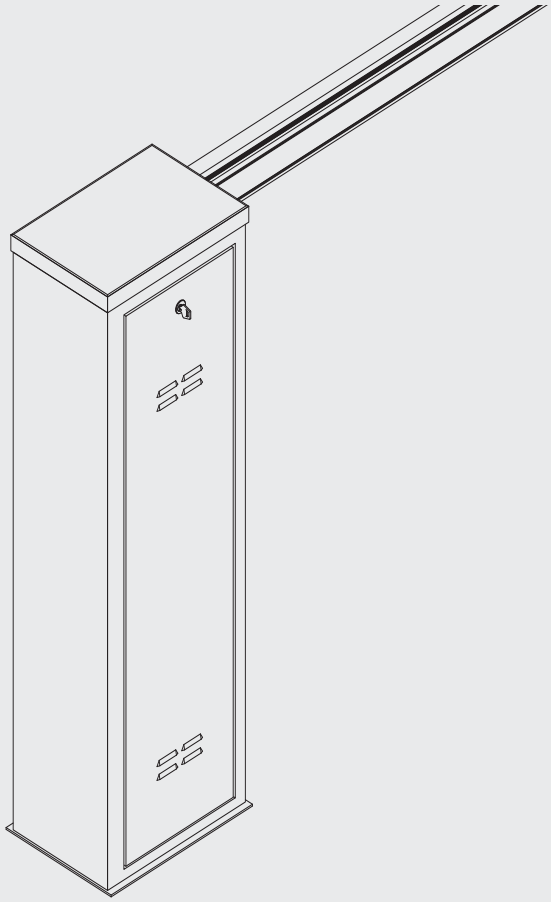
CL8543130
11/2016 rev 0

LADY

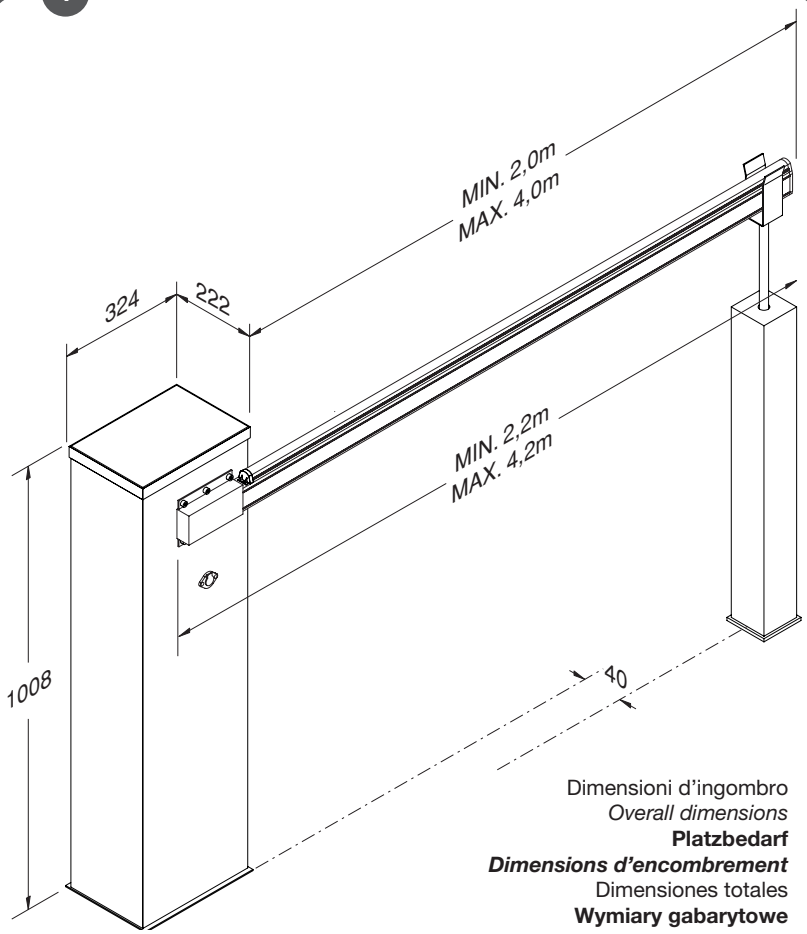
EN



BENINCA®
TECHNOLOGY TO OPEN

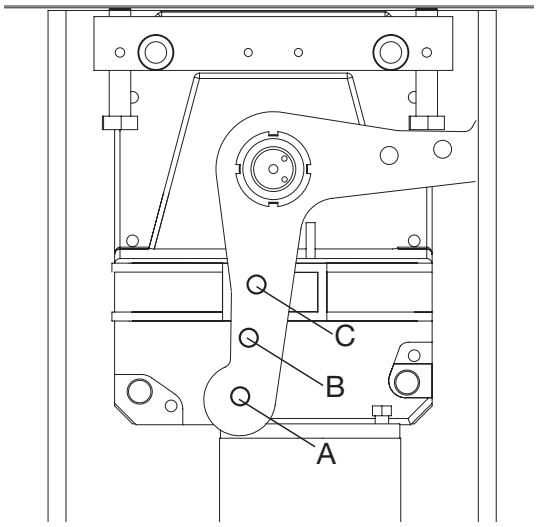
UNIONE NAZIONALE COSTRUTTORI
AUTOMATISMI PER CANCELLI, PORTE
SERRANDE ED AFFINI

1

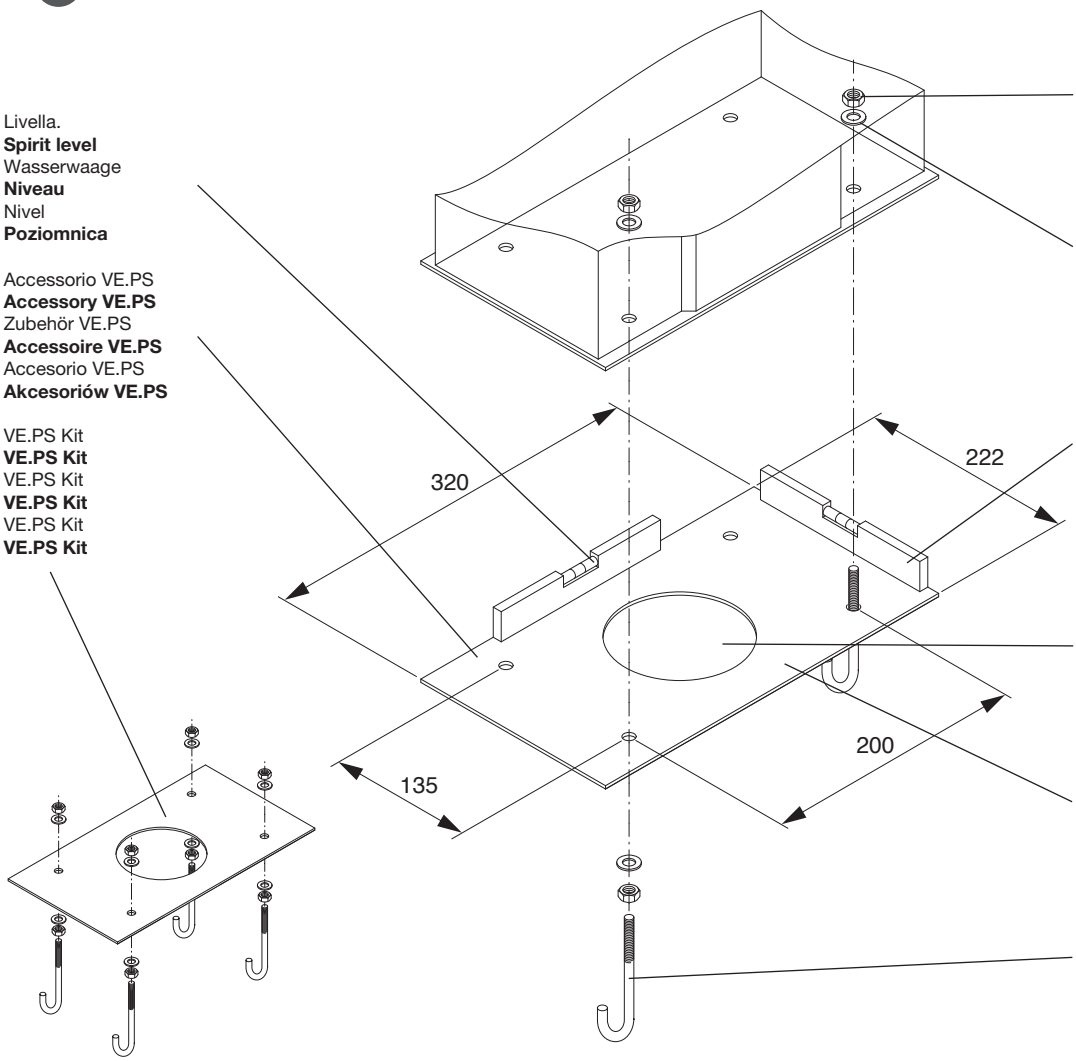


Dimensioni d'ingombro
Overall dimensions
Platzbedarf
Dimensions d'encombrement
Dimensiones totales
Wymiary gabarytowe

