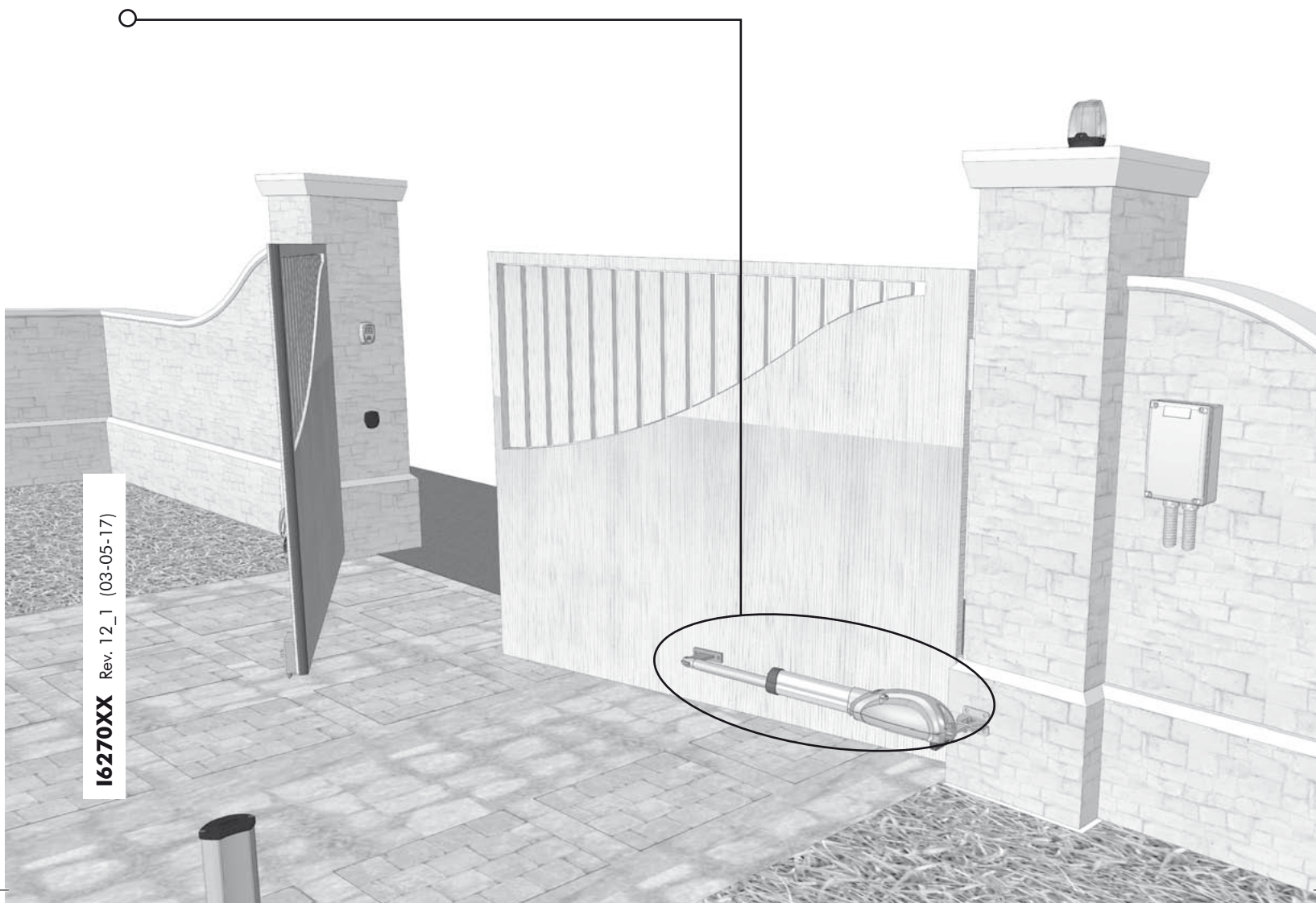
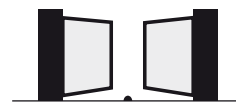


LOOK

DEA[®]

move as you like

- IT** **Operatore elettromeccanico per cancelli ad anta battente**
Istruzioni d'uso ed avvertenze
- EN** **Electro-mechanical operator for swing gates**
Operating instructions and warnings
- FR** **Opérateur électromécanique pour portails battants**
Notice d'emploi et avertissements
- DE** **Elektromechanischer Antrieb für Flügeltore**
Bedienungsanleitung und Hinweise
- ES** **Operador electromecánico para puertas con hoja batiente**
Instrucciones de uso y advertencias
- PT** **Operador electromecânico para portões de folha batente**
Instruções para utilização e advertências
- PL** **Siłownik elektromechaniczny do bram skrzydłowych**
Instrukcja montażu i użytkowania



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DEA SYSTEM S.p.A.
Via Della Tecnica, 6
36013 PIOVENE ROCCHETTE (VI) - ITALY

LIEVORE TIZIANO
Amministratore



LOOK

Electro-mechanical ram for swing gates

Operating instructions and warnings

Index

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EN

1 WARNINGS SUMMARY

WARNING! IMPORTANT SAFETY INSTRUCTIONS. CAREFULLY READ AND FOLLOW ALL WARNINGS AND INSTRUCTIONS THAT ACCOMPANY THE PRODUCT SINCE INCORRECT INSTALLATION COULD CAUSE HARM TO PEOPLE, ANIMALS OR THINGS. WARNINGS AND INSTRUCTIONS PROVIDE IMPORTANT INFORMATION REGARDING SAFETY, INSTALLATION, USE AND MAINTENANCE. KEEP THE INSTRUCTIONS TOGETHER WITH THE TECHNICAL DOCUMENTATION AND FOR FUTURE REFERENCE.

⚠ **WARNING** The device may be used by children of less than 8 years of age, people with reduced physical, mental or sensory impairment, or generally anyone without experience or, in any case, the required experience provided the device is used under surveillance or that users have received proper training on safe use of the device and are aware of the dangers related to its use.

⚠ **WARNING** Do not allow children to play with the device, the fixed commands or the radio controls of the system.

⚠ **WARNING** Product use in abnormal conditions not foreseen by the manufacturer may generate hazardous situations; meet the conditions indicated in these instructions.

⚠ **WARNING DEA** System reminds all users that the selection, positioning and installation of all materials and devices which make up the complete automation system, must comply with the European Directives 2006/42/CE (Machinery Directive), 2014/30/UE (electromagnetic compatibility), 2014/35/UE (low voltage electrical equipment). In order to ensure a suitable level of safety, besides complying with local regulations, it is advisable to comply also with the above mentioned Directives in all extra European countries.

⚠ **WARNING** Under no circumstances use the device in an explosive atmosphere or in areas that may be corrosive or could damage product parts. Check that the temperatures at the installation site are suitable and comply with the temperatures declared on the product label.

⚠ **WARNING** When working with the “dead man” switch, make sure that there are no people in the area where the automatism is being used.

⚠ **WARNING** Check that there is a switch or an omni polar magneto-thermal circuit breaker that enables complete disconnection in case of over voltage category III conditions installed upstream from the power system.

⚠ **WARNING** To ensure an appropriate level of electrical safety always keep the 230V power supply cables apart (minimum 4mm in the open or 1 mm through insulation) from low voltage cables (motors power supply, controls, electric locks, aerial and auxiliary circuits power supply), and fasten the latter with appropriate clamps near the terminal boards.

⚠ **WARNING** If the power cable is damaged, it must be replaced by the manufacturer or its technical assistance service or, in any case, by a person with similar qualifications to prevent any risk.

⚠ **WARNING** All installation, maintenance, cleaning or repair operations on any part of the system must be performed exclusively by qualified personnel with the power supply disconnected working in strict compliance with the electrical standards and regulations in force in the nation of installation.

Cleaning and maintenance destined to be performed by the user must not be performed by unsupervised children.

⚠ **WARNING** Using spare parts not indicated by **DEA** System and/or incorrect re-assembly can create risk to people, animals and property and also damage the product. For this reason, always use only the parts indicated by **DEA** System and scrupulously follow all assembly instructions.

⚠ **WARNING** Changing the closing intensity could lead to dangerous situations. Therefore, qualified personnel should only perform increases to the closing force. After adjustment, compliance with regulatory limits values should be detected with a force impact-measuring instrument. The sensitivity of the obstacle detection may be adjusted gradually to the door (see programming instructions). The anti-crushing device operation must be checked after each manual adjustment. Manual modification of the force can only be done by qualified personnel by performing the measurement test according to EN 12445. Modifications to the force adjustment must be documented in the machine manual.

⚠ **WARNING** The compliance of the internal sensing obstacles device to requirements of EN12453 is guaranteed only if used in conjunction with motors fitted with encoders.

⚠ **WARNING** Any external security devices used for compliance with the limits of impact forces must be conform to standard EN12978.

⚠ **WARNING** In compliance with EU Directive 2012/19/EU on waste electrical and electronic equipment (WEEE), this electrical product should not be treated as municipal mixed waste. Please dispose of the product and bring it to the collection for an appropriate local municipal recycling.

