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7 ΧΡΟΝΙΑ ΕΓΓΥΗΣΗ

EVO-620-180 , EVO-620-360-D, EVO-620-280 , EVO-620-420-D

EN IMPORTANT SAFETY INSTRUCTIONS

WARNING: follow these personal safety instructions very carefully. Incorrect installation may create serious risks.

- Read the instructions carefully before starting to install. Save this manual for future reference.
- This product was designed and built strictly for the use indicated in this documentation.
- The manufacturer declines all liability in the event of incorrect installation or improper use of the product.
- Do not install the gearmotor in presence of fumes or inflammable gas.
- The mechanical parts must conform to the provisions of standard EN 12604 and EN 12605.
- Manufacturer is not responsible for failure to observe good technique in the construction of the closing elements to be motorised, or for any deformation that may occur during use.
- The installation must conform to standards EN 12453 and 12445.
- Before start any job on the system, cut out electrical power.
- The mains power supply of the automated system must be fitted with an all-pole switch with contact opening distance of 3mm. Use of a 6 A thermal breaker with all-pole circuit break is recommended.
- Make sure that the earth system is perfectly constructed.
- The safety devices (photocells , etc.) protect any danger areas against mechanical movement risks, such as crushing, dragging, and shearing.
- Use of at least one indicator-light is recommended for every system, as well as a warning sign, in addition to the safety devices.
- Do not command more than one gearmotor with each button.
- For maintenance, exclusively use original parts.
- Do not in any way modify the components of the automated system.
- The installer shall supply all information concerning manual operation of the system in case of an emergency, and shall hand over to the user the the warning handbook supplied with the product.
- Do not allow children or adults to stay near the product while it is operating.
- Keep radiocontrols or other pulse generators away from children, to prevent the automated system from being activated involuntarily.
- The user must not attempt any kind of repair or direct action whatever and contact qualified personnel anly.
- Transit is permitted only when the automated system is idle.
- Maintenance: check at least every 6 months the efficiency of the system.
- **Anything not expressly specified in these instructions is not permitted.**

EN INSTALLATION INSTRUCTIONS

1) Close the rolling shutter.
2) Effect on the tube of the shutter 3 perforations as shown in picture 1.
3) Remove the M10 screw **(C)** from the crown of the gearmotor (see pic. 2)
4) Remove the two semi-crown **(D)** unscrewing the two M8 screws **(E)** as shown in picture 2.
5) Carefully remove the plastic band with rolls **(F)** avoiding heavy folds that would cause the spillage of the rolls.
6) Separate the two elements of the gearmotor **(G)** unscrewing the four M8 screws **(H)**.
7) In case the diameter of the tube is inferior to 60mm, use the reductions Ø33 / Ø42 / Ø48 **(I)** positioning them on the 10mm hole drilled previously (see picture 1).
8) Assemble on the tube of the shutter the two elements of the gearmotor **(G)** using the four M8 screws **(H)** removed before.
9) Screw the M10 screw **(A)** without hexagon nut, screwing it inside the hole 10mm (see picture1).
10) Tighten the M10 screw with nut **(B)** so as to block the gearmotor on the shaft and tighten said nut.
11) Install the plastic band with rolls **(F)** in its appropriate place.
12) Install the two semi-crown **(D)** fixing them with the two M8 screws **(E)**. In presence of spring boxes diameter 220 mms use the adapter **(K)** (see picture 2).
13) Make 12 mm hole in the last element of the shutter, in correspondence of the filleted hole M10 existing on the crown motor.
14) Place the last element of the shutter on the motor and secure it through the screw M10 **(C)** with washer (see picture 1).
15) Make the electrical connections as shown in picture 3 passing the 4x1mm cable supplied, inside the shutter shaft avoiding any contact with the rotating parts (see picture 1). In presence of motor with electrobrake, insert the sheath of the brake inside the other hole Ø12.
16) Connect the power supply cable to the limit switch respecting the right direction (see picture 4).
17) Close the limit switch through the plastic cover **(Z)** and then tighten with the two screws checking the correct disposition of the cables (see picture 4).
18) After having installed the mechanical parts and electrical connections, proceed to the regulation of the limit switches as shown in picture 5.
19) Press the slider (**SL** – picture 5a). Rotate the plastic washer **(Q1)** by hand until you hear the click of the microswitch 1. Release the slider (pic. 5b) (down regulation completed).
20) Rotate the other plastic washer **(Q2)** towards the microswitch 2 (up). Give tension to the motor through an electric command and verify if the shutter, climbing, stop in desired point. Adjustments of the position can be effected acting always on the same plastic washer and operand through electric command.
21) Should the shutter need to be installed contrary to the description in pic. 1, the steps described above should be carried out to the contrary as microswitch 2 will stop the descent and microswitch 1 will stop the opening.