2



3



Livella.
Spirit level
Wasserwaage
Niveau
Nivel
Poziomnica

Accessorio VE.PS
Accessory VE.PS
Zubehör VE.PS
Accessoire VE.PS
Accesorio VE.PS
Akcesoriów VE.PS

VE.PS Kit
VE.PS Kit
VE.PS Kit
VE.PS Kit
VE.PS Kit
VE.PS Kit

Dado M12 UNI 5588.
Nut M12 UNI 5588.
Mutter M12 UNI 5588.
Ecrou M12 UNI 5588.
Tuerca M12 UNI 5588.
Nakrętka M12 UNI 5588

Rosetta Ø13x24 UNI 6592.
Washer Ø13x24 UNI 6592.
Unterlegscheibe Ø13x24 UNI 6592.
Rondelle Ø13x24 UNI 6592.
Arandela Ø13x24 UNI 6592.
Podkładka Ø 13x24 UNI 6592

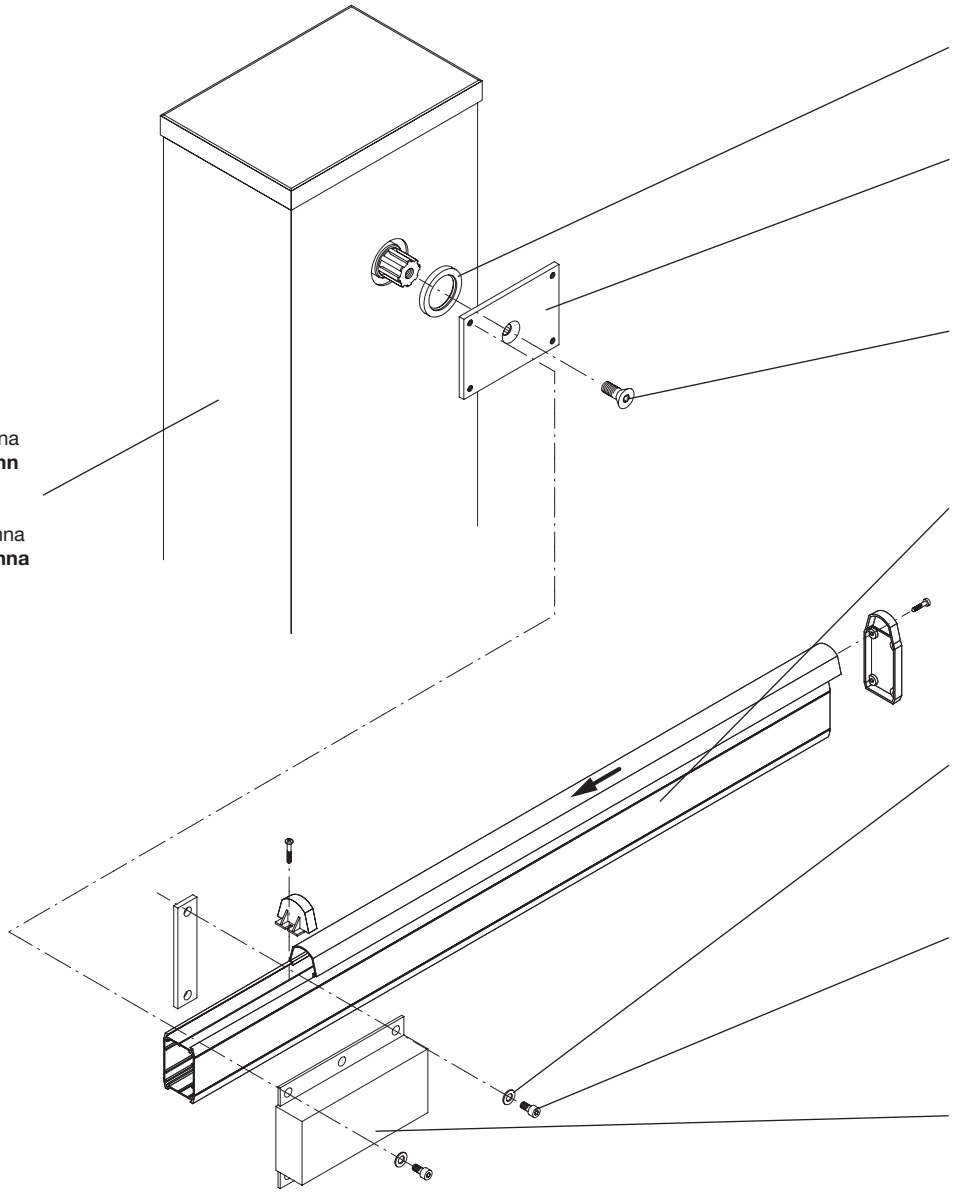
Mettere in piano la piastra tramite livella
Lay the plate flat using a spirit level
Die Platte mit Hilfe einer Wasserwaage gerade ausrichten
Mettre la plaque de niveau avec un niveau à bulle
Nivelar horizontalmente la placa con el nivel
Wypoziomować płytę za pomocą poziomnicy.

Foro per passaggio cavi
Hole for passing cables
Loch für Kabeldurchgang
Trou pour passage des câbles
Orificio para el paso de cables
Otwór do przepuszczania kabli.

Piastra di fondazione
Foundation plate
Fundamentplatte
Plaque de fondation
Placa de cimentación
Płyta montażowa.

Staffa a cementare
Cementing-in bracket
Bügel zum Einbetonieren
Patte à sceller
Estribo a cimentar.
Kotwa do zabetonowania.

4



V ring (V 60A)

Piastra.
Plate.
Platte.
Platine
Placa.
Płyta

Vite M14x30 UNI 5933.
Screw M14x30 UNI 5933.
Schraube M14x30 UNI 5933.
Vis M14x30 UNI 5933.
Tornillo M14x30 UNI 5933.
Sruba M14x30 UNI 5933

Colonna
Column
Säule
Fût
Columna
Kolumna

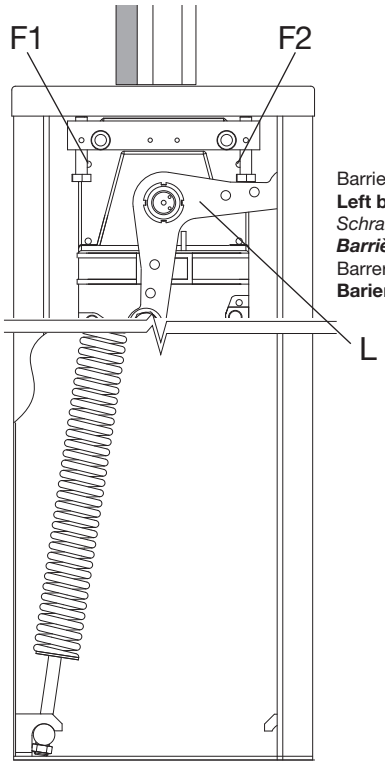
Asta LADY.A.
Bar LADY.A.
Stange LADY.A.
Lisse LADY.A.
Asta LADY.A.
Ramię LADY.A

Rosetta Ø8.4x17 UNI 6592.
Washer Ø8.4x17 UNI 6592.
Unterlegscheibe Ø8.4x17 UNI 6592.
Rondelle Ø8.4x17 UNI 6592.
Arandela Ø8.4x17 UNI 6592.
Podkładka Ø 8.4x17 UNI 6592

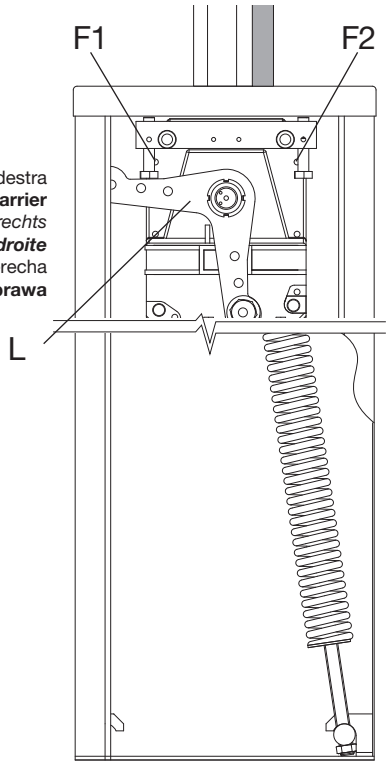
Vite M8x16 UNI 5931.
Screw M8x16 UNI 5931.
Schraube M8x16 UNI 5931.
Vis M8x16 UNI 5931.
Tornillo M8x16 UNI 5931.
Sruba M8x16 UNI 5931