EVERYTHING THAT IS NOT EXPRESSLY PROVIDED FOR IN THE INSTALLATION MANUAL IS NOT ALLOWED. CORRECT OPERATOR OPERATION IS ONLY ENSUED WHEN THE REPORTED DATA IS RESPECTED. THE COMPANY DOES NOT RESPOND FOR DAMAGE CAUSED BY FAILURE TO COMPLY WITH THE INSTRUCTIONS CONTAINED IN THIS MANUAL. WITHOUT AFFECTING THE ESSENTIAL FEATURES OF THE PRODUCT, THE COMPANY RESERVES THE RIGHT TO MAKE ANY CHANGES DEEMED APPROPRIATE AND AT ANY TIME IN ORDER TO TECHNICALLY, STRUCTURALLY AND COMMERCIALY IMPROVE THE PRODUCT WITHOUT BEING REQUIRED TO UPDATE THIS DOCUMENT.

2 PRODUCT DESCRIPTION

Models and contents of the package

LOOK identifies a family of operators with different characteristics as regards the supply voltage, the reversibility and the presence of the encoder.

LOOK is designed for installation in residential swing gates, is composed primarily of a mechanical gear motor that drives the lead screw fastened to the front attachment by means of the adjustment screw.

LOOK is completed by a set of accessories listed in the "PRODUCT ACCESSORIES" table (page 49).

Inspect the "Contents of the Package" (Pic. 1) and compare it with your product for useful consultation during assembly.

Transport

LOOK is always delivered packed in boxes that provide adequate protection to the product, however, pay attention to all information that may be provided on the same box for storage and handling.

3 TECHNICAL DATA

	351/SC - 352/SC - 351EN/SC	355/SC - 356/SC - 355EN/SC	353/SC - 354/SC	357/SC - 358/SC	371/SC - 371EN/SC - 372/SC	373/SC - 374/SC - 373EN/SC	371E/SC
Motor power supply voltage (V)	230 V ~ ±10% (50/60 Hz)				24 V ===		
Absorbed power (W)	300				60	50	
Max Thrust (N)	1650	1200		1000		500	
Duty cycle (cycles/hour)	22 - 25 (351EN)				40	10	
Maximum n° of operations in 24 hour	110				110	50	
Built-in capacitor (µF)	8	10		/			
Operating temperature range (°C)	-20÷50 °C						
Motor thermal protection (°C)	150				/		
Opening time 90° (s)	16	12,5	17	13,5	14	15	15
Weight of product with package (Kg)	9	9,5	9	9,5	9		
Protection degree	IP24						

EN

4 INSTALLATION AND ASSEMBLY

4.1 For a satisfactory installation of the product is important to:

- Verify that the gate complies with the legal requirements and then define the complete project of the installation;
- Verify that the gate is well balanced and that it has no points of friction in opening and closing;
- Identify an area that allows a smooth and safe manual operation of the operator;
- Verify that the operator bulk (Pic. 2) is compatible with the area chosen for the fitting (Pic. 3);
- Use the length/weight graphic and the provided installations dimensions (Pic. 4) evaluating whether you prefer a 90° or higher opening (Pic. 4).

4.2 Defined and satisfied these prerequisites, proceed to the assembly:

- Fix the rear junction to the pillar by welding (Pic. 5);
- Fix the front junction to the gate by welding (Pic. 6);
- Keeping the motor in a horizontal position, mount it first to the front bracket, then to the rear bracket (Pic. 7) ensuring that installation dimensions shown in Picture 4 are respected.

WARNING In order to make the structure sufficiently strong, reinforcement plates to be fixed to attachments may be necessary.

WARNING Grease pins before assembly.

4.3 How to unlock the operator

WARNING Disconnect the power supply from the control panel before releasing the operator. In case you cannot turn the power off, you will necessarily have to re-lock the motor in the position in which it was unlocked.

- Turn the cap placed on the back of LOOK in order to discover the underlying shaped hole;
- Insert the release key inside the shaped hole paying attention to the direction of insertion (Pic. 8.a);
- Rotate 90 degrees (counterclockwise to unlock, clockwise to lock) the release key (Pic. 8.b).

WARNING Remember to protect the lock with the respective cover so that the operator is protected by water or powder (even when it remains unlocked for a long time).

WARNING During this operation gate may perform uncontrolled movements: operate with extra care so to avoid any risk.

4.4 Adjustment of the limit-switches

After the installing, limit switches must be adjusted (only for models that foresee them) as follows (Pic. 9):

WARNING When adjusting the limit switches, take away the little cover of the extrusion using a screwdriver and check the correct internal microswitches are moving (Pic. 10).

- Unscrew the A fixing nuts so to operate on C and D screws
- Adjust opening and closing limit switches
- Screw the A fixing screws by keeping C and D blocked by a screwdriver so to maintain the adjustments.

WARNING While closing the inspection cover, use silicone to seal the leak (Pic. 11).

5 ELECTRICAL CONNECTIONS

WARNING For adequate electrical safety, keep low safety voltage wires (controls, electro-locks, antenna, auxiliary power) clearly separate from 230V ~ power wires (**minimum 4 mm in air or 1 mm via supplementary insulation**) placing them in plastic raceways and securing them with adequate clamps near terminal boards.

WARNING All wires must be striped and unsheathed in the immediate vicinity of terminals. Keep wires slightly longer to subsequently eliminate any excess.

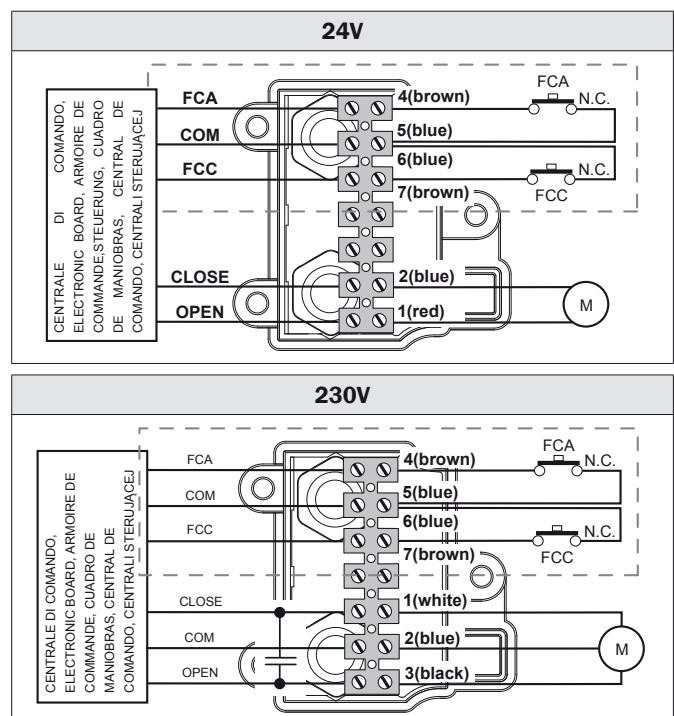
WARNING To connect the encoder to the control panel, use only a dedicated cable 3x0,22mm².

Connection for 24V and 230V

- Remove the plastic cover positioned under LOOK (Pic. 12).
- Open one of four shaped holes and choose where the cable exit has to be (Pic. 13).
- Introduce the cable clamp and fix it by its nut (Pic. 14).
- Insert the power supply cable into the clamp (coming from the control panel): A quadropole cable suitable for external applications with a 4x1mm² section (or 3x1mm² for 24V operators) (minimum FROR, H05RN-F type) (Pic. 15).

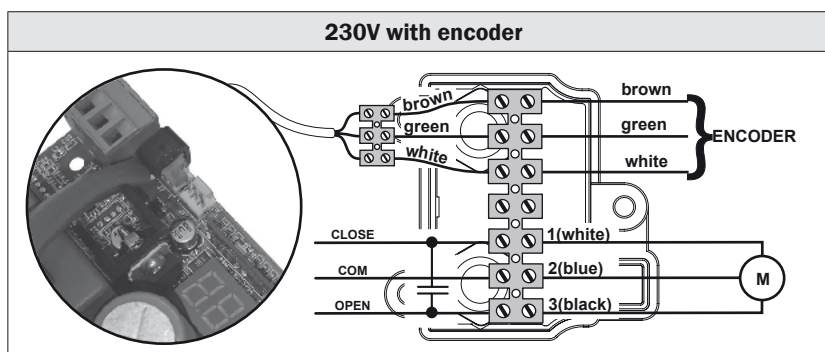
Connection for 24V and 230V with limit switches

- For the operator power supply connection follow the instructions of the basic version.
- Open a second hole in the plastic cover and apply the second provided cable clamp (a reduced M16).
- Use a 3x0,75mm² cable (not supplied) for a correct limit switches wiring to the control panel.



Connection for 230V version with encoder

- For the operator power supply connection follow the instructions of the basic version.
- Open a second hole in the plastic cover and apply the second provided cable clamp (a reduced M16).
- Use a 3x0,75mm² (ex. H05RN-F) and follow the diagram to correctly connect the encoder to the control board.
- Use the cable with panduit connector supplied in the kit to connect the previously used cable to the control board, by using the clamp 3 “poli” inside the package.



WARNING Maintain the ground conductor at a major length respect the active conductors so that, if the cable exit from its fixing housing, the active conductors tighten up as first.

