

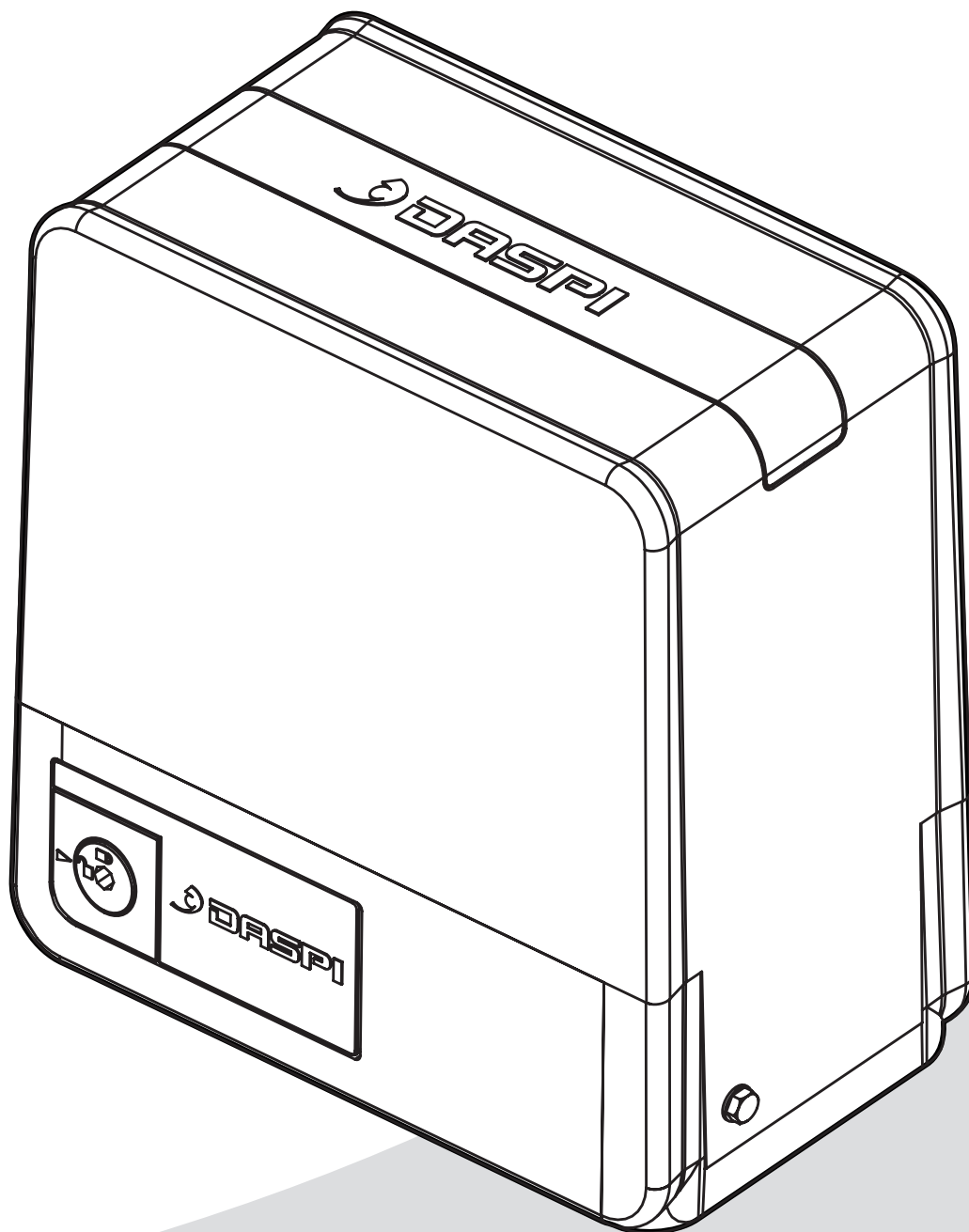
MITO

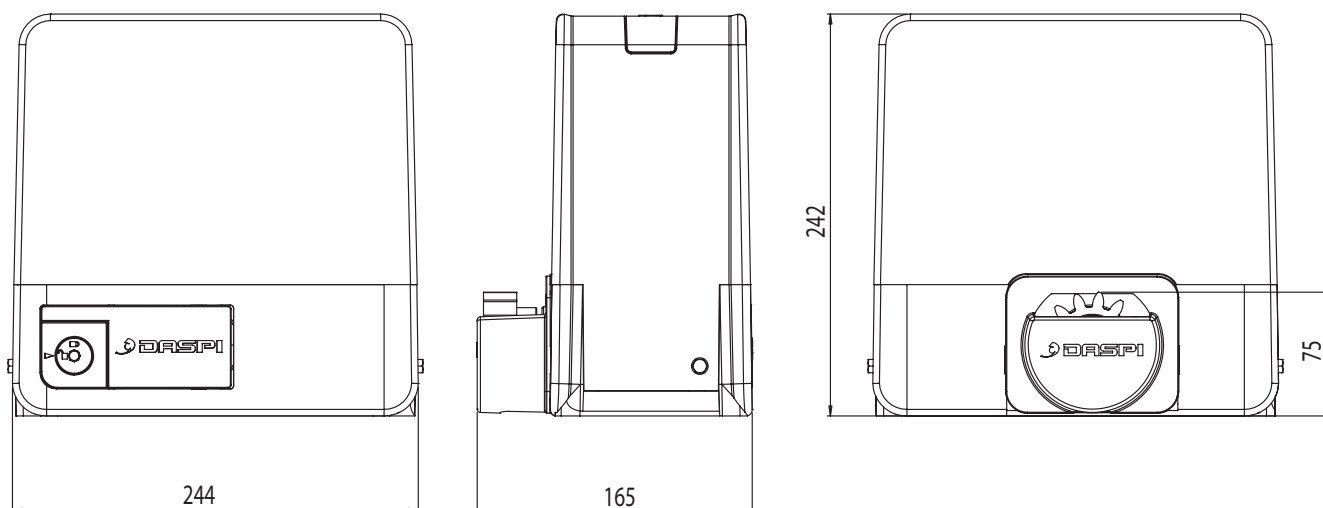
VER. I° • 2010



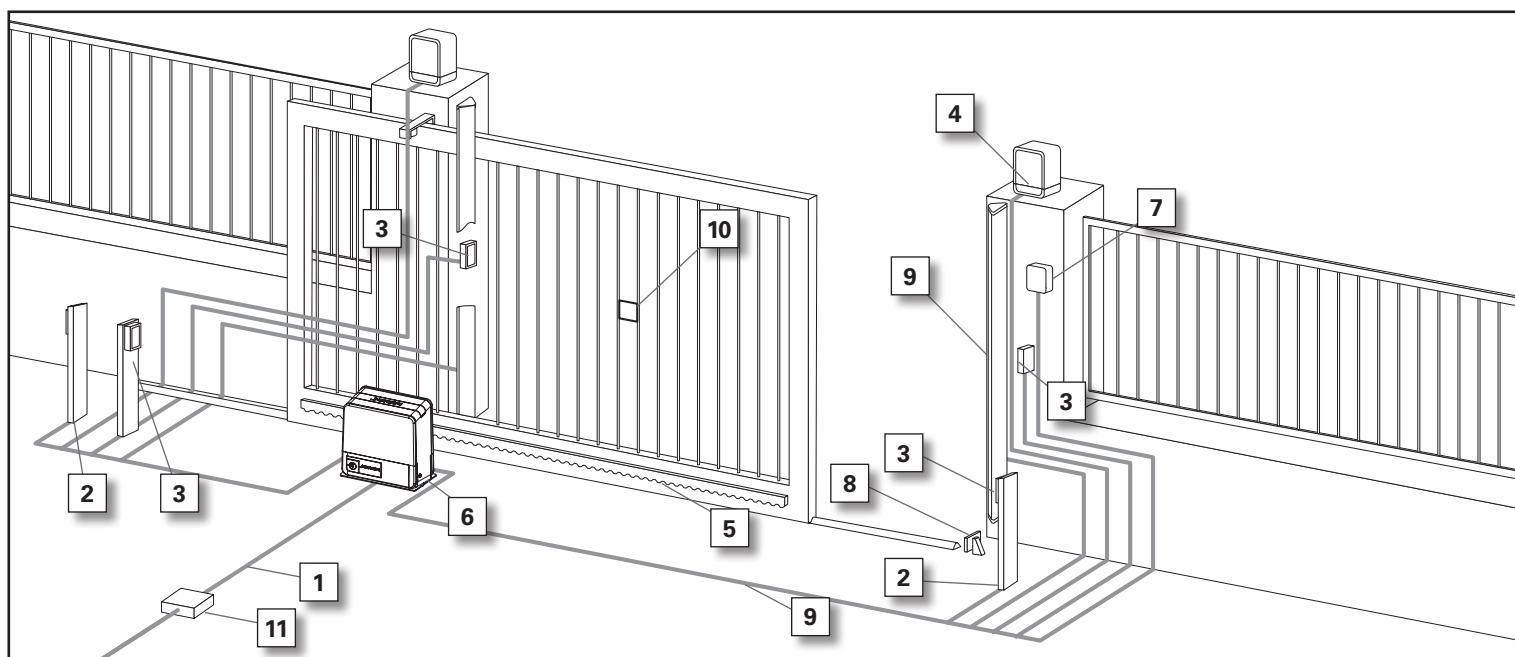
MOTORIDUTTORE PER CANCELLI SCORREVOLI
GEAR MOTOR FOR SLIDING GATES
MOTO-RÉDUCTEUR POUR PORTAILS COULISSANTS
MOTORREDUCTOR PARA PUERTAS CORREDERAS
GETRIEBEMOTOR FÜR SCHIEBETORE

MANUALE D'USO E DI INSTALLAZIONE
INSTRUCTION MANUAL
MANUEL DE INSTRUCTIONS
MANUAL DE INSTRUCCIONES
BETRIEBS- UND MONTAGEANLEITUNG





Tipo Type Tipo Type Typ	PESO MAX CANCELLO MAXIMUM GATE'S WEIGHT POIDS MAXIMUM DU PORTAIL PESO MÁXIMO DE LA PUERTA	ALIMENTAZIONE POWER SUPPLY ALIMENTATION ALIMENTACIÓN SPANNUNGSVERSORGUNG	POTENZA RATED POWER PUISANCE FUERZA LEISTUNG	ASSORBIMENTO ABSORBED POWER PUISANCE ABSORBÉE ABSORCIÓN AUFNAHME	TEMP. DI ESERCIZIO OPERATING TEMPERATURE TEMPÉRATURE D'EMPLOI TEMPERATURA DE FUNCIONAMIENTO BETRIEBSTEMPERATUREN	CICLI LAVORO CYCLER PER HOUR CYCLES