Supporto.
Support.
Auflage.
Support.
Soporte.
Wspornik

5

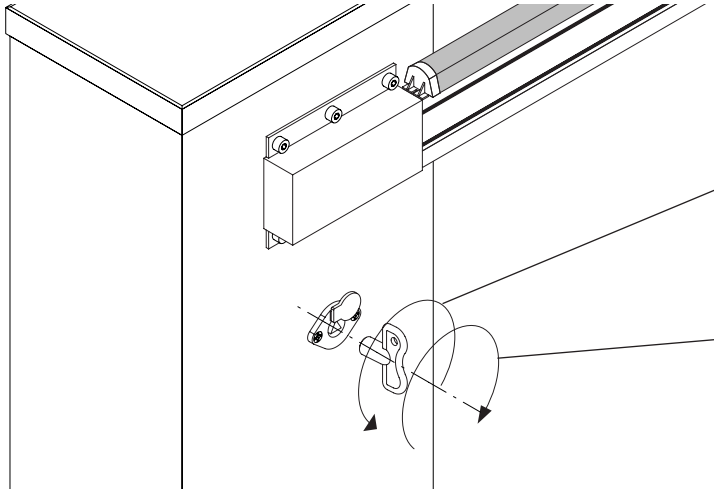


Barriera sinistra
Left barrier
Schrank links
Barrière gauche
Barrera izquierda
Bariera lewa



Barriera destra
Right barrier
Schranke rechts
Barrière droite
Barrera derecha
Bariera prawa

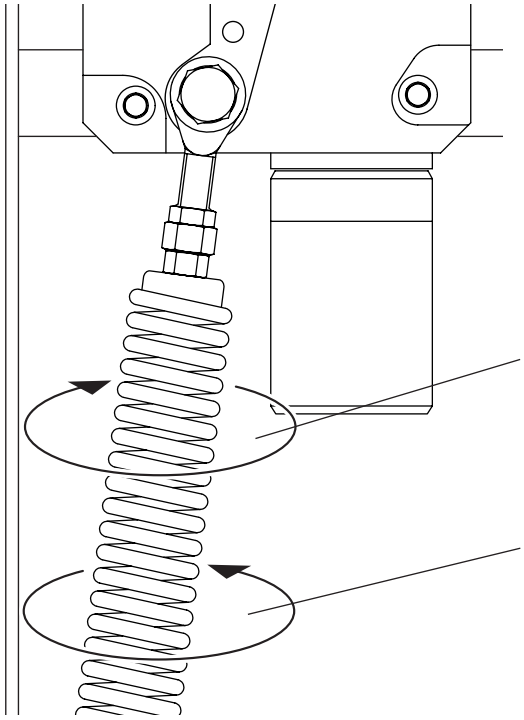
6



Ripristino automatismo
Reset automation
Reset des Automatismus
Réinitialisation automatisme
Reactivación del automatismo
Przywrócenie działania automatyzmu

Sblocco di emergenza
Emergency release
Notentriegelung
Déblocage de secours
Desbloqueo de emergencia
Rozsprzęglanie awaryjne

7

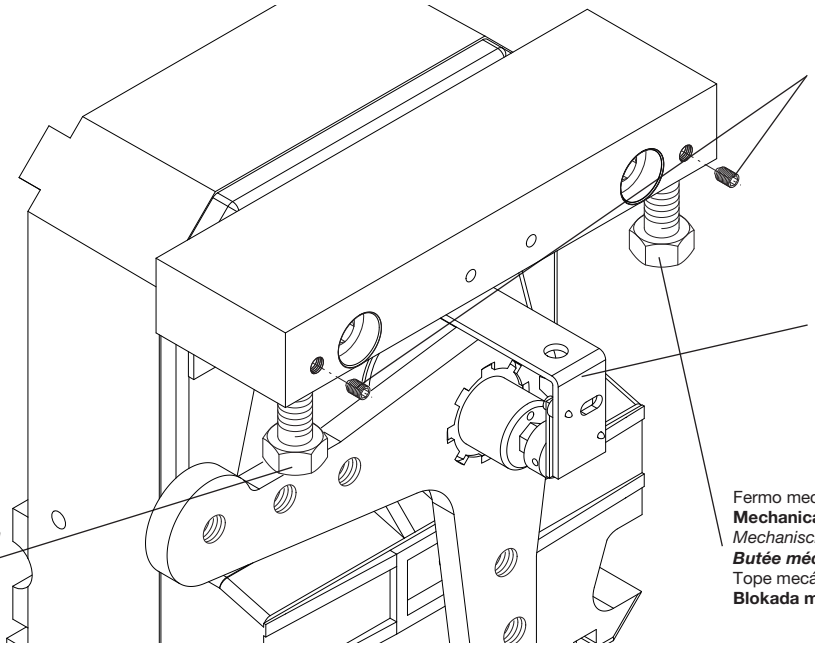


Con motoriduttore sbloccato:
With geared motor released:
Bei entriegeltem Getriebemotor:
Avec l'opérateur débloqué :
Con motorreductor desbloqueado:
Z motoreduktorem odblokowanym:

Se l'asta tende a chiudere, aumentare la tensione della molla (distendere la molla con rotazione oraria)
If the bar tends to close, increase the spring tension (extend the spring by turning clockwise)
Wenn die Stange dazu neigt, zu schließen, die Spannung der Feder erhöhen (durch Drehen im Uhrzeigersinn entspannen)
Si la lisse a tendance à s'abaisser, augmenter la tension du ressort (détendre le ressort en tournant dans le sens des aiguilles d'une montre)
Si el asta tiende a cerrarse, aumentar la tensión del muelle (descomprimir el muelle girándolo a la derecha)
Jeśli ramię szlabanu ma tendencję do zamykania się, należy zwiększyć napięcie sprężyny (rozkuźnić sprężynę przez pokręcanie zgodnie z ruchem wskazówek zegara)

Se l'asta tende ad aprire, diminuire la tensione della molla (comprimere la molla con rotazione antioraria)
If the bar tends to open, decrease the spring tension (compress the spring by turning anti-clockwise)
Wenn die Stange dazu neigt, zu öffnen, die Spannung der Feder vermindern (durch Drehen im Gegenuhrzeigersinn komprimieren)
Si la lisse a tendance à se lever, diminuer la tension du ressort (comprimer le ressort en tournant dans le sens inverse des aiguilles d'une montre)
Si el asta tiende a abrirse, disminuir la tensión del muelle (comprimir el muelle girándolo hacia la izquierda)
Jeśli ramię szlabanu ma tendencję do otwierania się, należy zmniejszyć napięcie sprężyny (scisnąć sprężynę poprzez pokręcanie w kierunku odwrotnym do ruchu wskazówek zegara)

8



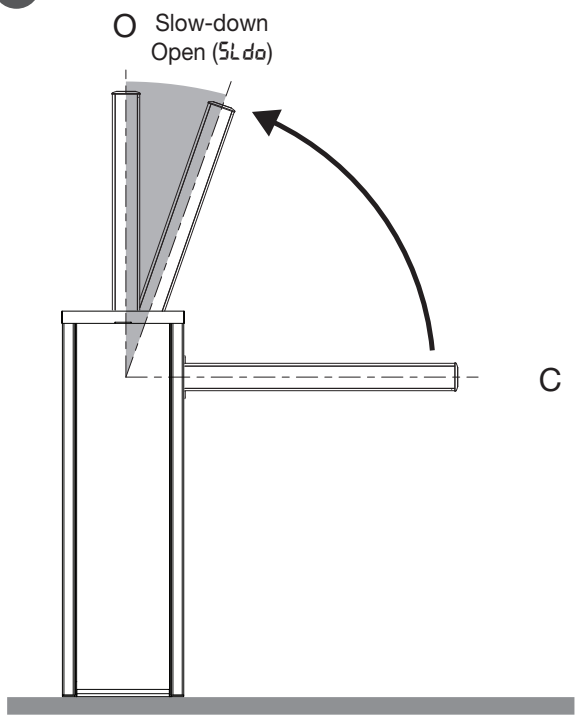
Grani di bloccaggio
Blocking dowels
Arretierstifte
Goujons de blocage
Tornillos sin cabeza de bloqueo
Kołki blokujące

Encoder assoluto
Absolute encoder
Absolut-Encoder
Encodeur absolu
Codificador absoluta
Enkodera absolutnego