WARNING Respect the Phase-Neutral polarity of the tension as explained by the instructions manual of the control panels of LOOK.

- Re-assemble the plastic cover ensuring that any cable do not touch moving parts of the operator.

WARNING while installing, maintain a proper distance between the power cable conductors and the operator.

Program the control board to complete all adjustments. It is now possible to supply a complete installation in compliance with all standards required for gate automation. See the instructions provided with the control panel to be connected.

Finally, verify that all adjustments operations have been correctly performed and that safety devices and unlocking device properly work.

6 START-UP

The start-up phase is very important to ensure maximum security and compliance to regulations, including all the requirements of EN 12445 standard which establishes the test methods for testing the automation for gates.

DEA System reminds that all installation, maintenance, cleaning or repair operations on any part of the system must be performed exclusively by qualified personnel who must be responsible of all texts requie by the eventual risk;

6.1 Installation test

The testing operation is essential in order to verify the correct installation of the system. **DEA** System wants to summarize the proper testing of all the automation in 4 easy steps:

- Make sure that you comply strictly as described in paragraph 2 “WARNINGS SUMMARY”;
- Test the opening and closing making sure that the movement of the leaf match as expected. We suggest in this regard to perform various tests to assess the smoothness of the gate and defects in assembly or adjustment;
- Ensure that all safety devices connected work properly;
- Perform the measurement of impact forces in accordance with the standard 12445 to find the setting that ensures compliance with the limits set by the standard EN12453.

WARNING Using spare parts not indicated by **DEA** System and/or incorrect re-assembly can create a risk to people, animals and property and also damage the product. For this reason, always use only the parts indicated by **DEA** System and scrupulously follow all assembly instructions.

6.2 Unlocking and Manual operation

In the event of malfunctions or simple power failure, release the motor (Pic. 8) and perform the operation manually.

The knowledge of the unlocking operation is very important, because in times of emergency the lack of timeliness in acting on such a device can be dangerous.

WARNING The efficacy and safety of manual operation of the automation is guaranteed by **DEA** System only if the installation has been installed correctly and with original accessories.

7 MAINTENANCE

Good preventive maintenance and regular inspection ensure long working life. In the table below you will find a list of inspections/ maintenance operations to be programmed and executed periodically.

Consult the TROUBLE-SHOOTING table whenever anomalies are observed in order to find the solution to the problem and contact DEA System directly whenever the solution required is not provided.

INTERVENTION TYPE	PERIODICITY
cleaning of external surfaces	6 months
checking of screw tightening	6 months
checking of release mechanism operation	6 months
greasing of articulated joint	1 year

TROUBLE-SHOOTING	
Description	Possible solutions
When the opening command is given, the leaf fails to move and the operator's electric motor fails to start.	The operator is not receiving correct power supply. Check all connections, fuses, and the power supply cable conditions and replace or repair if necessary. Check that the unlocking system is closed (see Pic.8).
When the opening command is given, the motor starts but the leaf fails to move.	Make sure that the electronic device for electric power adjustment is in good condition. If the piston remains at the complete end of its stroke when the gate is closed, review the assembly procedure.
The operator jerks during movement.	If the leaf does not move freely, release the ram and readjust the rotation points. The power of the gear motor may be insufficient for the characteristics of the gate's wing; check the choice of model whenever required. The operator's front and rear attachments bend or are not fastened correctly. Repair or replace.

8 PRODUCT DISPOSAL

LOOK consists of materials of various types, some of which can be recycled (electrical cables, plastic, aluminum, etc. ...) while others must be disposed of (electronic boards and components).

Proceed as follows:

1. Disconnect the power supply;
2. Disconnect and disassemble all the accessories connected. Follow the instructions in reverse to that described in the section "Installation";
3. Remove the electronic components;
4. Sorting and disposing of the materials exactly as per the regulations in the country of sale.



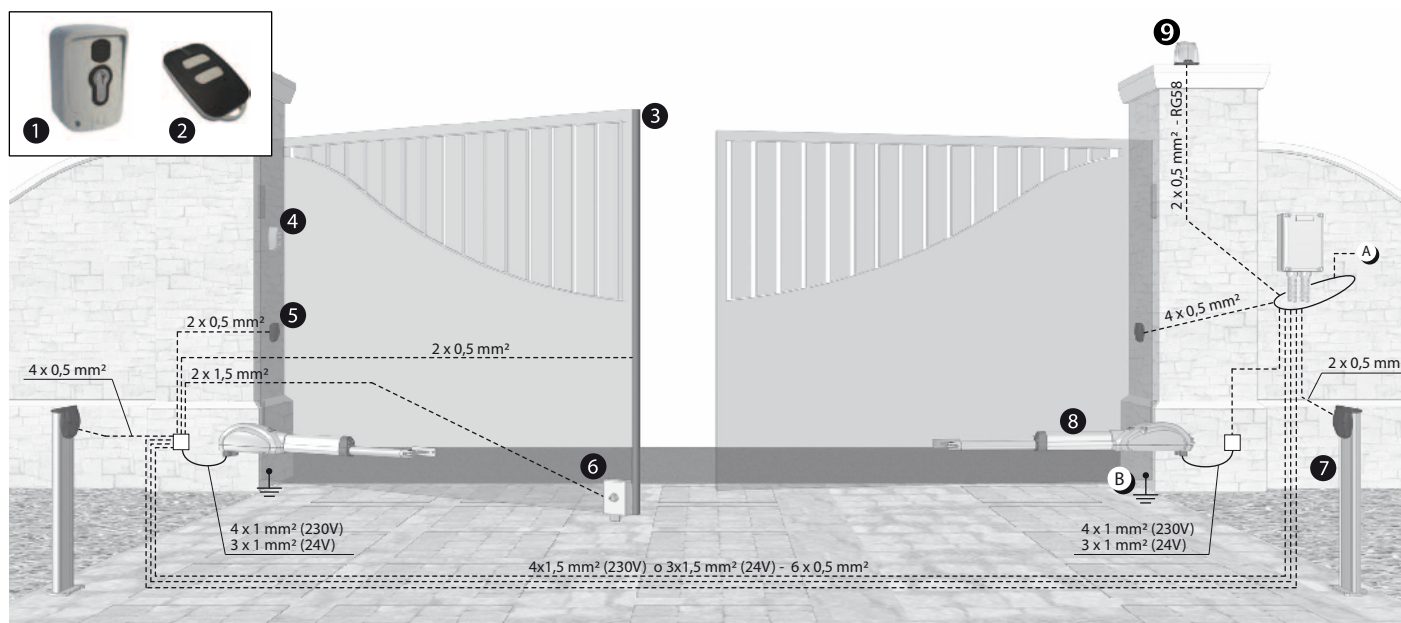
WARNING In line with EU Directive 2002/96/EC for waste electrical and electronic equipment (WEEE), this electrical product must not be disposed of as unsorted municipal waste. Please dispose of this product by returning it to your local municipal collection point for recycling.

Esempio di installazione tipica - Example of typical installation - Exemple d'installation typique - Installationsbeispiel - Ejemplo de instalación típica - Exemplo de instalação típica - Przykład standardowego systemu automatyzacji

DEA System fornisce queste indicazioni che si possono ritenere valide per un impianto tipo ma che non possono essere complete. Per ogni automatismo, infatti, l'installatore deve valutare attentamente le reali condizioni del posto ed i requisiti dell'installazione in termini di prestazioni e di sicurezza; sarà in base a queste considerazioni che redigerà l'analisi dei rischi e progetterà nel dettaglio l'automatismo. - **DEA System** provides the following instructions which are valid for a typical system but obviously not complete for every system. For each automatism the installer must carefully evaluate the real conditions existing at the site. The installation requisites in terms of both performance and safety must be based upon such considerations, which will also form the basis for the risk analysis and the detailed design of the automatism. - **DEA System** fournit ces indications que vous pouvez considérer comme valables pour une installation-type, même si elles ne peuvent pas être complètes. En effet, pour chaque automatisations, l'installateur doit évaluer attentivement les conditions réelles du site et les pré-requis de l'installation au point de vue performances et sécurité ; c'est sur la base de ces considérations qu'il rédigera l'analyse des risques et qu'il concevra l'automatisation d'une manière détaillée. - Diese Angaben von **DEA System** können als gültig für eine Standardanlage angesehen werden, können aber nicht erschöpfend sein. So muss der Installationsfachmann für jedes Automatiksystem sorgfältig die Voraussetzungen des Installationsortes sowie die Leistungs- und Sicherheitsanforderungen an die Installation abwägen; aufgrund dieser Überlegungen muss er die Risikobewertung erstellen und genau das Automatiksystem entwickeln. - **DEA System** facilita estas indicaciones que pueden considerarse válidas para una instalación tipo pero que no pueden considerarse completas. El instalador, en efecto, tiene que evaluar atentamente para cada automatismo las reales condiciones del sitio y los requisitos de la instalación por lo que se refiere a prestaciones y seguridad; en función de estas consideraciones redactará el análisis de riesgos y efectuará el proyecto detallado del automatismo. - **DEA System** fornece estas indicações que podem ser consideradas válidas para o equipamento padrão, mas que podem não ser completas. Para cada automatismo praticamente o técnico de instalação deverá avaliar com atenção as condições reais do sítio e os requisitos da instalação em termos de performance e de segurança; será em função destas considerações que realizará uma análise dos riscos e projectará. - **DEA System** dostarcza wskazówek, do wykorzystania w typowej instalacji ale nie będą one nigdy kompletne. Dla każdego typu automatyki, instalator musi sam oszacować realne warunki miejsca montażu i wymogi instalacyjne mając na uwadze przepisy dotyczące bezpieczeństwa. Na podstawie zebranych informacji będzie w stanie przeanalizować zagrożenia mogące wystąpić i zaprojektować w szczególności automatyzację.