PAR HEURE MANOBRAS POR HORA EINSCHALDAUER	GIRI USCITA OUT PUT REVOLUTIONS TOURS SORTIE GIROS EN SALIDA	SPINTA TORQUE FORCE	IP	PESO WEIGHT POIDA PESO GEWICHT
MITO 400	400 KG	24 V	45 W	2,0 A	-25° +70° C	90 %	53 RPM	250 N	54	8 Kg
MITO 600	600 KG	24 V	60 W	3,0 A	-25° +70° C	90 %	53 RPM	300 N	54	9 Kg



QUADRO D'INSIEME

- 1 230 Vac 50 Hz • 3 x 1,5
- 2 Colonnina fotocellula
- 3 Fotocellula • 4 x 1
- 4 Lampeggiante con antenna
3 x 1 + rg58
- 5 Cremagliera
- 6 Motoriduttore MITO
- 7 Selettore a chiave • 3 x 1
- 8 Fermi meccanici
- 9 Costa meccanica • 2 x 1
- 10 Cartello di sicurezza
- 11 Magnetotermico 16 A

ASSEMBLY LINE

- 1 230V line 50 Hz • 3 x 1,5
- 2 Columns photocells
- 3 Photocells • 4 x 1
- 4 Flashing light + Antenne
3 x 1 + rg58
- 5 Rack
- 6 Gear Motor MITO
- 7 Key select switch • 3 x 1
- 8 Mechanical catch
- 9 Mechanical face • 2 x 1
- 10 Security sign-board
- 11 Magnetothermal 16 A