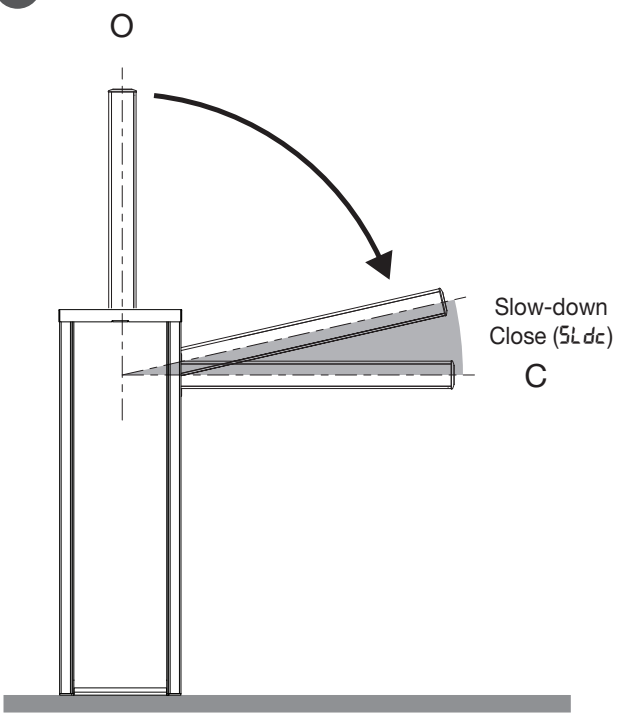
Fermo meccanico apertura
Mechanical stop on opening
Mechanische Feststellvorrichtung Öffnen
Butée mécanique en ouverture
Tope mecánico de apertura
Blokada mechaniczna otwarciu

Fermo meccanico chiusura
Mechanical stop on closing
Mechanische Feststellvorrichtung Schließen
Butée mécanique fermeture
Tope mecánico de cierre
Blokada mechaniczna zamknięcia