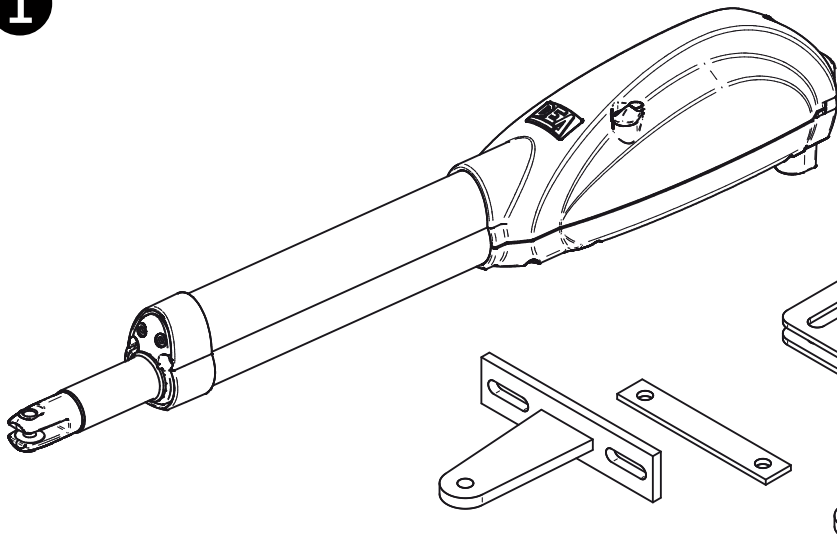
tionsortes sowie die Leistungs- und Sicherheitsanforderungen an die Installation abwägen; aufgrund dieser Überlegungen muss er die Risikobewertung erstellen und genau das Automatiksystem entwickeln. - **DEA System** facilita estas indicaciones que pueden considerarse válidas para una instalación tipo pero que no pueden considerarse completas. El instalador, en efecto, tiene que evaluar atentamente para cada automatismo las reales condiciones del sitio y los requisitos de la instalación por lo que se refiere a prestaciones y seguridad; en función de estas consideraciones redactará el análisis de riesgos y efectuará el proyecto detallado del automatismo. - **DEA System** fornece estas indicações que podem ser consideradas válidas para o equipamento padrão, mas que podem não ser completas. Para cada automatismo praticamente o técnico de instalação deverá avaliar com atenção as condições reais do sítio e os requisitos da instalação em termos de performance e de segurança; será em função destas considerações que realizará uma análise dos riscos e projectará. - **DEA System** dostarcza wskazówek, do wykorzystania w typowej instalacji ale nie będą one nigdy kompletne. Dla każdego typu automatyki, instalator musi sam oszacować realne warunki miejsca montażu i wymogi instalacyjne mając na uwadze przepisy dotyczące bezpieczeństwa. Na podstawie zebranych informacji będzie w stanie przeanalizować zagrożenia mogące wystąpić i zaprojektować w szczególności automatyzację.

Pos.	Descrizione - Description - Description - Beschreibung - Descripción - Descrição - Opis
1	Selettore a chiave antiscasso - Anti lock-picking key switch - Sélecteur à clé anti-intrusion - Einbruchfester Schlüsselschalter - Selector a llave antisabotaje - Interruptor de chave burglar - Przełącznik kluczowy wandaloodporny
2	Radiocomando - Remote-control - Radiocommande - Funksteuerung - Radiocomando - Comando via rádio - Nadajnik
3	Safety edge - Bord sensible - Berührungssensible Schaltleiste - Borde sensible - Dispositivo sensível de protecção - Listwa bezpieczeństwa
4	Selettore digitale - Radio keypad - Digicode radio - Digitalwahlschalter - Teclado digital radio - Teclado via radio - Bezprzewodowa klawiatura
5	Fotocellule - Photocells - Photocellules - Fotozellen - Fotocélulas - Fotocélulas - Fotokomórki
6	Elettroserratura - Electric lock - Électroserrure - Elektroschloss - Electrocerradura - Fechadura eléctrica - Elektrozaмок
7	Colonnina Pilly 60 - Pilly 60 column - Colonnnette Pilly 60 - Kleine Säule Pilly 60 - Columna Pilly 60 - Coluna Pilly 60 - Kolumnienka Pilly 60
8	LOOK
9	Lampeggiante - Flashing light - Clignotant - Blinker - Lámpara - Intermitente - Lampa Ostrzegawcza



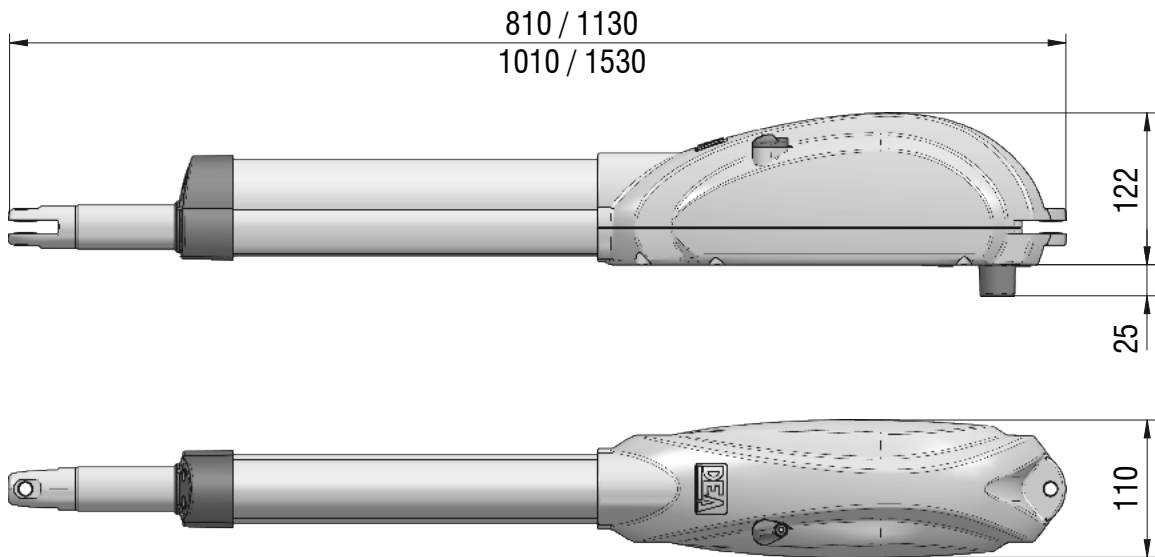
- A)** Collegarsi alla rete 230 V \pm 10% 50-60 Hz tramite un interruttore onnipolare o altro dispositivo che assicuri la onnipolare disinserzione della rete, con una distanza di apertura dei contatti \geq 3 mm - Make the 230V \pm 10% 50-60 Hz mains connection using an omnipolar switch or any other device that guarantees the omnipolar disconnection of the mains network with a contact opening distance of 3 mm - Connectez-vous au réseau 230 V \pm 10% 50-60 Hz au moyen d'un interrupteur onnipolaire ou d'un autre dispositif qui assure le débranchement omnipolaire du réseau, avec un écartement des contacts égal à 3 mm. - Den Anschluss an das 230 V \sim \pm 10% 50-60 Hz Netz mit einem Allpolschalter oder einer anderen Vorrichtung vornehmen, durch die eine allpolige Netzunterbrechung bei einem Öffnungsabstand der Kontakte von \geq 3 mm gewährleistet wird. - Efectuar la conexión a una línea eléctrica 230 V \pm 10% 50-60 Hz a través de un interruptor omnipolar u otro dispositivo que asegure la omnipolar desconexión de la línea, con 3 mm de distancia de abertura de los contactos. - Ligue na rede de 230 V. \pm 10% 50-60 Hz mediante um interruptor omnipolar ou outro dispositivo que assegure que se desliga de maneira omnipolar da rede, com abertura dos contactos de pelo menos 3 mm. de distância - Podłączyć się do sieci 230 V \pm 10% 50-60 Hz poprzez przełącznik jednobiegunowy lub inne urządzenie które zapewni brak zakłóceń w sieci, przy odległości między stykami \geq 3 mm.
- B)** Collegare a terra tutte le masse metalliche - All metal parts must be grounded - Connectez toutes les masses métalliques à la terre - Alle Metallteile erden - Conectar con la tierra todas las masas metálicas - Realize ligação à terra de todas as massas metálicas - Uziemić wszystkie elementy metalowe.

