out using safety devices and controls that meet standards EN 12978 and EN 12453.
- Impact forces can be reduced by using deformable edges.
- In the event impact forces exceed the values laid down by the relevant standards, apply electro-sensitive or pressure-sensitive devices.
- Apply all safety devices (photocells, safety edges, etc.) required to keep the area free of impact, crushing, dragging and shearing hazards. Bear in mind the standards and directives in force, Good Practice criteria, intended use, the installation environment, the operating logic of the system and forces generated by the automated system.
- Apply all signs required by current code to identify hazardous areas (residual risks). All installations must be visibly identified in compliance with the provisions of standard EN 13241-1.
- Once installation is complete, apply a nameplate featuring the door/gate's data. This product cannot be installed on leaves incorporating doors (unless the motor can be activated only when the door is closed).
- If the automated system is installed at a height of less than 2.5 m or is accessible, the electrical and mechanical parts must be suitably protected.
- Install any fixed controls in a position where they will not cause a hazard, away from moving parts. More specifically, hold-to-run controls must be positioned within direct sight of the part being controlled and, unless they are key operated, must be installed at a height of at least 1.5 m and in a place where they cannot be reached by the public.
- Apply at least one warning light (flashing light) in a visible position, and also attach a Warning sign to the structure.
- Attach a label near the operating device, in a permanent fashion, with information on how to operate the automated system's manual release.
- Make sure that, during operation, mechanical risks are avoided or relevant protective measures taken and, more specifically, that nothing can be banged, crushed, caught or cut between the part being operated and surrounding parts.
- Once installation is complete, make sure the motor automation settings are correct and that the safety and release systems are working properly.
- Only use original spare parts for any maintenance or repair work. The Firm disclaims all responsibility for the correct operation and safety of the automated system if parts from other manufacturers are used.
- Do not make any modifications to the automated system's components unless explicitly authorized by the Firm.
- Instruct the system's user on what residual risks may be encountered, on the control systems that have been applied and on how to open the system manually in an emergency, give the user guide to the end user.
- Dispose of packaging materials (plastic, cardboard, polystyrene, etc.) in accordance with the provisions of the laws in force. Keep nylon bags and polystyrene out of reach of children.

WIRING

WARNING! For connection to the mains power supply, use: a multicore cable with a cross-sectional area of at least 5x1.5mm² or 4x1.5mm² when dealing with three-phase power supplies or 3x1.5mm² for single-phase supplies (by way of example, type H05 VV-F cable can be used with a cross-sectional area of 4x1.5mm²). To connect auxiliary equipment, use wires with a cross-sectional area of at least 0.5 mm².

- Only use pushbuttons with a capacity of 10A-250V or more.
- Wires must be secured with additional fastening near the terminals (for example, using cable clamps) in order to keep live parts well separated from safety extra low voltage parts.
- During installation, the power cable must be stripped to allow the earth wire to be connected to the relevant terminal, while leaving the live wires as short as possible. The earth wire must be the last to be pulled taut in the event the cable's fastening device comes loose.

WARNING! safety extra low voltage wires must be kept physically separate from low voltage wires.

Only qualified personnel (professional installer) should be allowed to access live parts.

CHECKING THE AUTOMATED SYSTEM AND MAINTENANCE

Before the automated system is finally put into operation, and during maintenance work, perform the following checks meticulously:

- Make sure all components are fastened securely.
- Check starting and stopping operations in the case of manual control.
- Check the logic for normal or personalized operation.
- For sliding gates only: check that the rack and pinion mesh correctly with 2 mm of play along the full length of the rack; keep the track the gate slides on clean and free of debris at all times.
- For sliding gates and doors only: make sure the gate's running track is straight and horizontal and that the wheels are strong enough to take the weight of the gate.
- For cantilever sliding gates only: make sure there is no dipping or swinging during operation.
- For swing gates only: make sure the leaves' axis of rotation is perfectly vertical.
- For barriers only: before opening the door, the spring must be decompressed (vertical boom).
- Check that all safety devices (photocells, safety edges, etc.) are working properly and that the anti-crush safety device is set correctly, making sure that the force of impact measured at the points provided for by standard EN 12445 is lower than the value laid down by standard EN 12453.
- Impact forces can be reduced by using deformable edges.
- Make sure that the emergency operation works, where this feature is provided.
- Check opening and closing operations with the control devices applied.
- Check that electrical connections and cabling are intact, making extra sure that insulating sheaths and cable glands are undamaged.
- While performing maintenance, clean the photocells' optics.
- When the automated system is out of service for any length of time, activate the emergency release (see "EMERGENCY OPERATION" section) so that the operated part is made idle, thus allowing the gate to be opened and closed manually.
- If the power cord is damaged, it must be replaced by the manufacturer or their technical assistance department or other such qualified person to avoid any risk.
- If "D" type devices are installed (as defined by EN12453), connect in unverified mode, foresee mandatory maintenance at least every six months
- The maintenance described above must be repeated at least once yearly or at shorter intervals where site or installation conditions make this necessary.