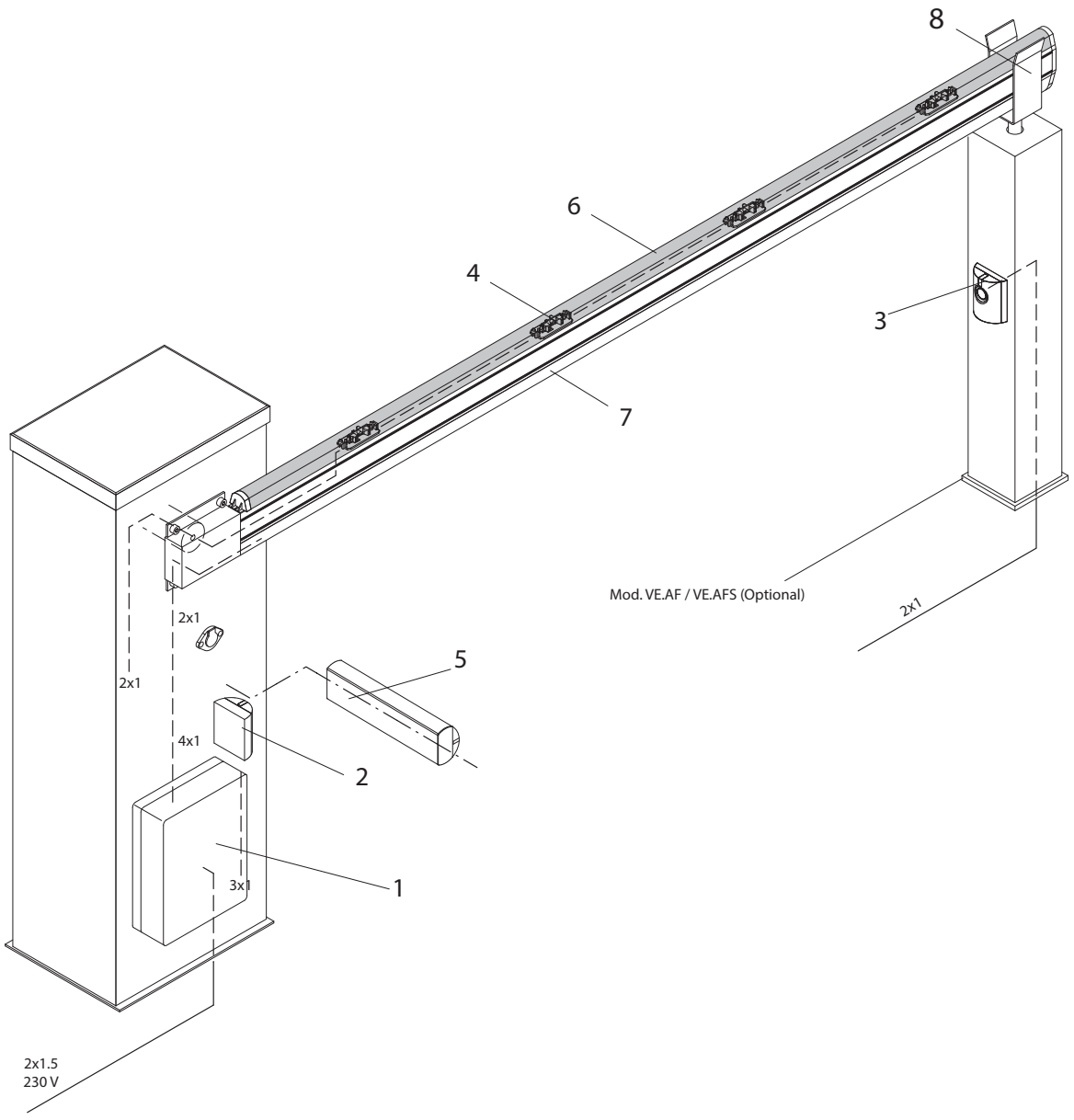
9

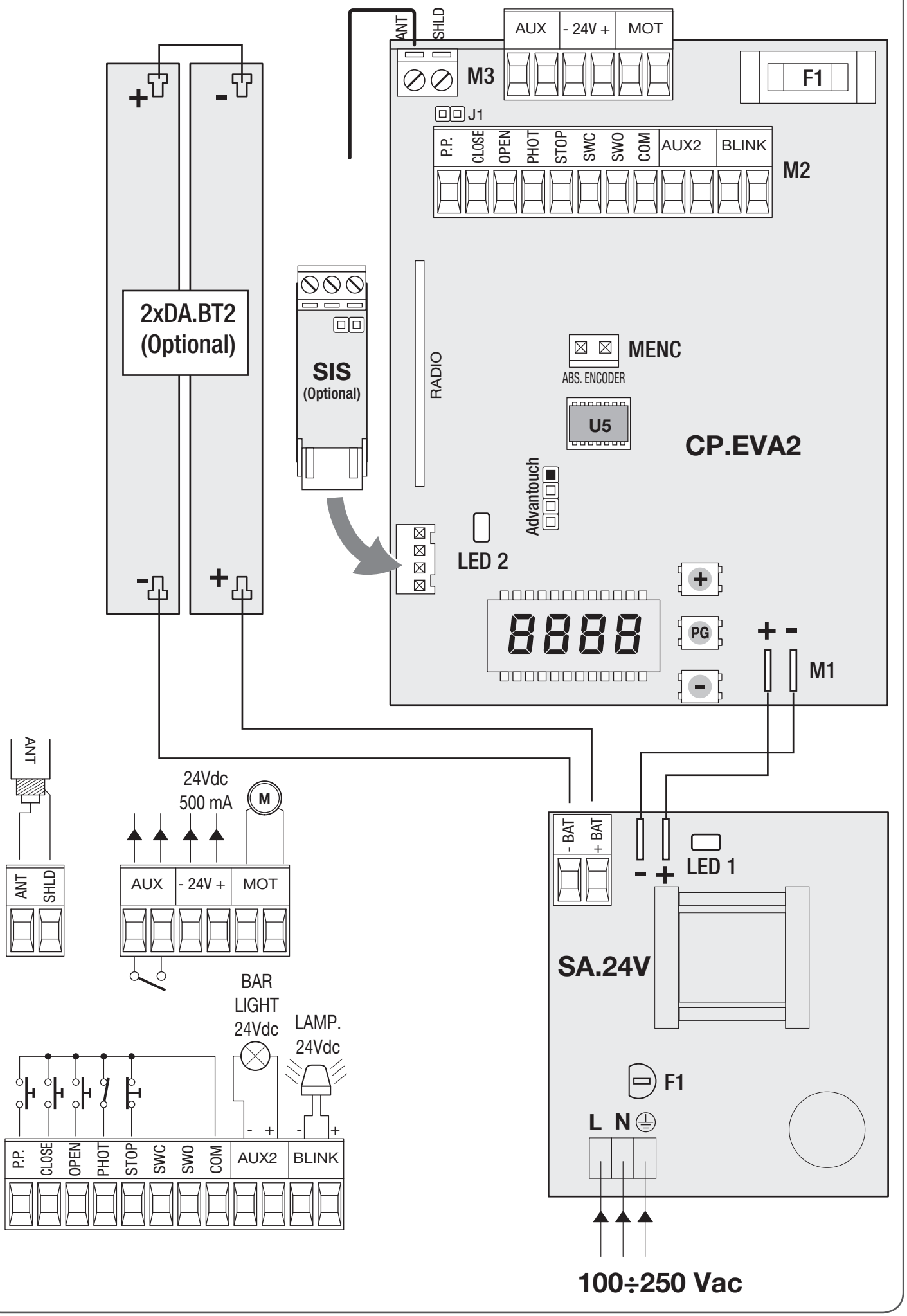

O
Slow-down
Open (SLda)
C

10

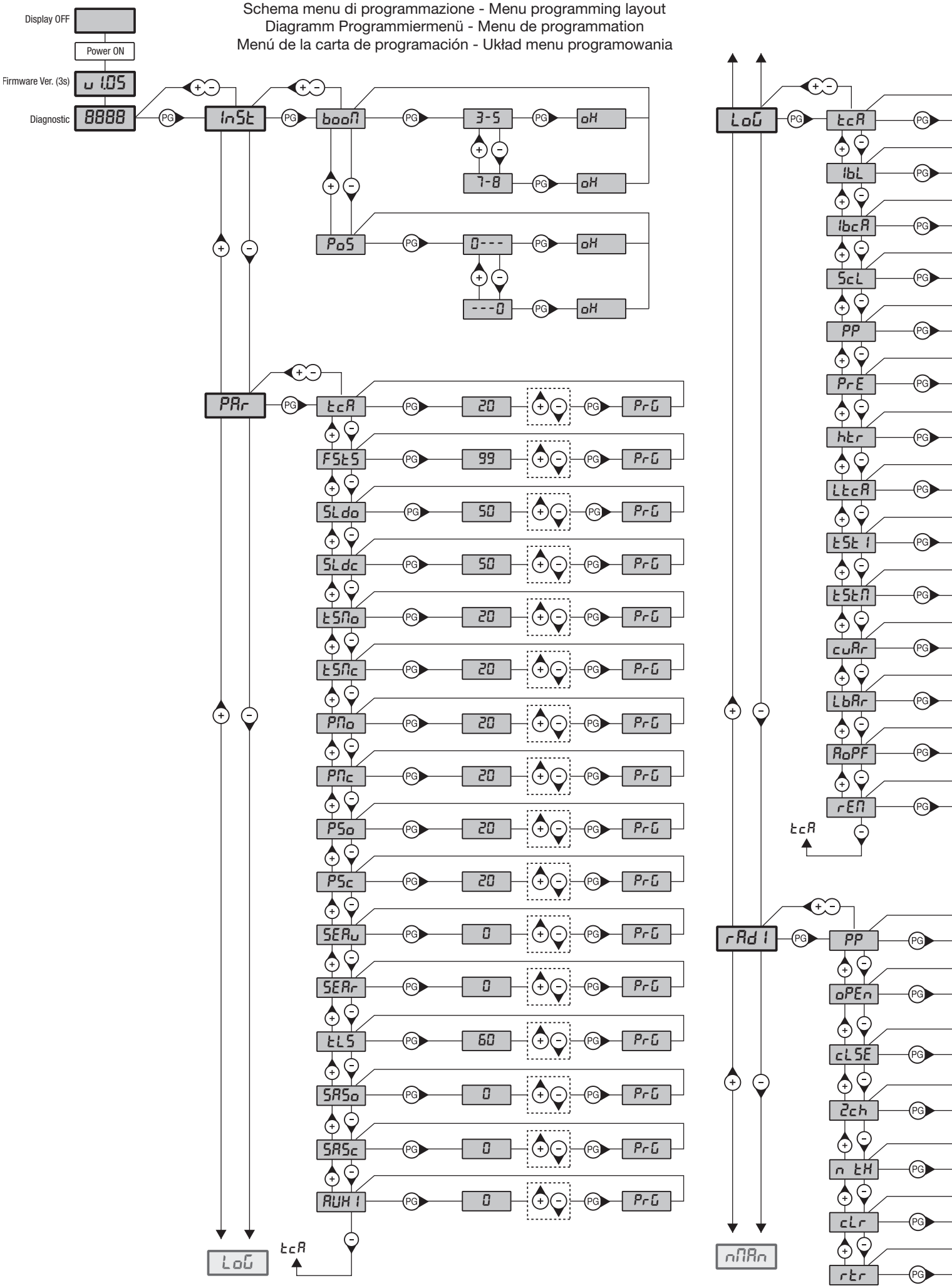

O
Slow-down
Close (SLdc)
C

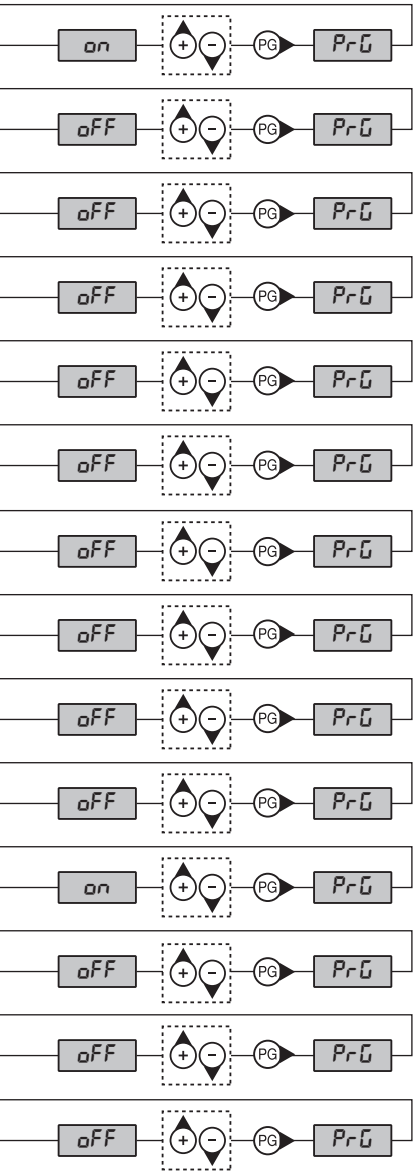
11

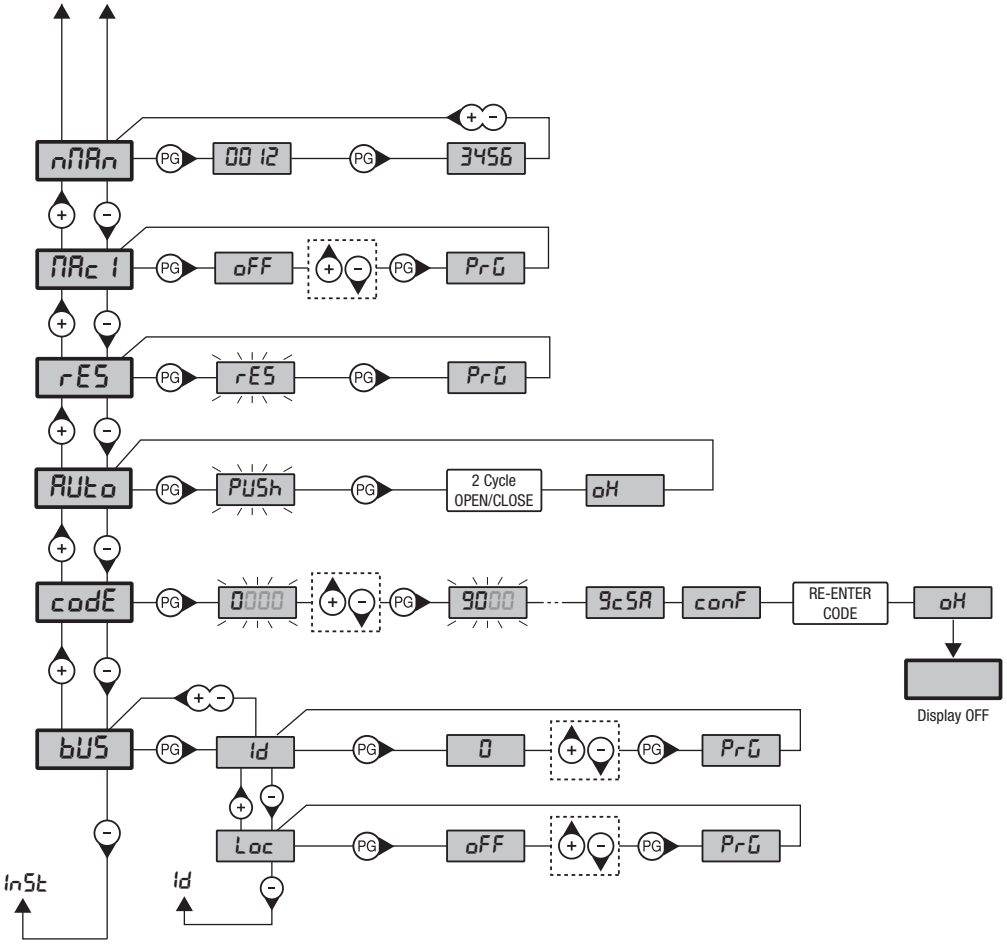

8
6
4
3
7
Mod. VE.AF / VE.AFS (Optional)
2x1
2x1
2x1
5
4x1
2
1
3x1
2x1.5
230 V

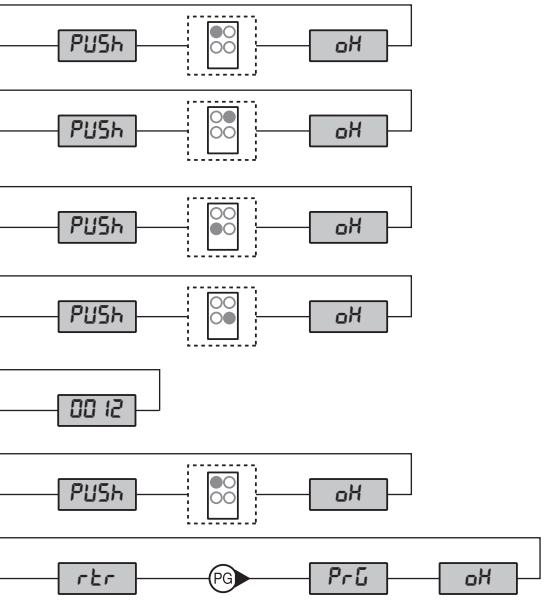

ANT
SHLD
AUX
- 24V +
MOT
M3
F1
J1
P.P.
CLOSE
OPEN
PHOT
STOP
SWC
SWO
COM
AUX2
BLINK
M2
2xDA.BT2
(Optional)
SIS
(Optional)
RADIO
MENC
ABS. ENCODER
U5
CP.EVA2
Advantouch
LED 2
PG
M1
24Vdc
500 mA
M
- BAT
+ BAT
LED 1
SA.24V
BAR
LIGHT
24Vdc
LAMP.
24Vdc
L N
100÷250 Vac

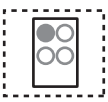
Schema menu di programmazione - Menu programming layout
Diagramm Programmiermenü - Menu de programmation
Menú de la carta de programación - Układ menu programowania



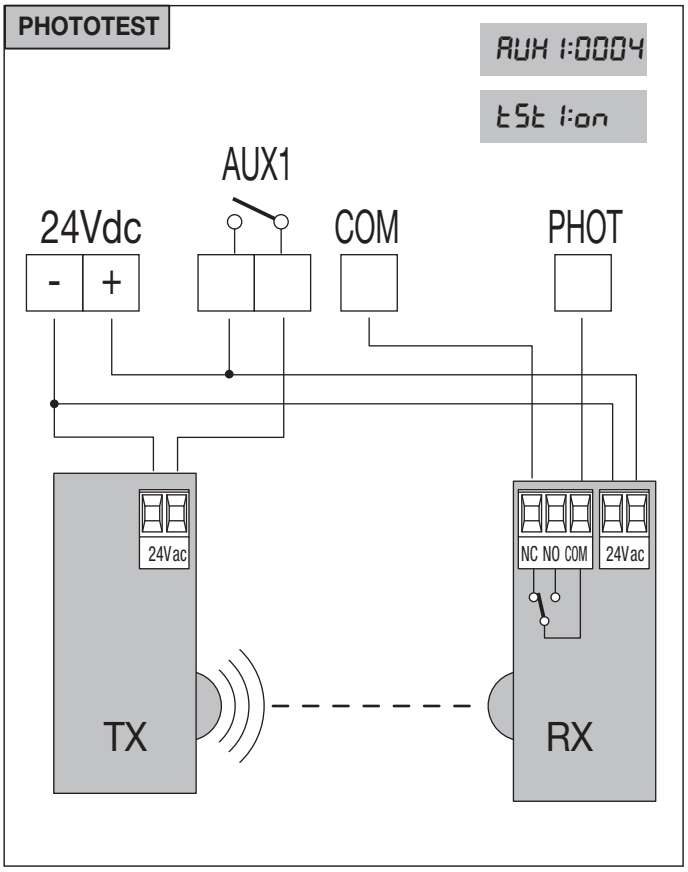


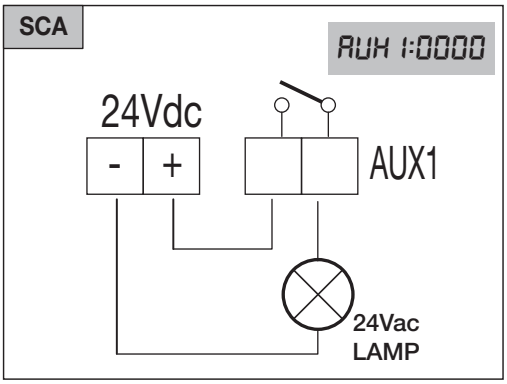


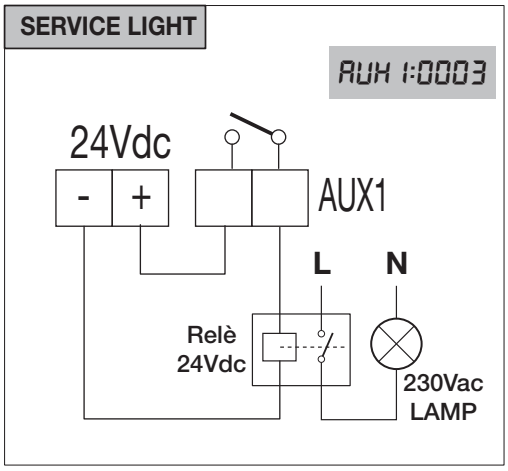


Legenda	
	Premere il tasto (-) / Press key (-) / Die Taste (-) drücken Appuyez sur la touche (-) / Presionar la tecla (-) / Wcisnąć przycisk (-)