1

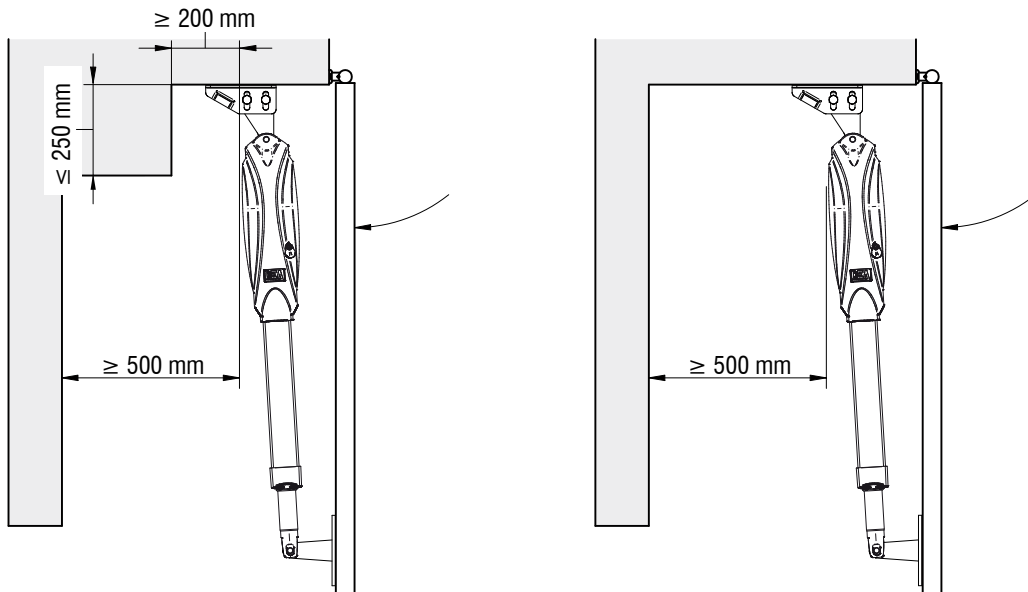


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- 2
- 1
- 2
- 2
- 2
- 2
- 4

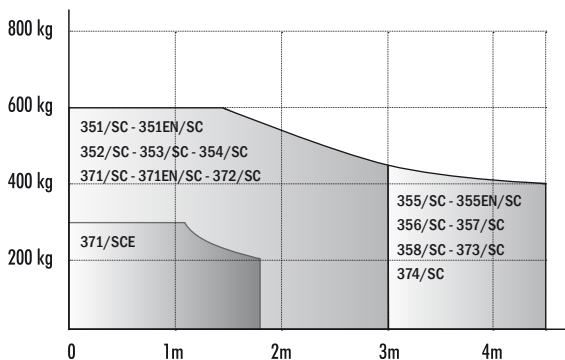
2



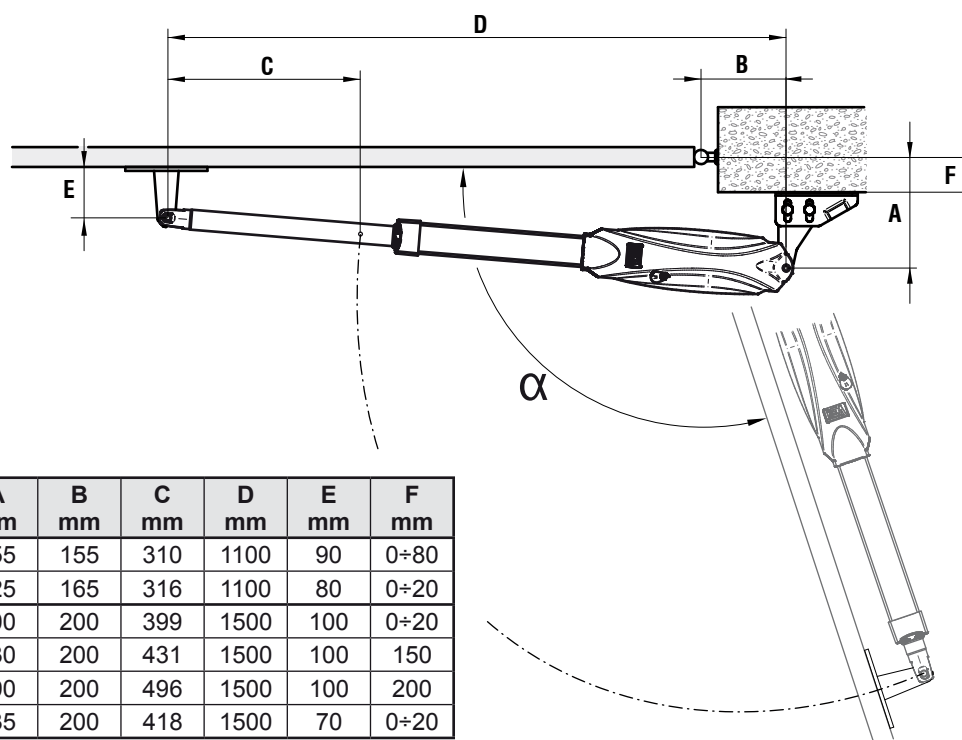
3



4



ATTENZIONE Per i modelli reversibili, a parità di lunghezza dell'anta, ridurre di 1/3 il peso ammissibile massimo della porta rispetto a quanto indicato nel grafico "lunghezza-peso".
ATTENZIONE Se la lunghezza dell'anta è maggiore ai 2 mt o se si utilizzano modelli reversibili è necessario installare l'elettro serratura per il blocco del cancello in posizione di chiusura.
WARNING With not self-locking models, with same leaf length, reduce of 1/3 the door admissible weight compared to what indicated in "Length-weight" chart.
WARNING In case the leaf is more than 2 m long or in case you use not self-locking models, an electric-lock must be installed to hold the gate in closing position.
ATTENTION Pour les modèles réversibles, avec des battants de longueur identique, réduire de 1/3 le poids admissible maximum de la porte par rapport à ce qui est indiqué dans le graphique " longueur-poids ".
ATTENTION Si la longueur du battant est plus de 2 mt., ou si vous utilisez un des modèles réversibles, il faut installer une électro-serrure pour bloquer le portail en position de fermeture.
ACHTUNG Bei reversiblen Modellen und gleicher Flügellänge das zulässige Höchstgewicht des Tors um 1/3 des in der Grafik „Länge-Gewicht“ angegebenen Wertes reduzieren.
ACHTUNG Sollte die Flügellänge 2 m übersteigen oder sollten reversierbare Modelle verwendet werden, muss ein Elektroschloss zur Blockierung des geschlossenen Tors installiert werden.
ATENCIÓN Para los modelos reversibles, de igual longitud que la hoja, reducir de 1/3 el peso admisible máx. de la puerta, respecto a lo indicado en el gráfico "Longitud - Peso".
ATENCIÓN Si el largo de la hoja es mayor de 2 mts., o se utilizan modelos reversibles, es necesario instalar la electrocerradura para el bloqueo de la puerta en posición de cierre.
ATENÇÃO Para os modelos reversíveis, com o mesmo comprimento da folha, reduzir de 1/3 o peso máximo do portão (com referimento ao gráfico "Comprimento-peso".
ATENÇÃO Se o comprimento da folha é maior de 2 mt ou com todos modelos reversíveis é necessário utilizar a fechadura elétrica para trancar o portão na posição de fecho.
UWAGA Dla modeli odwracalnych, na równej długości skrzydła, należy obniżyć maksymalny ciężar dopuszczalny bramy o 1/3 w stosunku do wartości wskazanej na wykresie „długość-ciężar”.
UWAGA Jeśli długość skrzydła przekracza 2 m lub wykorzystywane są modele odwracalne, należy zainstalować elektrozamek w celu zablokowania bramy na zamknięciu.



Model	α	A mm	B mm	C mm	D mm	E mm	F mm
320	90°	155	155	310	1100	90	0÷80
	100°	125	165	316	1100	80	0÷20
520	90°	200	200	399	1500	100	0÷20
		230	200	431	1500	100	150
	120°	290	200	496	1500	100	200
	120°	135	200	418	1500	70	0÷20

5

ATTENZIONE Nel caso l'operatore venisse usato in complessi condominiali, per la movimentazione di porte o portoni pesanti o comunque in uso intensivo, si deve saldare l'attacco posteriore come mostrato in Fig."A" così da garantire la durata del prodotto nel tempo.

WARNING In case the operator is subjected to intense use or to move heavy gates, it is recommended to weld the rear bracket as shown in picture "A" so to ensure a longer product life.

ATTENTION En cas d'utilisation de l'opérateur pour un immeuble en copropriété pour mouvoir grandes portes ou pour un usage intensif, il faut souder la fixation postérieure comme montré en figure "A" pour garantir la durée du produit dans le temps.

ACHTUNG Sollte der Antrieb für Mehrfamilienhäuser eingesetzt werden an und/oder schweren Türen oder Toren bzw. oder bei hohem Verkehrsaufkommen, muss der verstellbare Pfostenflansch wie in Fig. „A“ gezeigt wird, fest geschweißt werden damit eine lange Lebensdauer des Produkts gewährleistet ist.

ATENCIÓN En el caso que el automatismo venga usado en áreas condominiales, para mover porte o portones pesados o sin embargo en un uso intensivo, se debe soldar el soporte posterior como mostrado en Fig "A", así que se garantiza la duración del producto en el tiempo.