TABLEAU D'ENSEMBLE

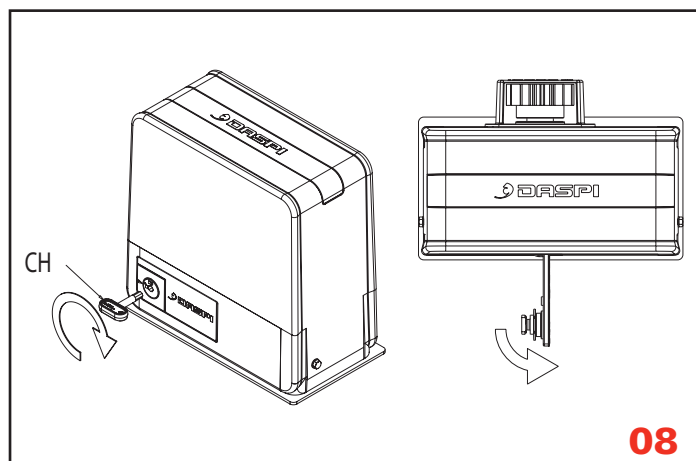
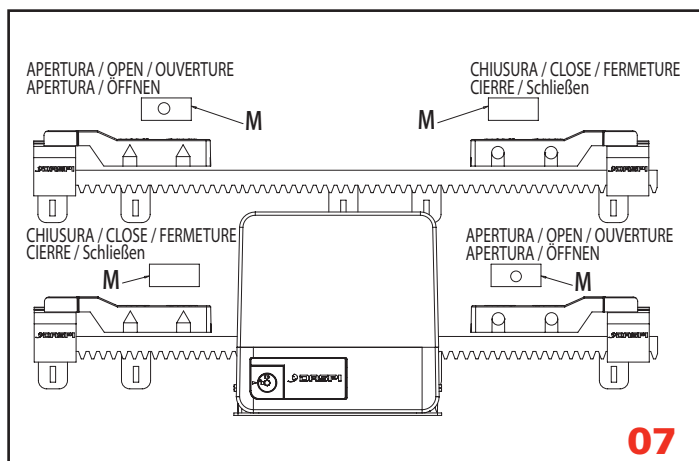
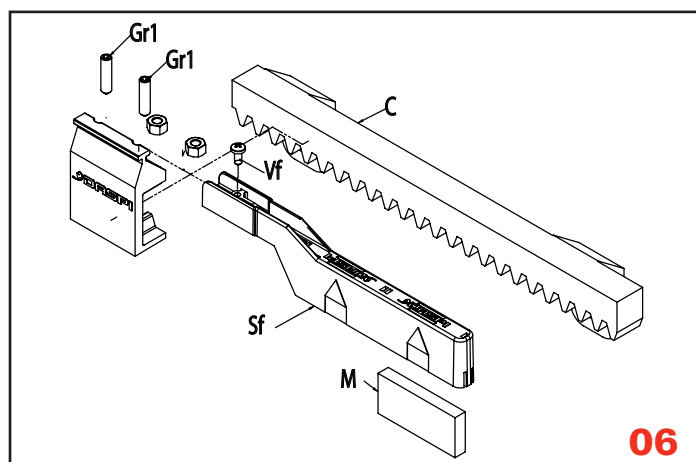
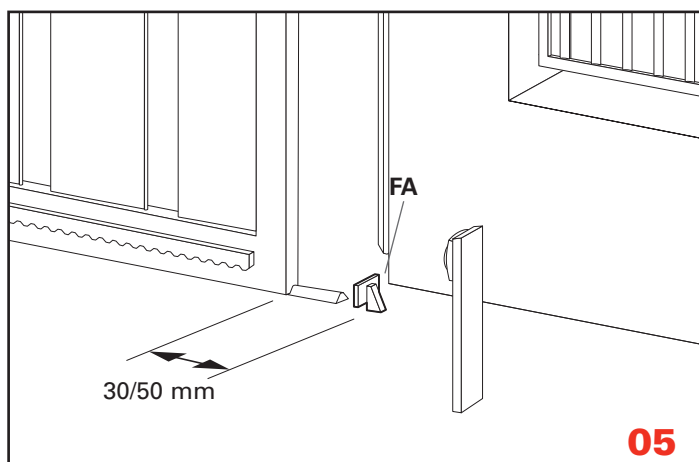
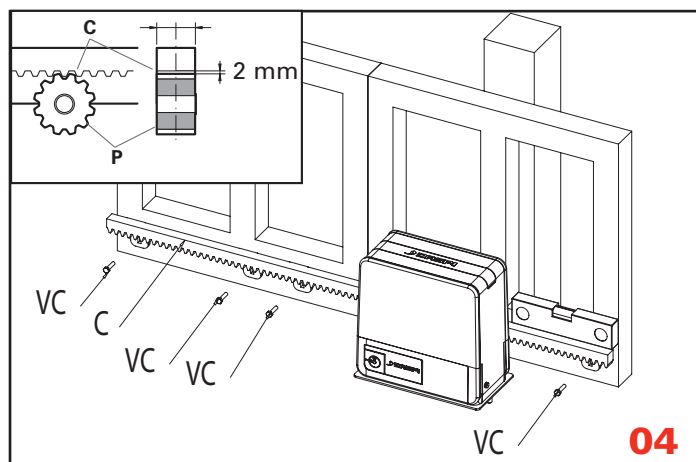
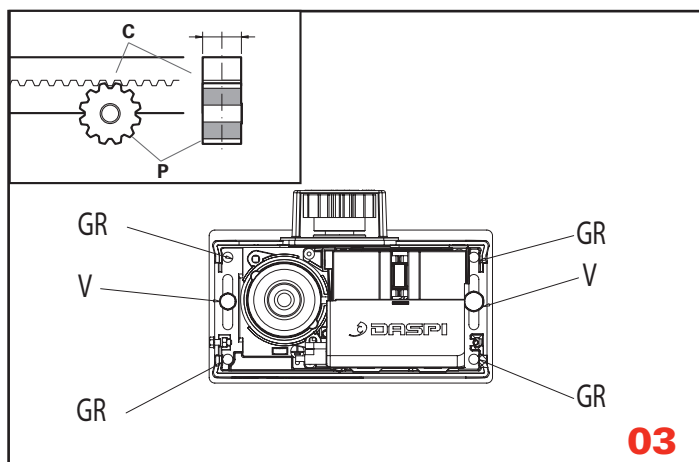
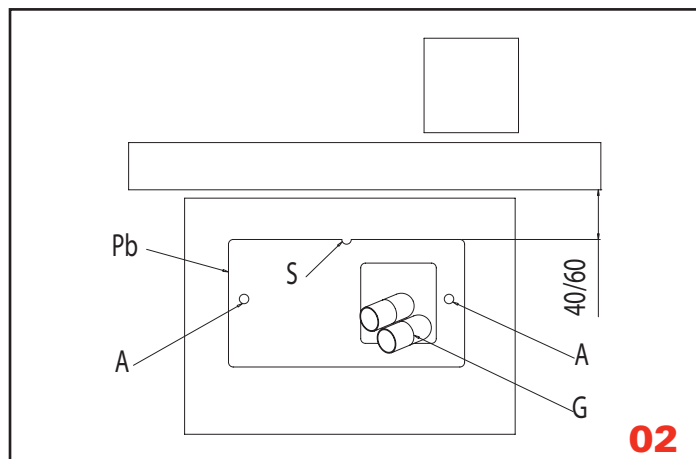
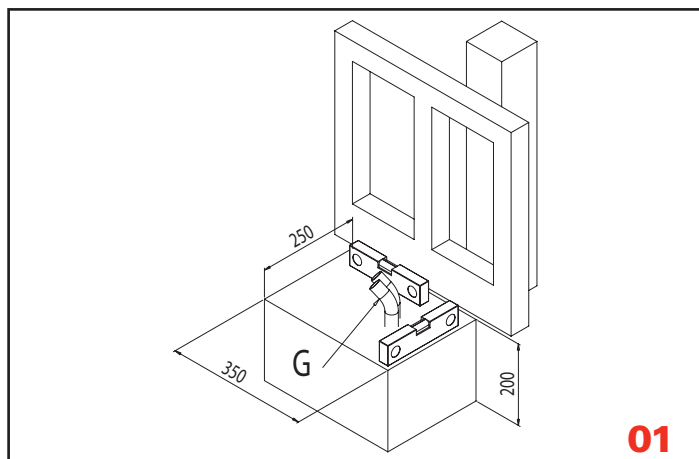
- 1 Ligne à 230V • 3 x 1,5
- 2 Colonne pour cellule
photo-électrique
- 3 Cellule photo-électrique
4 x 1
- 4 Clignoteur + Antenne
3 x 1 + rg58
- 5 Crémaillère
- 6 Motoréducteur MITO
- 7 Sélecteur à clé • 3 x 1
- 8 Fijaciones mécano
- 9 Tranche mécanique • 2 x 1
- 10 écriteau de sûreté
- 11 magnetotermico 16 A