WARNING!

Remember that the drive is designed to make the gate/door easier to use and will not solve problems as a result of defective or poorly performed installation or lack of maintenance



SCRAPPING

Materials must be disposed of in accordance with the regulations in force. Do not throw away your discarded equipment or used batteries with household waste. You are responsible for taking all your waste electrical and electronic equipment to a suitable recycling centre.

DISMANTLING

If the automated system is being dismantled in order to be reassembled at another site, you are required to:

- Cut off the power and disconnect the whole electrical system.
- Remove the actuator from the base it is mounted on.
- Remove all the installation's components.
- See to the replacement of any components that cannot be removed or happen to be damaged.

THE DECLARATION OF CONFORMITY CAN BE VIEWED ON THIS WEBSITE: WWW.BFT.IT IN THE PRODUCT SECTION.

Anything that is not explicitly provided for in the installation manual is not allowed. The operator's proper operation can only be guaranteed if the information given is complied with. The Firm shall not be answerable for damage caused by failure to comply with the instructions featured herein.

While we will not alter the product's essential features, the Firm reserves the right, at any time, to make those changes deemed opportune to improve the product from a technical, design or commercial point of view, and will not be required to update this publication accordingly.

2) GENERAL INFORMATION

Electromechanical operator designed to automate residential-type gates. The gearmotor keeps the gate locked on closing and on opening, without needing an electric lock for leaves up to 3 m long. The operator is provided with an electronic torque limiter. It must be controlled by an electronic control panel provided with torque setting. The end-of-stroke operation is controlled by two magnetic limit devices. The operator is provided with an obstacle detection system complying with EN12453 and EN 12445 standards.

The following optional accessories are available on request:

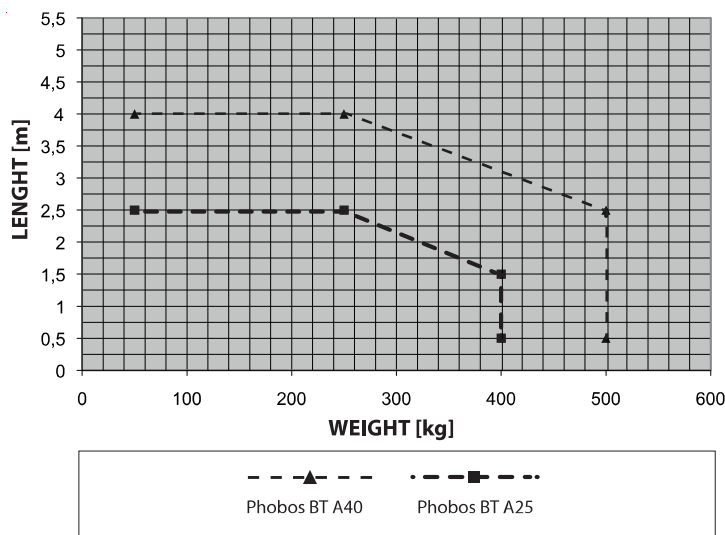
- Buffer battery kit mod. BT BAT

Allows operation of the automation even when there is no mains power supply for a short period of time.