ATENÇÃO No caso do automatismo ser utilizado em condomínios, em portões pesados ou para uso intensivo, deve-se soldar o suporte posterior como indicado na figura "A", assim assegura-se uma maior duração do produto.

UWAGA W przypadku gdy silownik zostanie wykorzystany w zespole mieszkaniowym, do otwierania drzwi wejściowych ciężkich oraz intensywnie użytkowanych, należy zespawać zaczepek tylny zgodnie z rys. A. Wydłuży to żywotność produktu.

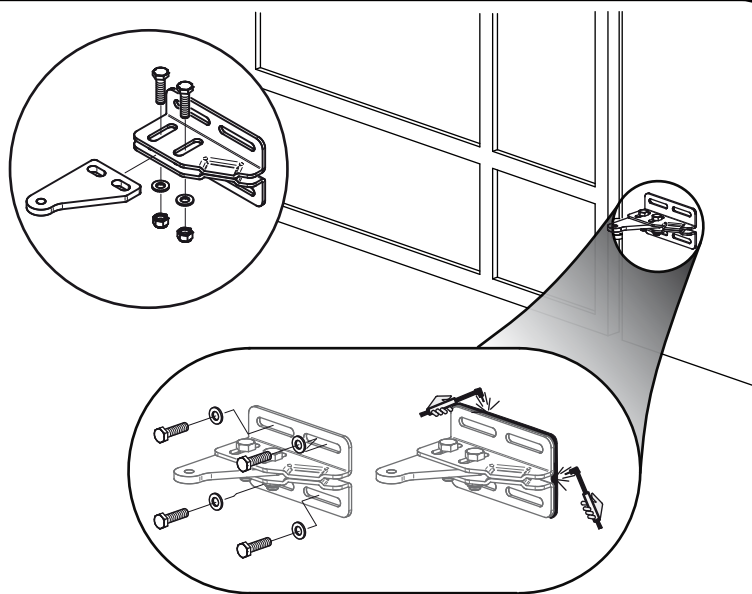
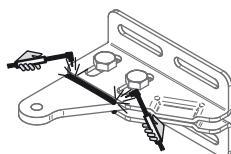
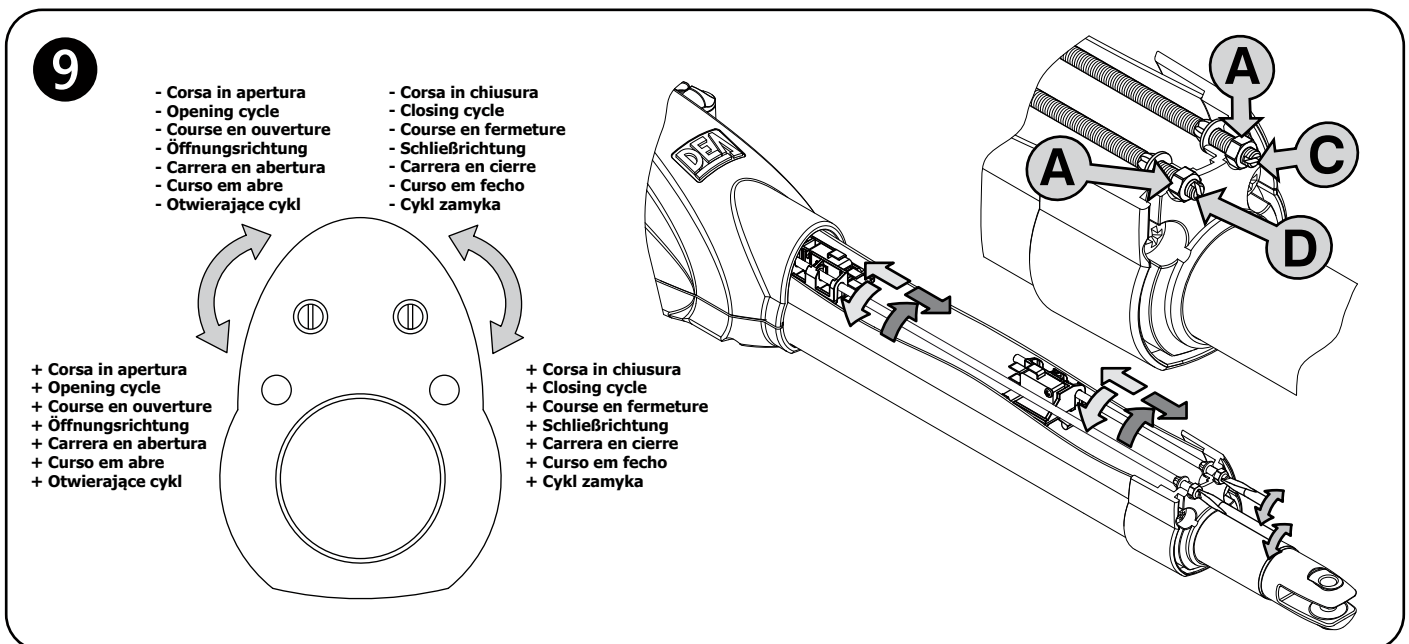
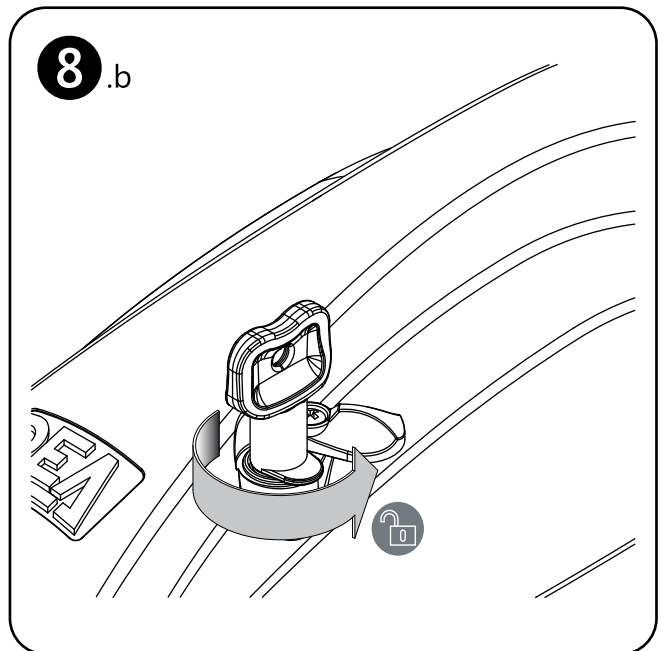
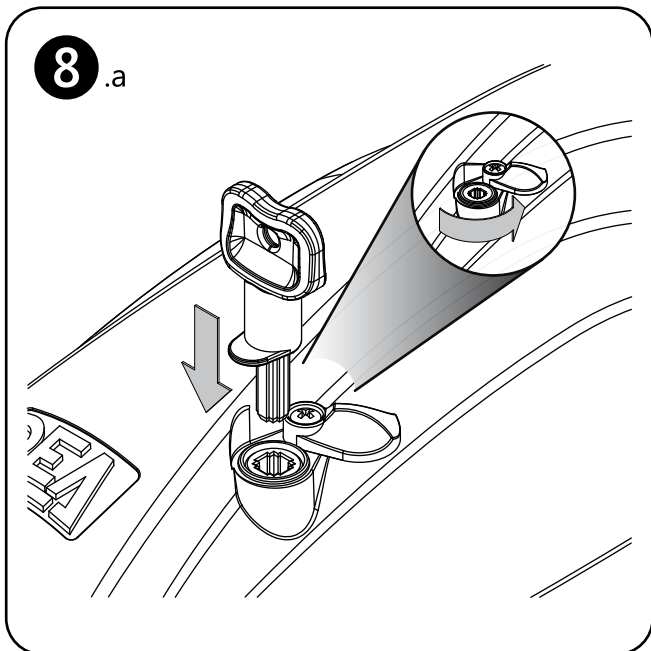
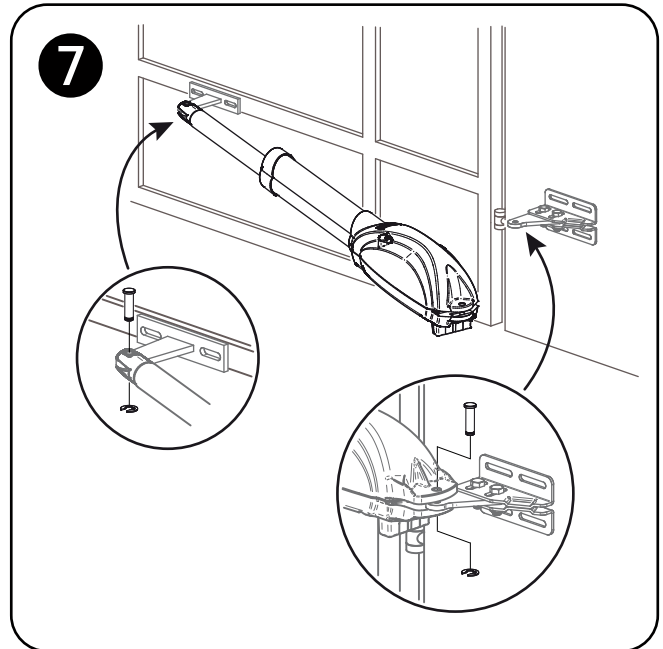
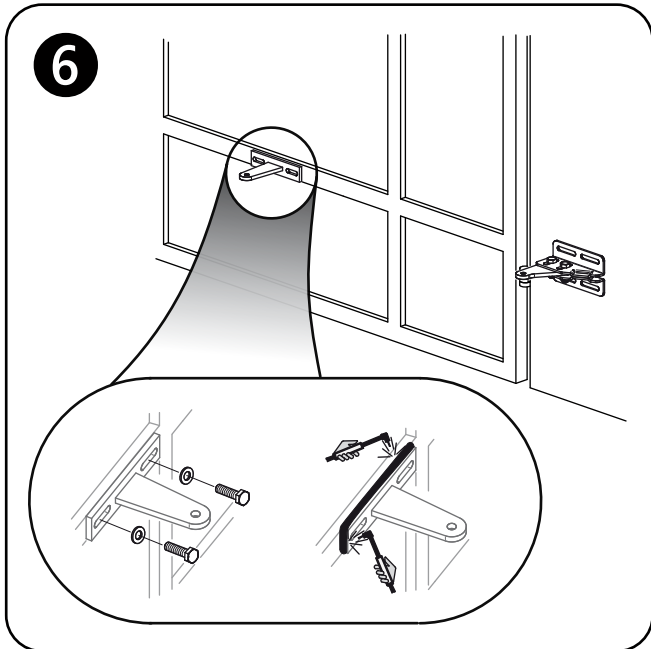
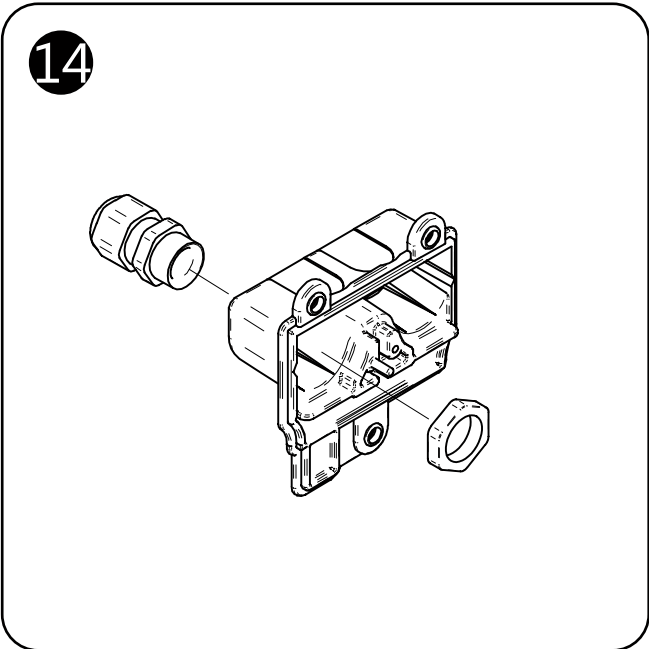
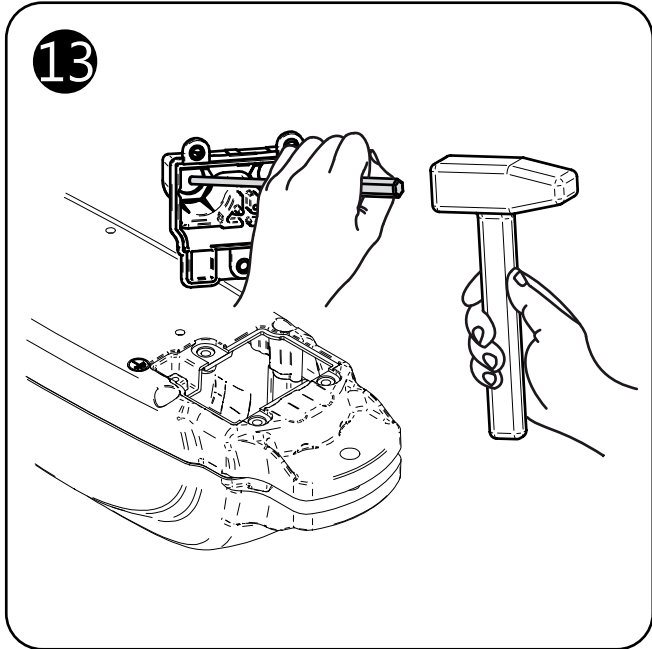
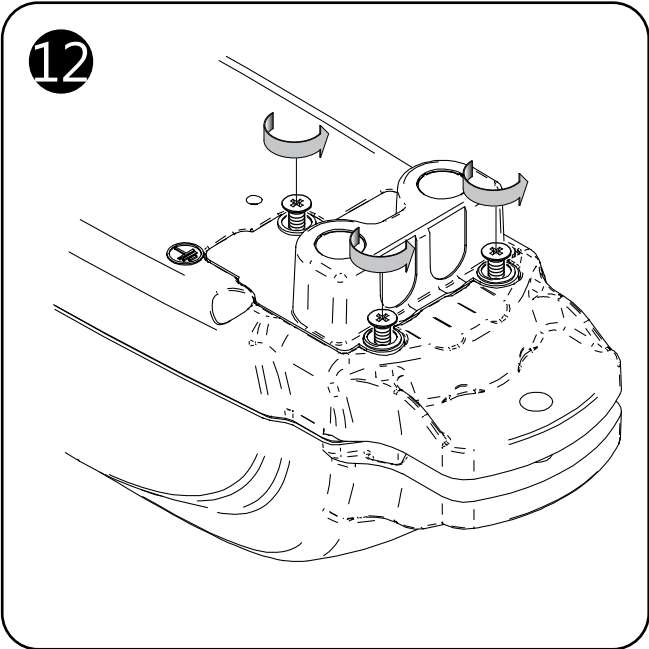
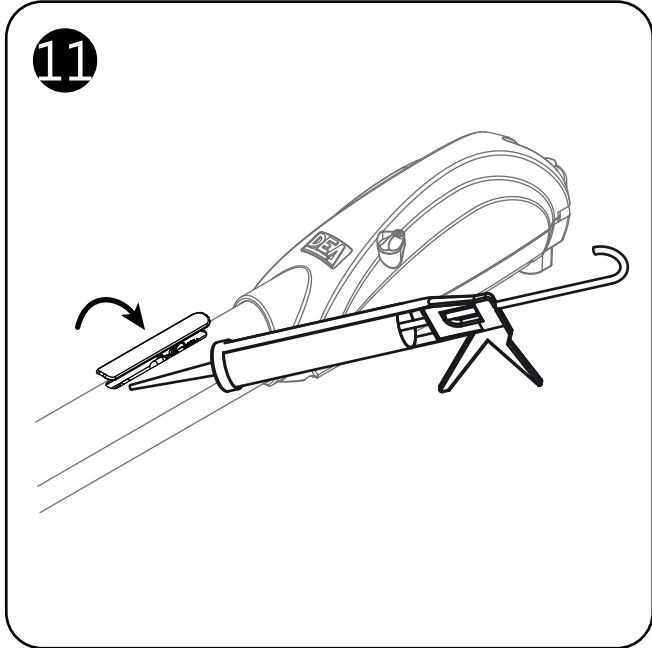
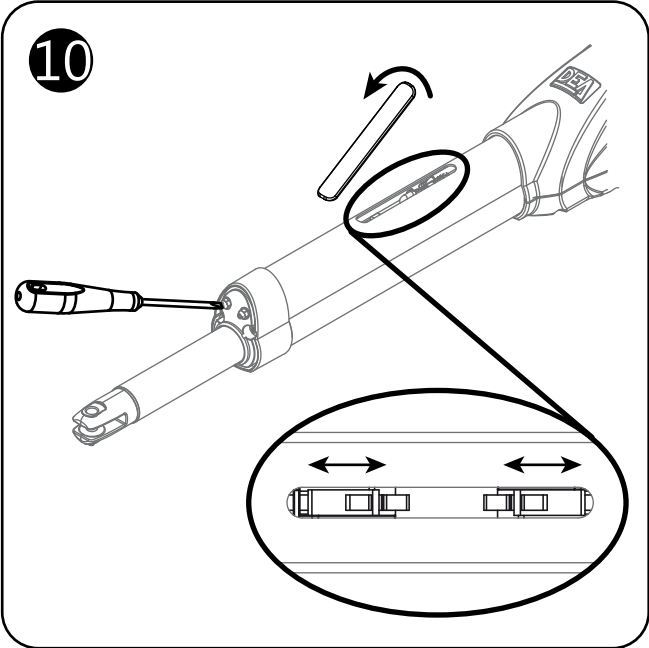