ESQUEMA DE CONJUNTO

- 1 230 V 50 Hz • 3 x 1,5
- 2 Columna para fotocélula
- 3 Fotocélula • 4 x 1
- 4 Luz de advertencia
+ Antena • 3 x 1 + rg58
- 5 Cremallera
- 6 Motorreductor MITO
- 7 Selector de lave • 3 x 1
- 8 Fijaciones mécano
- 9 Lomo de goma mecánico
2 x 1
- 10 Cartel de seguridad
- 11 Magnetotermico 16 A

ÜBERSICHT

- 1 230 V 50 Hz • 3 x 1,5
- 2 Fotozellenhalterung
- 3 Fotozelle • 4 x 1
- 4 Blinkleuchte mit Antenne
3 x 1 + rg58
- 5 Zahnstange
- 6 Getriebemotor MITO
- 7 Schlüsselschalter • 3 x 1
- 8 Mechanische Endanschläge
- 9 Mechanische Leiste • 2 x 1
- 10 Sicherheitsschild
- 11 Magnetothermischer
Schutzschalter 16 A



GENERAL SAFETY RULES

Our compliments for your excellent choice. Your new electromechanical barrier has been produced according to a high quality and strict reliability, that's why it will assure you long-lasting performance. This booklet will offer you all the pieces of information you may need to install your barrier and to safe guard your safety.

All our products have been made in conformity with the regulations in force. We recommend using original part only, during the installation and the upkeep. However, the caution is unquestionably indispensable and nothing is better than preventing accidents.

IMPORTANT

Any installation or repair, or adjustment of the working machinery by unqualified people is strictly prohibited unless all the necessary precautions: power supply disconnected (included possible batteries). All moving mechanism must be provided with suitable protections.

DASPI is not responsible for any possible damages or injuries to people, object or animals, caused by any use not provided for this booklet and/or any unauthorized modification of the product. Keep scrupulously this booklet enclosing it with technical brochure of installation in a suitable place well-known by all the interested people. You have to operate the elimination of the packing material (cardboard, plastic, polystyrene, etc.) in conformity with the regulations in force, remembering that for a child a plastic envelope could be extremely dangerous. You have to teach the people employed in using the automation

about the control and security systems of the installation. Don't install this product in explosive places.

Upkeep

For any kind of upkeep, you have always to cut off the power supply.

For a correct upkeep of the installation where you have installed the gear motor MITO follow carefully these instructions:

Clean periodically the photocells.

Checking by qualified people the electronic clutch (see the paragraph "Installation of the electronic central unit").

Lubricate periodically the guide and the wheel of the gate.

In case of malfunction going and seeing qualified people.

DEMOLITION

You have to operate the elimination of the materials in conformity with the regulations in force. All material must be divided by type (copper, aluminium, plastic, electrical central unit). However there are not material considered dangerous for the handler.

DISMANTLING

In order to dismantle or to move away the automation, follow these instructions:

Cut off the power supply and disconnect the electrical installation.

Dismantle the control console and all the other components of the installation.

If you have noticed that some components have been damaged, you have to replace them.



SECURITY
DISTANCE



MECHANISM
IN MOVEMENT



DO NOT INSTALL THE
AUTOMATION IN PLACE FULL
OF EXPLOSIVE MOISTURES



ELECTRIC SHOCK



USE
THE GLOVES



USE GLASSES
FOR WELDING



KEEP THE PROTECTION
COVER

TYPE OF PRODUCT

The MITO gearmotor is designed and built to open sliding gates weighing from 400 kg or 600 kg depending on the version, which can be verified by checking the product packaging or through the serial number.

DASPI will assume no liability for any unintended or improper use of the MITO gearmotor.