	Premere il tasto (+) / Press key (+) / Die Taste (+) drücken Appuyez sur la touche (+) / Presionar la tecla (+) / Wcisnąć przycisk (+)
	Premere il tasto (PG) / Press key (PG) / Die Taste (PG) drücken Appuyez sur la touche (PG) / Presionar la tecla (PG)/ Wcisnąć przycisk (PG)
	Premere simultaneamente (+) e (-) / Press simultaneously keys (+) and (-) Gleichzeitig (+) und (-) drücken / Presser simultanément (+) et (-) Presionar simultáneamente (+) y (-) / Naciskać jednocześnie (+) i (-)
	Selezionare il valore desiderato con i pulsanti (+) e (-) Increase/decrease the value with keys (+) and (-) Mit den Tasten (+) und (-) kann man eingerichtete Werte ändern Régler la valeur désirée avec les touches (+) et (-) Establecer con las teclas (+) y (-) el valor deseado Nastawia przyciskami (+) i (-) obraną wartoś
	Selezionare il pulsante del trasmettitore da associare alla funzione Press the transmitter key, which is to be assigned to function Taste des Sendegeräts drücken, dem diese Funktion zugeteilt werden soll. Appuyer sur la touche du transmetteur qu'e l'on désire affecter à cette fonction. Presionar la tecla del transmisor que se desea asignar a esta función. Wcisnąć przycisk nadajnika, który zamierza się skojarzyć z tą funkcją.