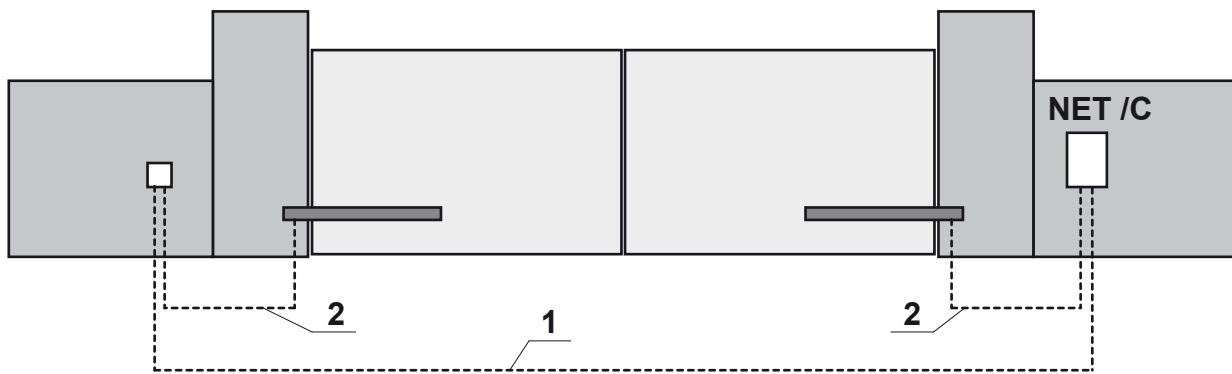
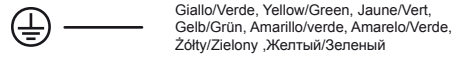
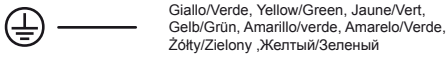
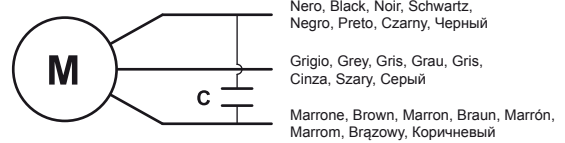
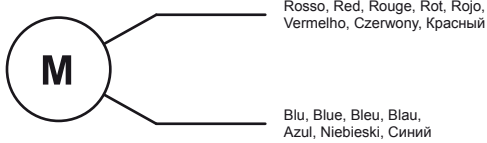
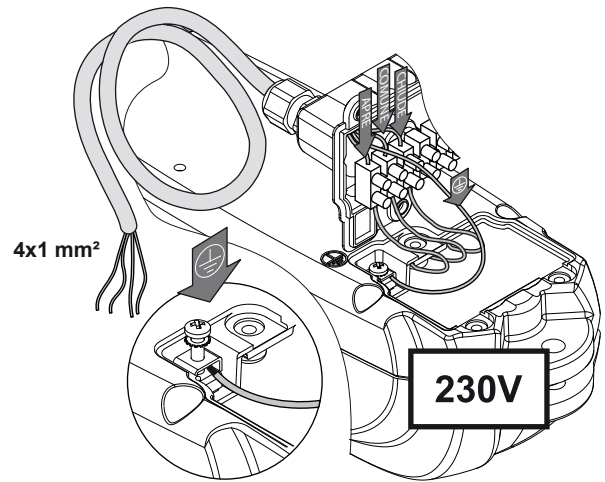
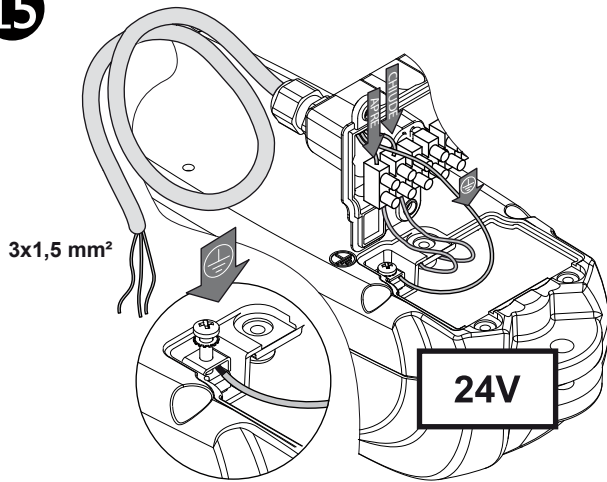
Fig. A