WARNING: The MITO gearmotor is not supplied with a mechanical clutch and therefore must be installed in combination with the appropriate DASPI control panel or with a control panel equipped with an electronic clutch.

USE OF THE AUTOMATION

As the automation can be controlled from the distance through a remote control, you must always check the full efficiency of all the safety devices. We recommend inspecting periodically (every 6 Month) by qualified people the adjustment of the electronic clutch. If you need to calibrate the protection consult the paragraph "Adjustment of the electronic clutch" in the instruction booklet of the electronic central unit.

PRELIMINARY CHECKS

- Read carefully the instruction.
- Check that the product has not been damaged during the transport.
- Check that the gate structure is strong and that during its movement there aren't friction points
- Check that the electrical installation is in accordance with the characteristic required by the gear motor.
- Check that there is a suitable ground safety system and that the metallic parts of the installation are connected.
- Check that the manual manoeuvre always is easily practicable.
- Remember that the automation makes easy the use of the gate but don't resolve the problems due to a defective installation or to a faulty of upkeep.

LUBRIFICATION

The gear motor MITO is provided with permanent lubrication

INSTALLATION

Important safety instructions to be followed during installation. Warning: incorrect installation may cause serious damage or injury. Follow all the installation instructions meticulously. Identify the correct point of installation of MITO inside the property.

This is usually near to the support pillar on which the gate slides. Build a solid base in cement to the size as shown in figure 1, taking into account the sleeves "G" for the passage of the power supply and control cables for the system. Once set, position plate "Pb" on the cement base according to the measurements shown in figure 2, and mark the holes "A" in which the wall-plugs will be fixed. Remove the plate "Pb" and drill the relative holes in the cement into which the wall-plugs (not provided) with M8 screws, will be fitted. Introduce the wall-plugs and re-position the "Pb" plate.

Position the MITO gearmotor on the plate and fix together with the wall-plug screws "V" using the relative washers (figure 3). If the rack is already installed, ensure that the pinion "P" engages in the rack for its entire width. Perform the emergency or manual manoeuvre (see paragraph 'Emergency or manual manoeuvre') and place the gate in its maximum opening position.

Place one of the extremities of the rack "C" on the pinion "P", and while keeping it in a horizontal position, start to fix it by soldering or by using the appropriate "Vc" screws (figure 4). Gradually move the gate forward as the rack is being fixed and check that it does not force on the pinion or move too far away from it. If the longitudinal axis of the gate is not straight, shims must be placed between the gate and the rack to guarantee that the pinion and the rack are constantly centered. Once the rack "C" has been fixed definitely, adjust the play-gap by approximately 2 mm between the pinion and the rack by using the adjustment dowels "Gr" (figure 3). Once the procedure is completed, use once more the manual manoeuvre to open and close the gate to ensure a correct alignment (there must be no points of friction).

WARNING

The life of the pinion and the rack decisively depend on a perfect alignment of the two.

The gate must be equipped with mechanical stoppers "Fa" (figure 5) in both the opening and closing positions in order to prevent the gate from derailing. Mechanical stoppers "Fa" must guarantee an anti-crushing area between the mobile and fixed parts of the gate.

Refer to the current regulations for the dimensions of such areas. Manually place the gate in the open position, and according to the gate weight, leave a space of 30-50 mm between the gate and the mechanical stopper "Fa" (figure 5). Fit the limit switch brackets as shown in figure 6. Introduce the magnets "M" into the brackets "Sf" positioning them via the small sphere impressed on the magnets as in figure 7.

Mount the assembled brackets to the rack "C" in the required position and fix with the dowels "Gr1". After switching on the power supply, use the manual manoeuvre to check that when the magnet levels with the gearmotor pinion the led of the engaged limit switch turns off.

To identify the led, refer to the instruction manual of the relative control unit installed.

If the opposite led lights up in relation to the engaged limit switch, check that the magnets have been correctly positioned as in figure 7, or alternatively, invert the limit

switch wires connecting the control unit.

After that, carry out the automatic manoeuvre, and if necessary, carry out a micrometrical adjustment of the "Vf" screw by unscrewing it and by moving the "Sf" bracket. Connect the electrical wires as explained in the manual of the electronic control unit and install the mandatory safety devices.

Instruct all personnel operating the device how to use the controls, the safety devices, the emergency manoeuvre and about the dangers involved in the use of the automation system.

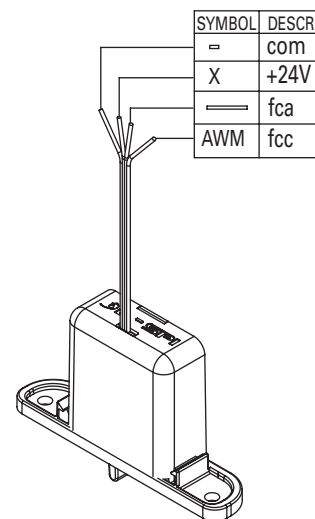
Complete the technical booklet and fulfil any obligations deriving from current regulations. The correct functioning of the various versions of MITO is only and exclusively guaranteed when equipped with DASPI safety devices and only when combined with an original control boards.

TURNING OFF THE POWER SUPPLY

Turn the key "CH" clockwise, then extract the handle at 90° towards the operator (figure 8) and manually open the gate. To re-establish normal functioning of the automation unit, place the handle in its original position.

Store the key "CH" in a safe place only known to the operators who use the automation unit. Switch on the power supply and ensure that there are no persons in the area in which the gate is moving.

WIRING DIAGRAM FOR MAGNETIC SWITCHES



DICHIARAZIONE CE DI CONFORMITA' TIPO "B"

DIRETTIVA 89/392 CEE E SUCCESSIVE MODIFICHE • RECEPIMENTO NAZIONALE DPR 459/96

*Motoriduttore per cancelli scorrevoli: modello **MITO** (tutti i tipi)*

E' conforme alle seguenti direttive:

Direttiva 89-392 CEE e successive modifiche DPR 459/96 Allegato 1

Direttiva 73/23 CEE apparecchi a bassa tensione
norme armonizzate: **EN 60204-1, EN 60335-2**

Direttiva 89/336 CEE compatibilità elettromagnetica
norme armonizzate **EN 55022, IEC 1000-3-2, IEC 1000-3-3**

E' FATTO DIVIETO, PER LA MACCHINA OGGETTO DELLA PRESENTE DICHIARAZIONE, DI ESSERE MESSA IN SERVIZIO PRIMA CHE LA MACCHINA IN CUI SARA' INCORPORATA O ASSIEMATA, NEL CASO SPECIFICO "CANCELLO SCORREVOLE AUTOMATICO", SIA STATA DICHIARATA CONFORME ALLE DISPOSIZIONI DELLA NORMATIVA.