Caratteristiche tecniche – Caracteristiques techniques – Technical data – Caracteristicas tecnicas

MODELLO Modèle Model Modelo	COPPIA Torque Couple Par motor (Nm)	R.P.M. Tours minute R.P.M. Vueltas por minuto	CORSA MAX Course maxi Maximum travel Recorrido max (m)	TEMPO PRIMA TERMICO Température du déclenchement Cut out temperature Temperature del disparo (min)	POTENZA ASSORBITA Puissance absorbée Power absorbed Potencia consumida (w)	PESO Poids Weight Peso (Kg)	SOLLEVAMENTO Soulèvement Lifting Levantamiento (Kg)	ALBERO SERRANDA Arbre rideau Tube rolling Árbol para cierre metálico (mm)	CORONA Flange Pulley Corona (mm)
UNITITAN CL / UNISAFETY	155	10	6	630	8	160	Ø60	Ø200	
UNITITAN E CL / UNISAFETY E	155	10	6	630	9	160	Ø60	Ø200	
UNITITAN HR / UNISOFT HR	170	10	6	630	7	170	Ø60	Ø200	
UNITITAN E HR / UNISOFT E HR	170	10	6	630	8	170	Ø60	Ø200	
UNITITAN SUPER HT	260	10	6	665	8	260	Ø60	Ø200	
UNITITAN SUPER E HT	260	10	6	665	9	260	Ø60	Ø200	
TITAN 240/76	210	9	6	630	9	180	Ø76	Ø240	
TITAN 240/76 E	200	9	6	630	10	180	Ø76	Ø240	
TITAN 240/76 SUPER HT	290	9	6	665	9	250	Ø76	Ø240	
TITAN 240/76 SUPER E HT	290	9	6	665	10	250	Ø76	Ø240	
UNISAFETY	155	10	6	630	8	160	Ø60	Ø200	
UNISAFETY E	145	10	6	630	9	160	Ø60	Ø200	
TITANSAFETY 240/76	210	9	6	630	9	180	Ø76	Ø240	
TITANSAFETY 240/76 E	200	9	6	630	10	180	Ø76	Ø240	
TITAN 240/101	220	8	6	665	10	190	Ø101.6	Ø240	
TITAN 240/101 E	210	8	6	665	11	190	Ø101.6	Ø240	