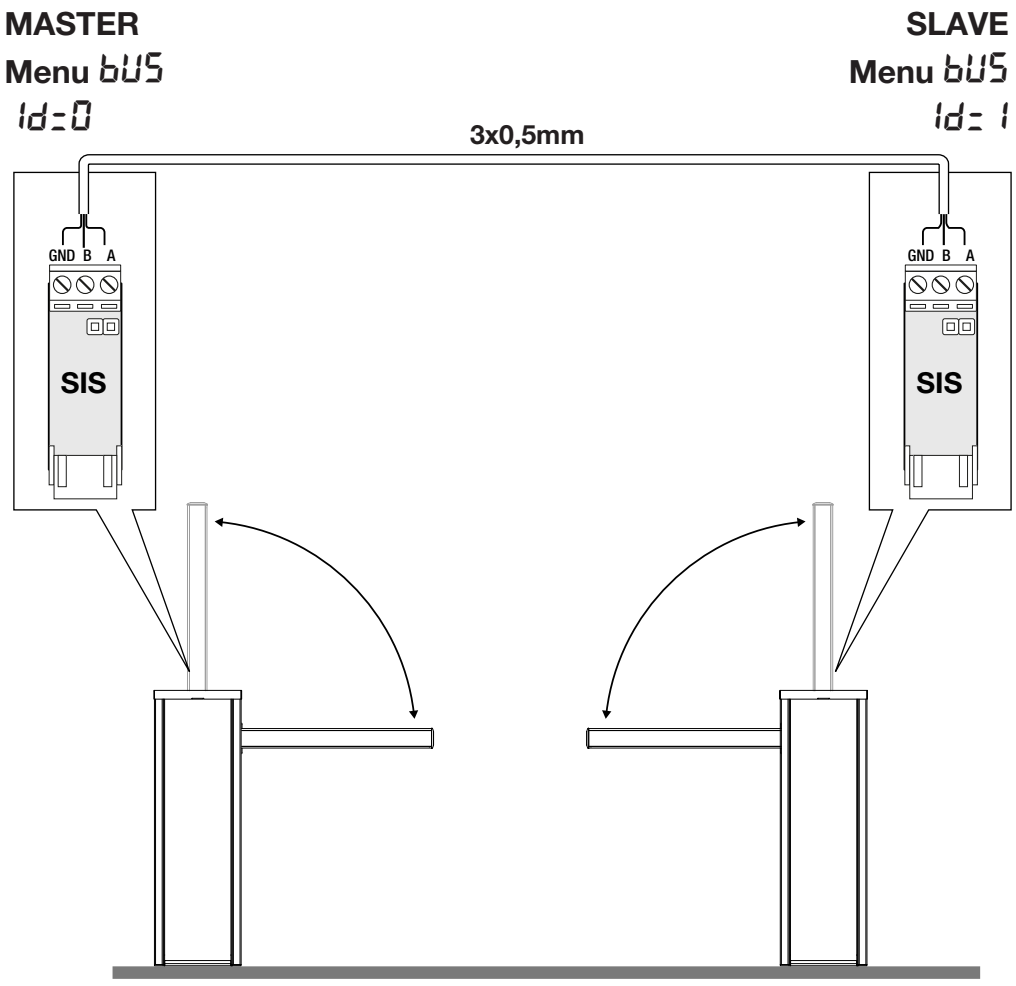
13


PHOTOTEST
AUX 1:0004
tSt 1:on
AUX1
24Vdc
COM
PHOT
-
+
24Vac
NC NO COM
24Vac
TX
RX


SCA
AUX 1:0000
24Vdc
-
+
AUX1
24Vac
LAMP


SERVICE LIGHT
AUX 1:0003
24Vdc
-
+
AUX1
L
N
Relè
24Vdc
230Vac
LAMP

14


MASTER
Menu bUS
Id:0
SLAVE
Menu bUS
Id: 1
3x0,5mm
GND B A
SIS
GND B A
SIS

WARNING

GENERAL INFORMATIONS

The product shall not be used for purposes or in ways other than those for which the product is intended for and as described in this manual. Incorrect uses can damage the product and cause injuries and damages.
The company shall not be deemed responsible for the non-compliance with a good manufacture technique of gates as well as for any deformation, which might occur during use. Keep this manual for further use.

INSTALLER GUIDE

This manual has been especially written to be use by qualified fitters. Installation must be carried out by qualified personnel (professional installer, according to EN 12635), in compliance with Good Practice and current code. Make sure that the structure of the gate is suitable for automation. The installer must supply all information on the automatic, manual and emergency operation of the automatic system and supply the end user with instructions for use.

GENERAL WARNINGS

Packaging must be kept out of reach of children, as it can be hazardous. For disposal, packaging must be divided the various types of waste (e.g. carton board, polystyrene) in compliance with regulations in force. Do not allow children to play with the fixed control devices of the product. Keep the remote controls out of reach of children. This product is not to be used by persons (including children) with reduced physical, sensory or mental capacity, or who are unfamiliar with such equipment, unless under the supervision of or following training by persons responsible for their safety. Apply all safety devices (photocells, safety edges, etc.) required to keep the area free of impact, crushing, dragging and shearing hazard. 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. Installation must be carried out using safety devices and controls that meet standards EN 12978 and EN 12453. Only use original accessories and spare parts, use of non-original spare parts will cause the warranty planned to cover the products to become null and void. All the mechanical and electrical parts composing automation must meet the requirements of the standards in force and outlined by CE marking.

ELECTRICAL SAFETY

The box containing the control unit is secured to barrier case with two screws to avoid damage during transport. Once the barrier has been positioned it possible to remove the screws and to unhook the box from the case so as to facilitate wiring operations and the preparation of the control unit. On completing installation, secure the box to the barrier case again.
An omnipolar switch/section switch with remote contact opening equal to, or higher than 3mm must be provided on the power supply mains. Make sure that before wiring an adequate differential switch and an overcurrent protection is provided.
Pursuant to safety regulations in force, some types of installation require that the gate connection be earthed. During installation, maintenance and repair, cut off power supply before accessing to live parts. Also disconnect buffer batteries, if any are connected. The electrical installation and the operating logic must comply with the regulations in force. The leads fed with different voltages must be physically separate, or they must be suitably insulated with additional insulation of at least 1 mm. The leads must be secured with an additional fixture near the terminals. During installation, maintenance and repair, interrupt the power supply before opening the lid to access the electrical parts
Check all the connections again before switching on the power. The unused N.C. inputs must be bridged.
Consult the control unit instructions manual as regards the regulation of the operating times and logic, the connection of the accessories and of the safety devices, etc.

WASTE DISPOSAL

As indicated by the symbol shown, it is forbidden to dispose this product as normal urban waste as some parts might be harmful for environment and human health, if they are disposed of incorrectly. Therefore, the device should be disposed in special collection platforms or given back to the reseller if a new and similar device is purchased. An incorrect disposal of the device will result in fines applied to the user, as provided for by regulations in force.

Descriptions and figures in this manual are not binding. While leaving the essential characteristics of the product unchanged, the manufacturer reserves the right to modify the same under the technical, design or commercial point of view without necessarily update this manual.

QUICK PROGRAMMING

- Press the <PG> button, the display goes to the "INST" menu
- Enter the INST menu
- Verify that the parameter BOOM is correct: 3-5 for all LADY models (factory settings).
- Set the barrier position by means of the menu POS, by default the barrier is set as RIGHT BARRIER
- Enter the menu AUTO, confirm with <PG> and wait until the barrier has carried out the autoset of the parameters
- By means of the menus PAR and LOG, select the parameters and the logic functions wanted according to the type of installation in object

IMPORTANT: *After every change of the parameters FSTS. SLDO, SLDC, TSMO, TSMC, the barrier executes an opening maneuver followed by a closing one in order to acquire the new values of current and torque, on the screen will appear the message <PRG>*

1) TECHNICAL DATA

	LADY
Feed	**230 Vac**
Motor feed	**24 Vdc**
Motor consumption	**1,5 A**
Torque	**195 Nm**
Degree of protection	**IP44**
Jogging	**Intensive use**
Operation temp.	**-20°C/+50°C**
Opening time	**min. 3,6"**
Lubrication	**Permanent grease**
Noise level	**<70dB (A)**
Weight	**50 kg**

2) POSITIONING THE SPRING AND THE ACCESSORIES FOR USE

Depending on the length of the bar and on the type of accessories installed, before putting the spring under tension it is necessary to choose the correct point in which to attach the spring to the lever.
The correct fastening point ("A", "B" or "C" - Fig.2), must be chosen in table 1, depending on the length of the bar and on the type of accessories you intend to install.

TAB. 1	**LADY/LADY.I**				
	Bar lenght (m)				
Accessories for use	2,2	2,7	3,2	3,7	4,2
NA	**C**	**C**	**C**	**B**	**A**
LADY.P(1)	**C**	**C**	**B**	**B**	**A**
LADY.P(2)	**C**	**C**	**B**	**B**	**A**
VE.RAST	**C**	**B**	**B**	**A**	
LADY.P(1) + VE.RAST	**C**	**B**	**B**	**A**	
LADY.P(1) + VE.AM	**C**	**B**	**B**	**A**	**A**
LADY.P(2) + VE.AM	**C**	**B**	**B**	**A**	
LADY.P(1) + VE.RAST + VE.AM	**C**	**B**	**A**		
SC.RES	**C**	**B**	**B**	**A**	
LADY.P (1) + SC.RES	**C**	**B**	**A**	**A**	
SC.RES + VE.AM	**C**	**B**	**A**	**A**	
LADY.P(1)+ SC.RES + VE.AM	**C**	**B**	**A**		

Key

NA	No accessories
LADY.P(1)	Protection profile (only upper).
LADY.P(2)	Protection profiles (upper and lower).
VE.RAST	Aluminium skirt.
VE.AM	Mobile support for bar.
SC.RES	Sensitive resistive edge (complying EN12878).