3) TECHNICAL SPECIFICATIONS

Power supply	24V ---
Max. Absorbed power	40 W
Absorbed current	1,5 A
Push and pull force	2500 N (~250 kg)
Stem speed	15 mm/s approx.
Impact reaction	Torque limiter aboard control board
Limit devices	Magnetic, incorporated and adjustable
Manual manoeuvre	Personalized release key
Environmental conditions	-20°C a +55°C
Type of use	semi-intensive
Maximum leaf length without electric lock	2 m PHOBOS BT A25 3 m PHOBOS BT A40
Maximum leaf length with electric lock	2,5 m PHOBOS BT A25 4 m PHOBOS BT A40
Max. leaf weight	4000 N (~400 kg) PHOBOS BT A25 5000 N (~500 kg) PHOBOS BT A40
Protection level	IP X4
Controller weight	50N (~5kg) PHOBOS BT A25 77N (~7,7kg) PHOBOS BT A40
Dimensions	See Fig. L
Lubrication	permanent grease

MAXIMUM LENGTH/DOOR WEIGHT



4) TUBE ARRANGEMENT Fig. A

Install the electrical system referring to the standards in force for electrical systems CEI 64-8, IEC 364, harmonization document HD 384 and other national standards.

5) INSTALLATION DIAGRAM Fig. B

- P rear bracket fastening to pillar
- F front fork fastening leaf
- a-b distances for determining bracket "P" fastening point
- C value of fastening centre-to-centre distance
- D gate length
- X distance from gate axis to corner of pillar
- S half door thickness
- Z value always greater than 45 mm (b - X)
- kg max. weight of leaf
- α° leaf opening angle

6) PILLAR FASTENINGS INSTALLATION DISTANCES Fig. B Rif. 2-3

6.1) How to read the installation distance tables

Select "a" and "b" according to the angle in degrees α° that the gate has to open. The optimum "a" and "b" values for 92° opening at constant speed are highlighted. If there is too large a difference between "a" and "b", the leaf will not travel smoothly and the pushing or pulling force will fluctuate during its stroke. To respect the opening speed and ensure the controller operates correctly, it is best to keep the difference between "a" and "b" as low as possible. The table has been worked out for a 40 mm (PHOBOS BT A40), 20 mm (PHOBOS BT A25) thick medium-size gate. Always check that there is no possible collision between the gate and the operator.

7) FASTENING OF FITTINGS TO PILLAR Fig. C

8) POWER CABLE Fig. D

The board power supply cable must be of the H 05 RN-F type or equivalent. The equivalent cable must guarantee:

- permanent outside use
- maximum temperature on the cable surface of $+50^\circ\text{C}$
- minimum temperature of -25°C

If the motor vibrates but does not rotate, the problem may be:

- Incorrect wiring (see wiring diagram)
 - If the leaf moves in the wrong direction, swap over the motor's start connections in the control unit.
- The first command following a mains power outage should be open STOP LEAVES.

9) ATTACHING MOTOR TO FASTENING ON PILLAR Fig. E

10) MAXIMUM TILT Fig. F

11) CORRECT INSTALLATION Fig. G

Correct installation entails maintaining a rod stroke margin of approx. 5-10 mm to avoid possible trouble with operation.

IMPORTANT: THE FRONT BRACKET MUST BE FITTED WITH THE SLOTS FACING UP (FIG. G RIF. 1).

12) FASTENING OF FITTINGS TO LEAF Fig. H

IMPORTANT: the front bracket must be fitted with the slots facing up (Fig. G Ref. 1). Line up the front and rear brackets as shown in Fig. H Ref. J.

13) OPERATOR ATTACHMENT ON DOOR Fig. I

14) CLOSING LIMIT DEVICE ADJUSTMENT Fig. J

ATTENTION! To avoid braking the limit switch cable, tighten screw A keeping the wire B well tightened (as shown in Fig. J Ref. 3).

15) OPENING LIMIT DEVICE ADJUSTMENT (Fig. K)

16) DIMENSIONS Fig. L

17) TIPS FOR SPECIAL INSTALLATIONS Fig. M, N, O.

With the leaf fully open, create a recess to accommodate the operator.

Fig. M gives the minimum dimensions of the recess for the various **PHOBOS BT A25 - PHOBOS BT A40** models.

If distance "b" is greater than the values given in the installation tables:

- create a recess in the pillar **Fig. N**
- move the leaf so that it is flush with the pillar **Fig. O**.

18) LEAF STOPS AT GROUND LEVEL

For the actuator to work properly, it is advisable to use stops "Fig. P Rif. 1" to stop the leaves both when they are open and closed, as illustrated in **Fig. P**. The leaf stops must prevent the actuator rod from reaching the end of its travel.