Malo 02/03/2010

DASPI automazione cancelli s.r.l.
via Copernico 76/78
36034 Malo • (VI) • Italy

Spinella Denis
Legale Rappresentante

DASPI AUTOMAZIONE CANCELLI S.R.L. SI RISERVA IL DIRITTO DI APPORTARE TUTTE LE MODIFICHE CHE RITERRÀ OPPORTUNO AL FINE DI MIGLIORARE I PRODOTTI PRESENTI NEL SEGUENTE MANUALE. LE ILLUSTRAZIONI E FOTOGRAFIE SONO PURAMENTE INDICATIVE. E' VIETATO L'USO E LA RIPRODUZIONE ANCHE PARZIALE DEL MATERIALE QUI PRESENTATO. TUTTI I DIRITTI SONO RISERVATI.

DASPI AUTOMAZIONE CANCELLI S.R.L. RESERVES THE RIGHT TO MAKE EVERY OPPORTUNE CHANGE IN ORDER TO IMPROVE ITS PRODUCTS. APPEARING IN THIS MANUAL. THE PICTURES AND PHOTOGRAPHS ARE JUST AS AN INDICATION. EVERY USE AND REPRODUCTION OF THE HERE MENTIONED PRODUCTS, OR OF PART OF THEM, IS FORBIDDEN. ALL RIGHTS ARE RESERVED.

DASPI AUTOMAZIONE CANCELLI S.R.L. SE RÉSERVE LE DROIT D'APPORTER TOUTES LES MODIFICATIONS QU'ELLE JUGE BONNES POUR AMÉLIORER LES PRODUITS PRÉSENTS DANS CE MANUEL. LES ILLUSTRATIONS ET LES PHOTOGRAPHIES SONT PUREMENT INDICATIVES. IL EST INTERDIT L'EMPLOI ET LA REPRODUCTION MÊME PARTIELLE DE CES DOCUMENTS SANS ACCORD ÉCRIT. TOUTS LES DROITS ÉTANT RÉSERVÉS.

DASPI AUTOMAZIONE CANCELLI S.R.L. SE RESERVA EL DERECHO DE HACER TODAS LAS MODIFICACIONES NECESARIAS PARA MEJORAR LOS PRODUCTOS PRESENTADOS EN ESTE MANUAL. LAS ILUSTRACIONES Y FOTOGRAFÍAS SON INDICATIVAS. SE PROHÍBE EL UTILIZO Y LA REPRODUCCIÓN DE LOS MATERIALES PRESENTADOS, O DE UNA PARTE DE ÉSTE. TODOS LOS DERECHOS ESTÁN RESERVADOS.

DIE FIRMA "DASPI AUTOMAZIONE CANCELLI S.R.L." BEHÄLT SICH DAS RECHT AUF DIE VORNAHME SÄMTLICHER ÄNDERUNGEN VOR, DIE SIE ZUR VERBESSERUNG DER IM FOLGENDEN HANDBUCH BEHANDELTEN PRODUKTE FÜR GEBOTEN ERACHTET. DIE BILDDARSTELLUNGEN UND FOTOGRAFIE ERHEBEN KEINEN ANSPRUCH AUF RICHTIGKEIT. DIE NUTZUNG UND Vervielfältigung DES HIER PRÄSENTIERTEN MATERIALS IST - AUCH IN TEILEN - UNTERSAGT. ALLE RECHTE WERDEN VORBEHALTEN.



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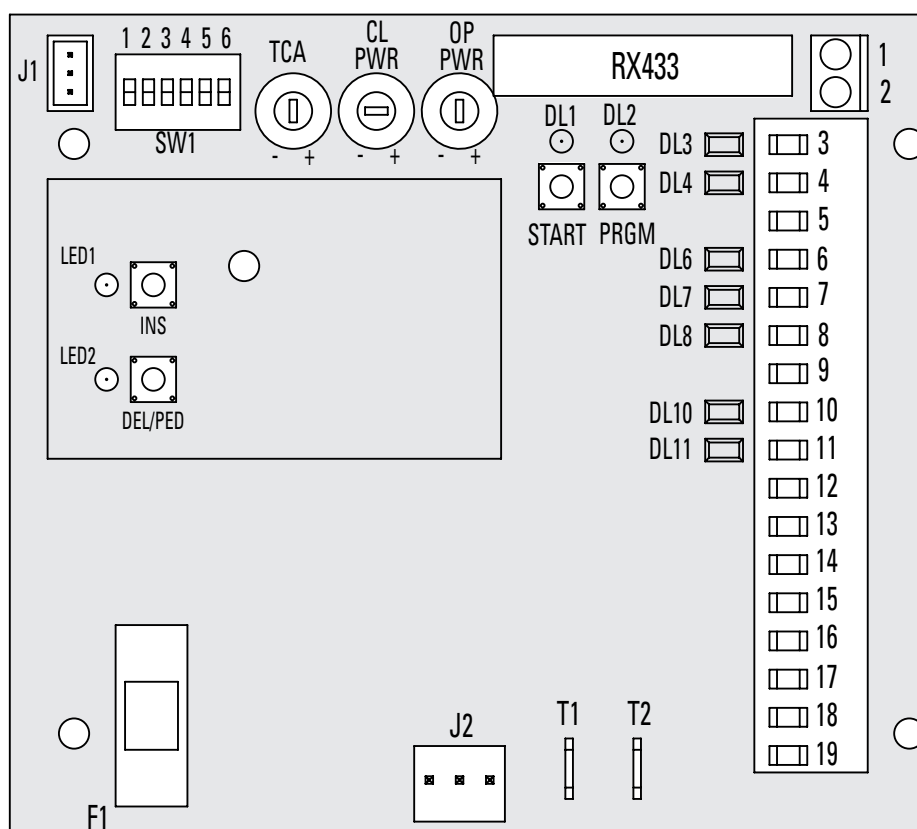
PIXEL