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	24V	230V	Cable
1	3x1,5 mm ²	4x1,5 mm ²	FROR
2	3x1,5 mm ²	4x1 mm ²	H05RN-F

Tabella "ACCESSORI PRODOTTO", Table "PRODUCT ACCESSORIES", Tableau "ACCESSOIRES PRODUITS", Tabelle „PRODUKTZUBEHÖR-TEILE“, Tabla "ACCESORIOS PRODUCTO", Tabela "ACESSÓRIOS DO PRODUTO", Tabell "AKCESORIA DODATKOWE".

Article Code	Descrizione, Description, Description, Beschreibung, Descripción, Descrição, Opis	
CS320 629340		Copristelo corsa 320 / 520 Rod cover stroke 320 / 520 mm Couvre tige course 320 / 520 mm Kolbenabdeckung Kolbenhub 320 / 520 Cubre vástago para recorrido de 320 / 520 mm Protecção do pistão, curso 320 / 520 mm Osłona tłoka, wysuw 320 / 520 mm
CS520 629341		
MAC-LOOK/P 629320		Prolunga per motori serie LOOK - MAC Extension for MAC and LOOK rams Prolongateur pour vérin MAC et LOOK Verlängerung für Motoren der Baureihe MAC - LOOK Extensión para pistones MAC y LOOK Prolongamento para motores LOOK e MAC Przedłużenie do MAC i LOOK
LOOK/SB 629380		Kit adattatore per ante in pendenza (pendenza max 8%) Adapter kit for doors in slope. Max gradient 8% Kit adaptateur pour vantaux en pente. Pente maximale 8% Adapterbausatz für Torflügel auf Gefälle (Gefälle max. 8%) Kit adaptador para puertas inclinadas. Inclinación max. 8% Kit adattatore per ante in pendenza. Pendenza max 8% Wspornik uchylny. Max nachylenie 8%
COL 515 629250		Cavo INOX 2 asole anticatuta per ante a battente Anti-falling stainless steel cable with 2 holes for swing doors Câble inox avec 2 fixations anti-chute pour portails battants Stahlseil Fallsicherung für Drehflügel mit 2 Ösen Cable en acero inoxidable anti-caída para puertas batientes Cabo inox anti-queda com 2 furos para portas de batente Linka stalowa z 2 uchwytami anty-upadkowa, do bram skrzydłowych

INSTRUCTIONS FOR THE FINAL USER

This guide has been prepared for the final users of the automatism; the installer is required to deliver this guide and illustrate its contents to the person in charge of the system. The latter must then provide similar instruction to all the other users. These instructions must be carefully conserved and easily available for consultation when required.

Good preventive maintenance and frequent inspection ensures the long working life of the product. Contact the installer regularly for routine maintenance and in event of anomaly.

SAFETY RULES

1. Always keep a safe distance from the automatism during operation and never touch any moving part.
2. Prevent children from playing near the automatism.
3. Perform the control and inspection operations prescribed in the maintenance schedule and immediately stop using the automatism whenever signs of malfunction are noted.
4. Never disassemble parts of the product! All maintenance and repair operations must be performed only by qualified personnel.
5. The release operation must sometimes be performed in emergencies! All users must be instructed on the use of the release mechanism and the location of the release keys.

LOOK RELEASE MECHANISM

WARNING Disconnect the power supply from the control panel before releasing the operator. In case you cannot turn the power off, you will necessarily have to re-lock the motor in the position in which it was unlocked.

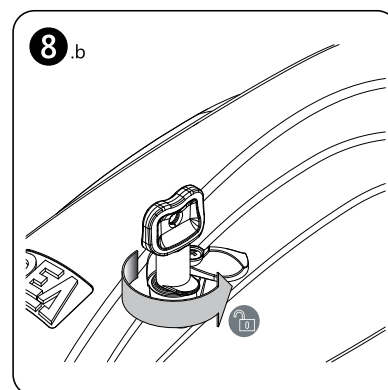
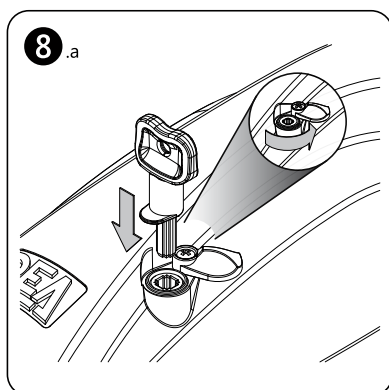
All LOOK models are equipped with a release device which must be operated as follows:

1. **Disconnect the power supply;**
2. Turn the cap placed on the back of LOOK in order to discover the underlying shaped hole;
3. Insert the release key inside the shaped hole paying attention to the direction of insertion (Fig. 8.a).
4. Rotate 90 degrees (counterclockwise to unlock, clockwise to lock) the release key (Fig. 8.b);
5. At this point LOOK is released and if no other obstructions are present, the gate is free to move;
6. The opposite procedure returns LOOK operator to normal working conditions;
7. Remember to protect the lock with the respective cover so that the operator is protected by water or powder (even when it remains unlocked for a long time).

WARNING: During this operation gate may present uncontrolled movement: operate with extra care so to avoid any risk.

CLEANING AND INSPECTIONS

The only operation that the user can and must do is to remove branches, leaves, and any other object that might obstruct the gate's free movement. Warning! Always disconnect the power supply whenever performing operations on the gate!





move as you like

DEA SYSTEM S.p.A.

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