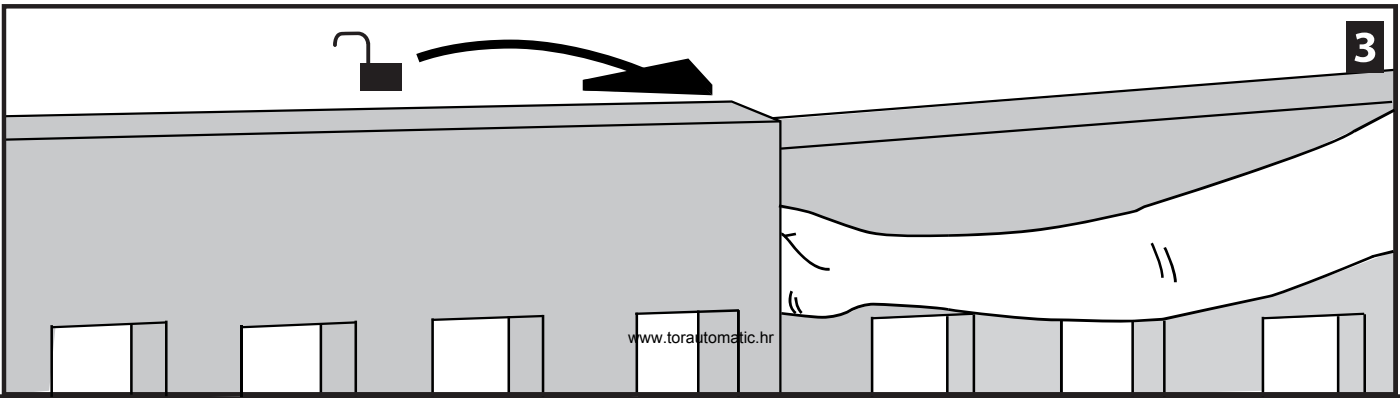
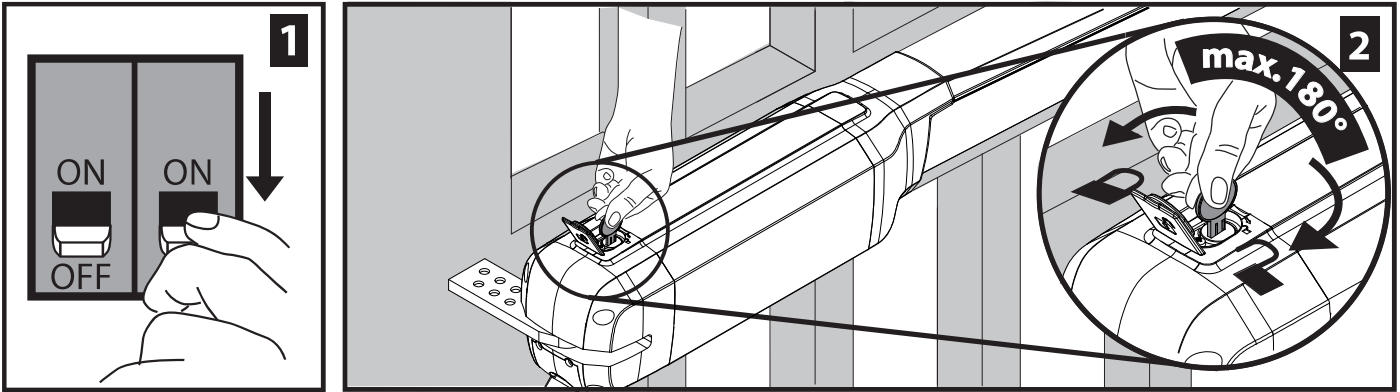
19) MANUAL OPENING (See USER GUIDE -FIG. Y-).