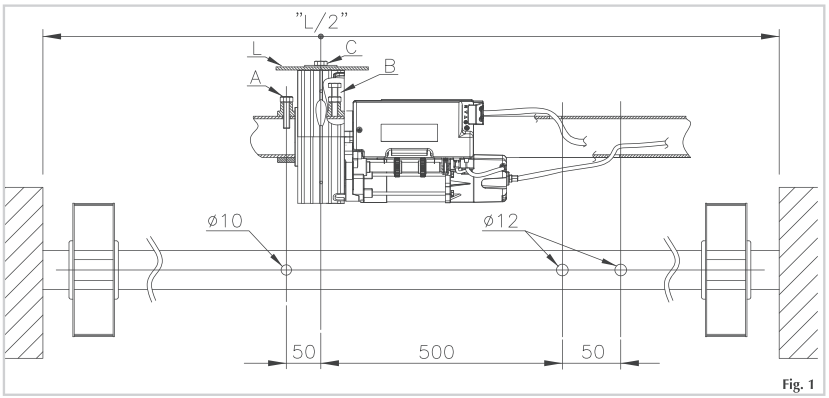

Fig. 1

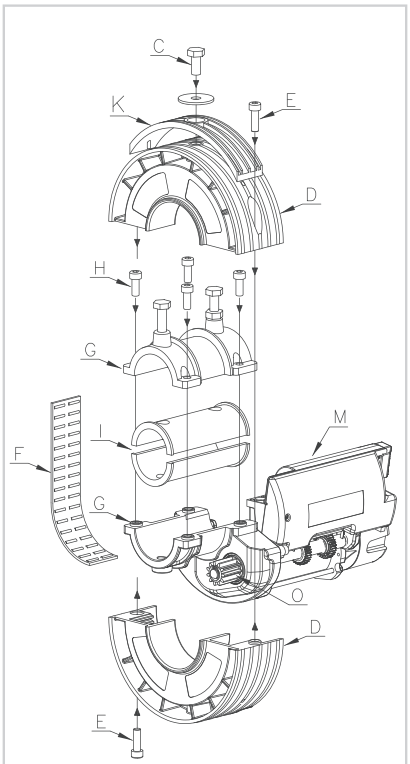

Fig. 2

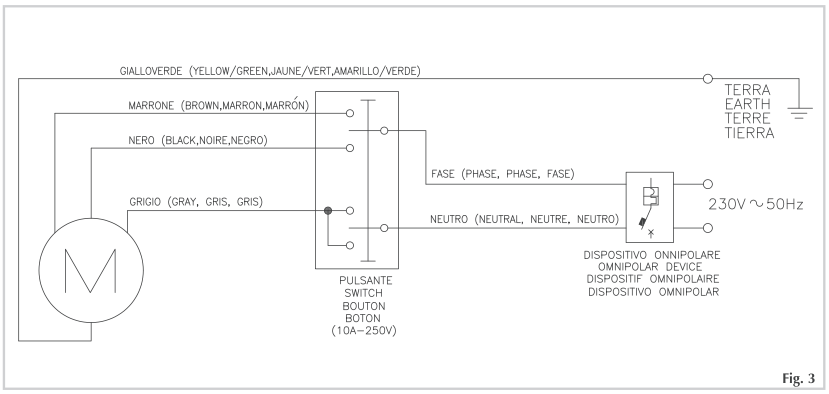

Fig. 3

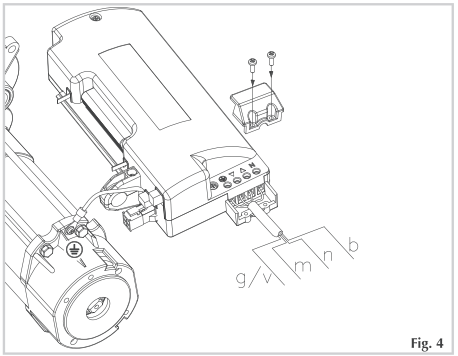

Fig. 4

b	Blu, Bleu, Blue, Azul.
n	Nero, Noir, Black, Negro.
m	Marrone, Brun, Brown, Marrón.
g/v	Giallo/Verde, Jaune/Vert, Yellow/Green, Amarillo/Verde

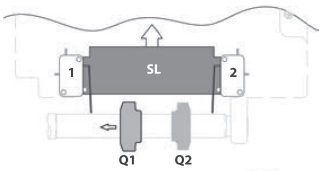

Fig. 5a

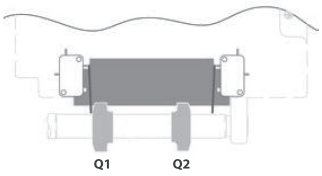

Fig. 5b

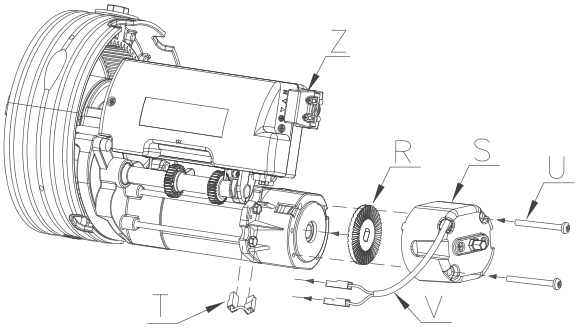

Fig. 6

MANOVRA DI SBLOCCO – MANOUVRE DE DEVERROUILLAGE
RELEASE OPERATION – MANIOBRA DE DESBLOQUEO

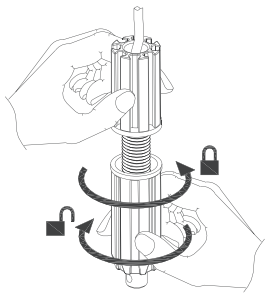
Fig. 7

Installation

1) Insert the brake **(R)** on the back of the electrical motor (see picture 6).
2) Fixing the electrobrake **(S)** to the motor through the screws M5x50 **(U)**.
3) Remove the bridge **(T)** from the limit switch. **Do not damage the bridge pulling on the wire and keep it for future use**.
4) Connect the electric cables **(V)** of the brake to the terminal of the limit switch.

EN - INFORMATION FOR USERS This product bears the selective sorting symbol for waste electrical and electronic equipment (WEEE). This means that this product must be handled to the local collecting points or given back to retailer when you buy a new product, in a ratio of one to one pursuant to European Directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment. Very small WEEE (no external dimension more than 25 cm) can be delivered to retailers free of charge to end-users and with no obligation to buy EEE of an equivalent type. For further information, please contact your local or regional authorities. Electronic products not included in the selective sorting process are potentially dangerous for the environment and human health due to the presence of hazardous substances The unlawful disposal of the product carries a fine according to the legislation currently in force.