VER. III° • 2010



CENTRALE DI COMANDO PER CANCELLI SCORREVOLI 24 Vdc
CONTROL PANEL FOR 24 Vdc SLIDING GATES
CENTRAL DE CONTROL PARA PUERTAS CORREDIZA 24 Vdc
CENTRALE DE COMMANDES POUR PORTAILS COULISSANTS 24 Vcc

MANUALE D'USO E DI INSTALLAZIONE
INSTRUCTIONS MANUAL
MANUAL DE INSTRUCCIONES
MANUEL D'UTILISATION ET D'INSTALLATION



EN 1 • GENERAL SAFETY INFORMATION ATTENTION: It is prohibited to carry out any kind of assembly, repair or adjustment to the apparatus by unqualified staff, and if the necessary precautions haven't been taken and electricity supply disconnected (including any back-up batteries), in order to avoid any possible accident or injury, DASPI will not be responsible for any damage or injury to people, animals or objects resulting from improper use of the apparatus or for use other than what is specified in this instruction booklet, and/or resulting from any modification carried out on this product and its components. This control panel is not suitable for installation in an explosive atmosphere. **Keep this manual with care, enclose it to the technical installation file and keep them in a suitable and convenient place known by whoever is concerned, for future reference.**

2 • PRODUCT TYPE The PIXEL control panel has been designed to operate a motor 24 Vdc for sliding gates. It is supplied with an electronic clutch and has a radio receiver incorporated.

3 • TRIMMERS

TCA	Pause time from 0 to 120 seconds
OP PWR	Opening torque
CL PWR	Closing torque

4 • PROGRAMMING AND SETTING THE CONTROL PANEL

Switching DIP-SWITCHES must always be carried out with control panel disconnected from the electricity mains

SW1	ON	OFF
1	To enable 3 seconds pre-opening flashing light	No pre-opening flashing light
2	To disable START command while gate is opening (residential mode)	START command active also while gate is opening , the gate stops
3	To activate additional feature "Close after passing through photocells". Attention! This feature can be activated only with photocells connected to output 13-14	Function not activated
4	High sensitivity during slowing down	Low sensitivity during slowing down
5	To make terminal 17 to work as courtesy light output	To make terminal 17 to work as gate open warning light output
6	To activate PHOTOTEST feature. Attention! This feature can be activated only with photocells connected to output 12-13. Before each operation the control panel checks if contact of photocells is open. If not open flasher remains steadily on and the gate does not work.	Function not activated

LED TABLE

DL1	Red LED to indicate use of START button command on control panel	DL8	Red LED lights up when the SAFETY EDGE contact opens
DL2	Red LED indicates the programming input mode and the various phases that can be activated using the PRGM button on the control board	DL10	Red LED lights up when the FCC contact opens
DL3	Green LED lights up when the PED contact closes.	DL11	Red LED lights up when the FCA contact opens
DL4	Green LED lights up when the START contact closes	LED1	Red LED indicates of radio codes
DL6	Red LED lights up when the STOP contact opens	LED2	Red LED indicates of radio codes on PED button or the cancellation of existing ones
DL7	Red LED lights up when PHOTO contact opens. With photocells connected to output 12-13 and gate still it remains lit up; it switches off when gate starts and it lights up again at the opening of the photocell contact.		

In case LED indications do not match the table above, check connections and proper order of connected devices.

5 • RECEIVER

433.92 MHz radio receiver Storing capacity up to 256 remote controls (Tx) with different codes.

STORING REMOTE CONTROLS.

After connecting to the electricity mains the control panel, LED2 should lights up for 1 second.

If this does not light up, or if both **LED1** and **LED2** simultaneously light up, contact Customer Services.

1 - Press INS button on the panel for storing a START command, or press DEL/PED on the panel for storing a pedestrian command. LED2 lights up.

2 - Push the desired remote control button twice to store the radio code. The first push will make **LED2** turns off and then on, while the second push will make **LED2** flash 3 times to indicate that radio code has been stored. If something goes wrong, the procedure terminates without the 3 flashes of **LED2**.

Once **INS** or **PED/DEL** button on the receiver has been pressed and after the first push on remote control storing procedure must be complete in 10 seconds. In case the same remote control button is mistakenly stored for both **START** and **PED** pedestrian command , the gate won't work and **LED1** will flash. If this occurs, t code must be deleted (as described below) and stored again in the correct command.

DELETING RADIO CODES

Keep **DEL/PED** button pressed for 5 seconds: **LED1** and **LED2** will light up. From now on deleting procedure is the same as storing procedure:

Push the remote control button twice to delete radio code. The first push will make **LED2** turns off and then on, while the second push will make **LED2** flash 3 times to indicate that radio code has been deleted. If something goes wrong, the procedure terminates without the 3 flashes of **LED2**.