20) ELECTRIC LOCK

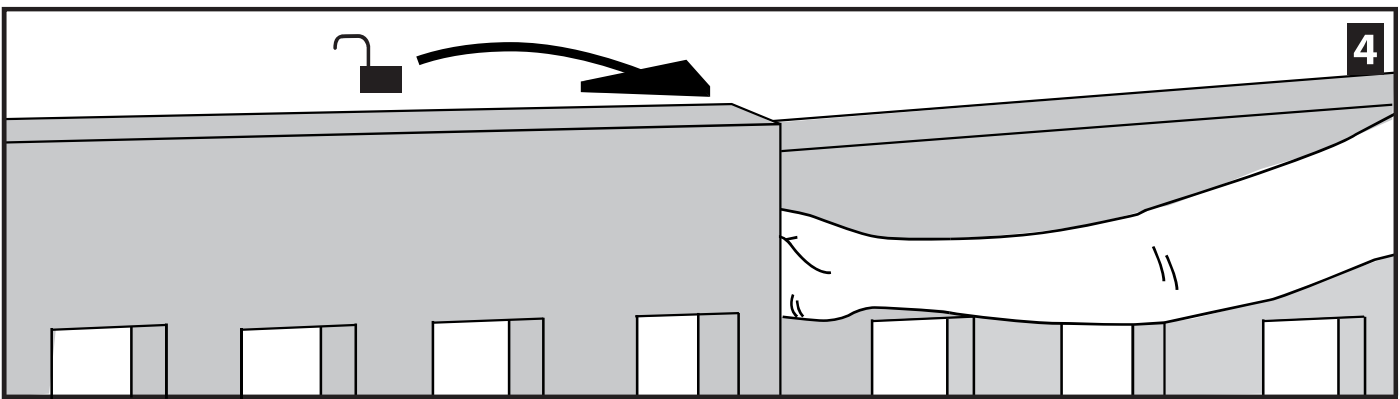
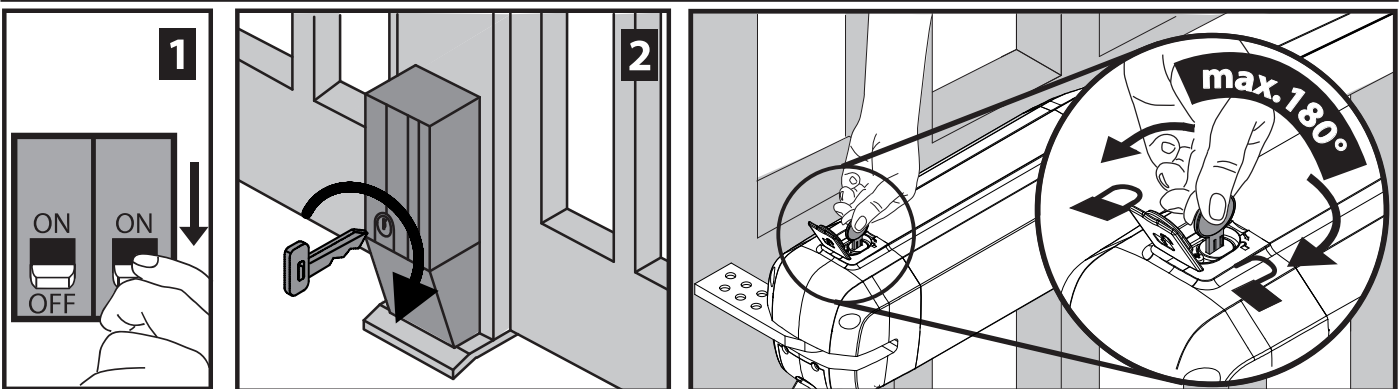
WARNING: In the case of leaves longer than 3m, it is indispensable to install a solenoid latch. For electric lock connection, the optional board is required (refer to the appropriate instruction).

FIG. Y

Senza Elettroserratura, Without electric lock, Sans serrure électrique, Ohne Elektroschloß, Sin electrocerradura, Zonder elektrische sluiting.



Con Elettroserratura, With electric lock, Avec serrure électrique, Mit Elektroschloß, Con electrocerradura, Met elektrische sluiting.



per use can cause injury to people and animals and damage to property. Keep the instructions for future reference and hand them on to any new users.

This product is meant to be used only for the purpose for which it was explicitly installed. Any other use constitutes improper use and, consequently, is hazardous. The manufacturer cannot be held liable for any damage as a result of improper, incorrect or unreasonable use.

GENERAL SAFETY

Thank you for choosing this product. The Firm is confident that its performance will meet your operating needs.

This product meets recognized technical standards and complies with safety provisions when installed correctly by qualified, expert personnel (professional installer).

If installed and used correctly, the automated system will meet operating safety standards. Nonetheless, it is advisable to observe certain rules of behaviour so that accidental problems can be avoided:

- Keep adults, children and property out of range of the automated system, especially while it is moving.
- Do not allow children to play or stand within range of the automated system.
- This automated system is not meant for use by children or by people with impaired mental, physical or sensory capacities, or people who do not have suitable knowledge, unless a person who is responsible for their safety provides them with necessary supervision or instructions on how to use the device.
- Children must be supervised to ensure they do not play with the device. Do not allow children to play with the fixed controls. Keep remote controls out of reach of children.
- Do not work near hinges or moving mechanical parts.
- Do not hinder the leaf's movement and do not attempt to open the door manually unless the actuator has been released with the relevant release knob.
- Keep out of range of the motorized door or gate while they are moving.
- Keep remote controls or other control devices out of reach of children in order to avoid the automated system being operated inadvertently.
- The manual release's activation could result in uncontrolled door movements if there are mechanical faults or loss of balance.
- When using roller shutter openers: keep an eye on the roller shutter while it is moving and keep people away until it has closed completely. Exercise care when activating the release, if such a device is fitted, as an open shutter could drop quickly in the event of wear or breakage.
- The breakage or wear of any mechanical parts of the door (operated part), such as cables, springs, supports, hinges, guides..., may generate a hazard. Have the system checked by qualified, expert personnel (professional installer) at regular intervals according to the instructions issued by the installer or manufacturer of the door.
- When cleaning the outside, always cut off mains power.
- Keep the photocells' optics and illuminating indicator devices clean. Check that no branches or shrubs interfere with the safety devices.
- Do not use the automated system if it is in need of repair. In the event the automated system breaks down or malfunctions, cut off mains power to the

system; do not attempt to repair or perform any other work to rectify the fault yourself and instead call in qualified, expert personnel (professional installer) to perform the necessary repairs or maintenance. To allow access, activate the emergency release (where fitted).

- If any part of the automated system requires direct work of any kind that is not contemplated herein, employ the services of qualified, expert personnel (professional installer).
- At least once a year, have the automated system, and especially all safety devices, checked by qualified, expert personnel (professional installer) to make sure that it is undamaged and working properly.
- A record must be made of any installation, maintenance and repair work and the relevant documentation kept and made available to the user on request.
- Failure to comply with the above may result in hazardous situations.



SCRAPPING

Materials must be disposed of in accordance with the regulations in force. Do not throw away your discarded equipment or used batteries with household waste. You are responsible for taking all your waste electrical and electronic equipment to a suitable recycling centre.

Anything that is not explicitly provided for in the user guide is not allowed. The operator's proper operation can only be guaranteed if the instructions given herein are complied with. The Firm shall not be answerable for damage caused by failure to comply with the instructions featured herein.

While we will not alter the product's essential features, the Firm reserves the right, at any time, to make those changes deemed opportune to improve the product from a technical, design or commercial point of view, and will not be required to update this publication accordingly.

AVERTISSEMENTS POUR L'UTILISATEUR (F)

ATTENTION: pour votre sécurité, après l'activation du déverrouillage, re-verrouillez le vantail en position complètement ouvert ou complètement fermé, vérifiez cette position du vantail avant de procéder à une quelconque activation de l'automatisation.

ATTENTION ! Instructions de sécurité importantes. Veuillez lire et suivre attentivement tous les avertissements et toutes les instructions fournis avec le produit sachant qu'un usage incorrect peut provoquer des préjudices aux personnes, aux animaux ou aux biens. Veuillez conserver les instructions pour d'ultérieures consultations et pour les transmettre aux propriétaires futurs éventuels.

Cet appareil ne peut être destiné qu'à l'usage pour lequel il a été expressément installé. Tout autre usage sera considéré comme impropre et donc dangereux. Le fabricant ne sera en aucun cas considéré comme responsable des préjudices dus à un usage impropre, erroné ou déraisonné.

SECURITE GÉNÉRALE

Nous vous remercions d'avoir choisi ce produit qui, nous n'en doutons pas, saura vous garantir les performances attendues.

Ce produit, correctement installé par du personnel