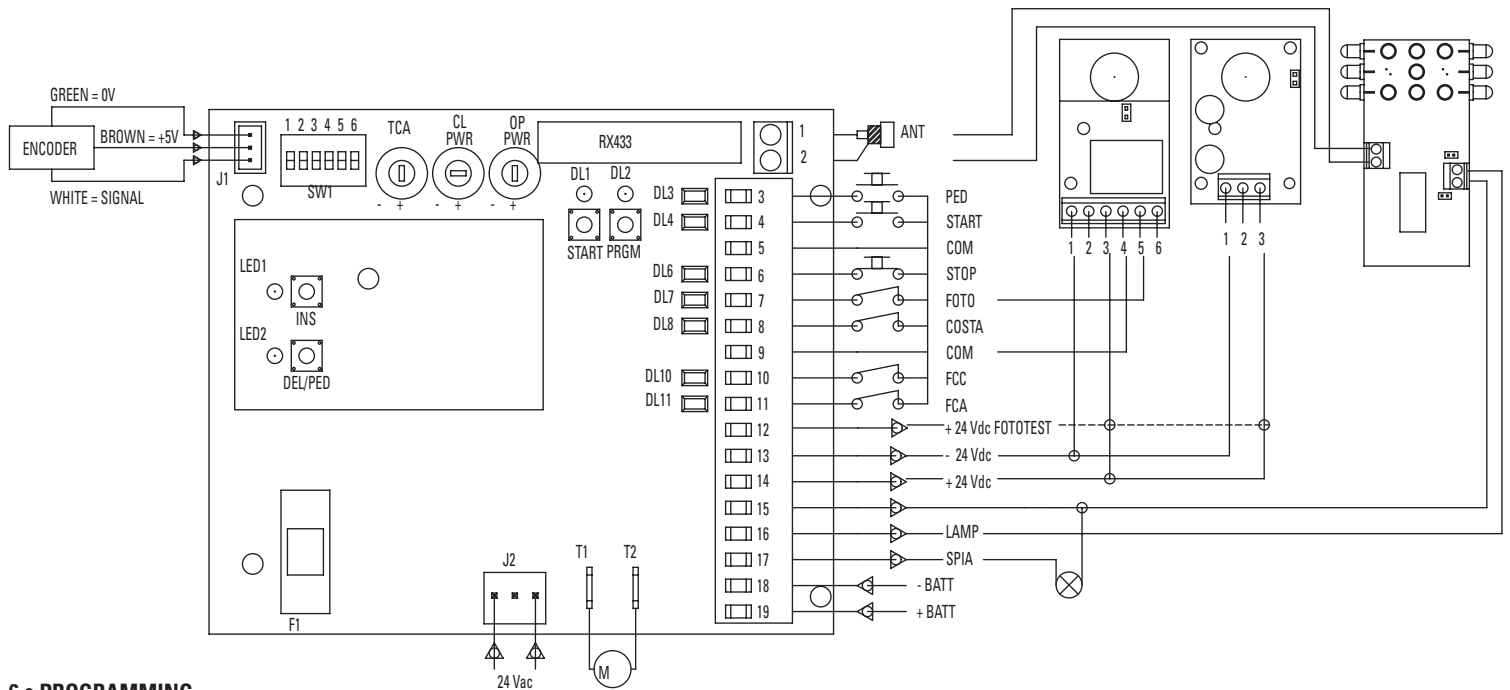
Once **INS** or **PED/DEL** button on the receiver has been pressed and after the first push on remote controlstoring procedure must be complete in 10 seconds.

DELETING ALL RADIO CODES

Keep **DEL/PED** button pressed for 10 seconds: **LED1** and **LED2** will flash 3 times to indicate that all radio codes have been deleted.

N.B. If inputs which are normally closed (N.C.) are not being used, they must be bridged. If more than one N.C. contacts are used on the same terminal inputs, they must be connected in series. If more than one N.O. (normally open) contacts are used on the same input they must be connected in parallel.

1 2		Antenna input to connect the 'hot' pole of the antenna to terminal 1 and the braid to terminal 2	13 14		Permanent output power to photocells. Attention! Use only with feature PHOTOTEST disabled DIP6 = OFF otherwise the gate won't work and the blinker lights up steadily. 14+/13- (max 150mA)
3 5		PED Input activates pedestrian opening when the gate is closed and it closes the gate when it is open.	15 13		Output for additional accessories 24Vdc 13-/15+ (max. 500mA)
4 5		START input open the gate when it is closed, it stops the gate while opening (if DIP2 = OFF), it closes the gate when the gate is opening, and open during closing	15 16		Flashing light output: intermittent output 24Vd DC max 10W
5 6		STOP Input. If activated it stops every movement.	15 17		SPIA Output DIP5 = OFF, fast flashing light during closing, slow flashing during opening, continuous light when gate is open, flasher switched off when gate is closed
7 9		PHOTO input with DIP3 = OFF gate reverses movement during closing and during opening it is ignored. With DIP3 = ON during closing it stops the gate and after clearing photocells it closes again. During opening it stops the gate and after clearing the photocells, it closes.	15 17		Courtesy light output DIP5 = ONlight on for 120 seconds (24 Vac Max 10W)
8 9		SAFETY EDGE Input (COSTA).	18 19		Backup battery input
9 10		Input for closing limit switch N.C. contact	T1 T2		Motor output 24 Vdc.
9 11		Input for opening limit switch N.C. contact	J1		ENCODER connector
12 13		Output power only during movement of the gate for photocells. Useful for energy saving while gate is still and mandatory in order to use feature PHOTOTEST DIP6=ON. (max 150mA)	J2		Connector for secondary input of the transformer 24 Vac



6 • PROGRAMMING

It must be carried out after installing all safety devices, in order to reduce risk of injury.

Preliminary checks:

- Connect control panel to the electricity mains.
- Check that all LEDs are switched off. If photocells are powered through output 12-13 LED DL7, must be switched on.

Programming:

1. N.B. The gate must be closed and the closing limit switch engaged LED DL10 = ON.

- Hold button **PRGM** down until led **DL2** begins flashing and then remains steady.
 - Give a first **START** command (or remote control command previously stored as in the instructions), the gate opens.
 - While opening is almost completed, give a second **START** command, to fix opening slowing down. The gate will continue the travel until the opening limit switch is engaged and the led **DL2** turns off. After 3 seconds the gate closes automatically.
 - While closing is almost completed, give a third **START** command to fix slowing down in closing. The gate will continue the travel until the closing limit switch is engaged. After 3 seconds the gate opens automatically.
 - Once reached the desired pedestrian opening, give a fourth **START** command, the gate is stopped and this fix the partial pedestrian opening. After 3 seconds the gate closes automatically and the programming is now completed.
- If within 10 seconds from point 2 the sequence of programming is not started, led **DL2** turns off and the procedure is terminated automatically.
- During programming procedure any **STOP** command or photocell intervention will cause the termination of programming procedure (The gate stops, the led **DL2** turns off and program is cancelled). It is mandatory to follow strictly the sequence described above.

Adjustment:

- Operating trimmers **CL PWR** - **OP PWR** are for adjusting the torque, in order to make the gate stop as required by regulations and carry out the necessary measurements.
 - Exceeding the set torque level will make the anti- crushing feature intervene: while closing the gate reverses the movement until complete opening, during opening it reverses the movement for about 10 cm and it stops. Attention! In case of intervention for 3 consecutive times of anti-crushing feature during closing, the gate will remain open and the automatic closing (if activated) will be disabled. It is now required a start command closing of the gate.
 - Set the length of the pause time using trimmer **TCA** (from 0 = excluded to 120 seconds)
- Give information to people involved in the use of the gate about operations and commands, safety devices and any danger arising from the use of the automation. Fill in the technical installation file and comply with current regulations.



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