Attention:
The installation of the VE.RAST interferes with the use of the SC.RES and vice versa.
The installation of the LADY.L lights kit does not influence the balancing of the bar

3) LAYING THE FOUNDATION PLATE (FIG.3)

After having arranged the passage of the cables (power supply, accessories, etc.), put the foundation plate in position, referring to the measurements in fig.3.

4) FIXING THE BAR (FIG.4)

The bar is fixed to the plate using the support and the screws provided, as illustrated in Fig.4. We recommend installing any accessories for the bar (protective profiles, lights, edge, skirt, etc.) before fixing it to the plate.

5) PREPARING THE BARRIER FOR RIGHT OR LEFT (FIG.5)

If the opening direction reversion is required, proceed as follows. If it is not necessary, go to the next section:

- Entirely unload the spring by loosening it and unhooking it from the "L" anchoring lever
- with reference to Fig. 5, invert the position of the "F1" and "F2" mechanical stoppers. Before loosening the stoppers, back-off the related locking grains (see section HOW TO ADJUST THE MECHANICAL STOPERS)
- unlock the geared motor (see "Manual Operation") insofar as to render the L hooking lever idle.
- according to the length of the road barrier arm and accessories used, choose the correct hooking position, as indicated in paragraph "Positioning of the spring and accessories".
- hook the spring in the new position. Fig. 5 shows the differences between a right-hand road barrier and a left-hand one.

6) MANUAL AND EMERGENCY MANOEUVRES

In the event of a power cut or of abnormal operation, it is possible to release the bar and move it by hand (Fig. 6).
Using the key provided:

- To release the bar, turn the key in a clockwise direction until you fell a certain resistance.
- To restore the automatic movement of the bar, turn the key in an anti-clockwise direction until it is blocked.

7) BALANCING (FIG. 7)

For good operation of the barrier it is fundamental for the bar to be suitably balanced by the action of the spring. To check this, proceed as follows:

- Ensure that the spring is fixed to the correct point of the lever (see paragraph 2).
- Mechanically release the barrier using the release key.
- The correctly balanced bar must stay still in whichever point it is positioned:
  - if it tends to open, decrease the tension of the spring
  - if it tends to close, increase the tension of the spring
  The tension of the spring may be regulated by manually screwing (anti-clockwise rotation) or unscrewing (clockwise rotation) the spring itself. Once you have regulated the spring tension, block it, screwing down the nut “D” until it makes contact with the cap T.

8) REGULATING THE MECHANICAL STOPS (FIG.8)

The inertial movement of the bar after the motor stops is blocked using the adjustable mechanical stops shown in Fig.8.
After having regulated the opening/closing limit stop cam, bring the respective closing mechanical stop into contact with the lever. The opening mechanical stop is of the damped type.
With reference to Fig.8:

- Slacken the blocking dowel
- Tighten /unscrew the mechanical stop until the desired position of intervention is obtained
- Tighten the blocking dowel

9) WIRE DIAGRAM (FIG.11)

1 Control unit CP.EVA2
2 Transmitting photocell FTC
3 Receiving photocell FTC
4 Blinking lights LADY.L
5 Photocell column for barrier LADY.COL
6 Bottom/top rubber protection LADY.P
7 Resistive edge SC.RES
8 Mod. VE.AF / VE.AFI accessory

10) CP.EVA2 CONTROL UNIT WIRE DIAGRAM

Wire connections shown in Fig. 12 are described hereunder:

SA.24V		
TERMINALS	**Function**	**Description**
L-N-GND	Power supply	Mains input 100÷250Vac 50/60Hz
+ -	Output 24Vdc	Controller CP.1524 power supply output 24 Vdc
BAT-BAT	Batteries	Clamp input for connection of back-up batteries (accessory).
CP.EVA2		
TERMINAL BLOCK M1		
M1	24Vdc INPUT	24Vdc input for powering the CP.EVA2.In case of use of the SUN SYSTEM it is necessary to connect the 24Vdc output of the SUN.SY to M1 (see the KSUN instructions)
TERMINAL BLOCK M2		
P.P.	Step by step	Input for step by step command (N.O. contact) .
CLOSE	Close	Input for close command (N.O. contact) .
OPEN	Open	Input for open command (N.O. contact), It is possible to connect a timer for programmed openings.
PHOT	Photocell	Input for photocells enabled during opening and closing phase (N.C. contact).
STOP	STOP	Input for STOP command (N.C. contact).
SWC	Closing limit switch	Input for closing limit switch (N.C. contact). To be used ONLY FOR BARRIER WITH ELECTROMECHANICAL LIMIT SWITCHES. If not used it is NOT NECESSARY TO BRIDGE the input to the common COM.
SWO	Opening limit switch	Input for opening limit switch (N.C. contact). To be used ONLY FOR BARRIER WITH ELECTROMECHANICAL LIMIT SWITCHES. If not used it is NOT NECESSARY TO BRIDGE the input to the common COM.
COM	Common	Common for all the input commands and the limit switches .
AUX2	24Vdc output for bar light	24Vdc output for the bar flashing light EVA.L (max 2), the flashing mode can be set by means of the logic LBAR.
BLINK	Blinker	Output 24Vdc 15W max. for flashing light connection (EVA.LAMP) to be installed on the top cover of the barrier.

TERMINAL BLOCK M3		
ANT-SHIELD	Antenna	Connection for the antenna of the built in receiver (ANT-signal/SHIELD-shield). In case of use of an external antenna it is necessary to remove the pre-cabled cable from the terminal ANT
AUX	Auxiliary output AUX 1	Output with N.O. contact configurable by means of the logic AUX 1
24V	24 Vdc	Accessory power supply 24Vdc 500 mA maximum
MOT	Motor	Motor connection: 24Vdc.

TERMINAL MENC		
ABS ENC	Encoder input	Absolute encoder input, pre-cabled by factory.

11) PROGRAMMING

The programming of the various functions of the control unit is carried out using the LCD display on the control unit and setting the desired values in the programming menus described below.
The parameters menu allows you to assign a numerical value to a function, in the same way as a regulating trimmer.
The logic menu allows you to activate or deactivate a function, in the same way as setting a dip-switch.

11.1) TO ACCESS PROGRAMMING

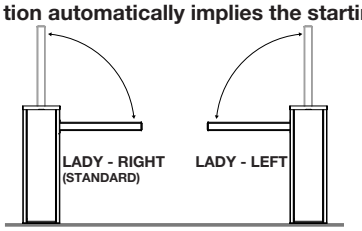
1 -Press the <PG> button to enter the first Installation menu “INST”.
2 -Choose with <+> or <-> button the menu you want to select
3 - Press the button <PG>, the display shows the first function available on the menu.
4 - With the <+> or <-> button, select the function you want.
5 - Press the button <PG>, the display shows the value currently set for the function selected.
6 - With the <+> or <-> button, select the value you intend to assign to the function.
7 - Press the button <PG>, the display shows the signal “PRG” which indicates that programming has been completed.

11.2) PROGRAMMING NOTES

Simultaneously pressing <+> and <-> from inside a function menu allows you to return to the previous menu without making any changes. Hold down the <+> key or the <-> key to accelerate the increase/decrease of the values.
Hold down the <+> key or the <-> key to accelerate the increase/decrease of the values.
After waiting 120s the control unit quits programming mode and switches off the display.
When the board is switched on, the software version is displayed for around 5 sec
The pre-set logic functions and parameters are made taking account of a typical installation.

12) PARAMETERS, LOGICS AND SPECIAL FUNCTIONS

The following tables describe the functions available on the control unit

12.1) INSTALLATION (InSt)			
MENU	**FUNCTION**	**MIN-MAX-(Default)**	**MEMO**
boon	Select the length of the boom installed on the barrier. Value expressed in meter from 3m to 5m (all LADY models) or from 7m to 8m (other models) According to the selected boom length, the optimal value of speed will be set.	3/5 -7/8 (7-8)	
PoS	Set the closing direction of the barrier. The symbol 0--- indicates right barrier (R/RIGHT) DEFAULT The symbol ---0 indicates left barrier (L/LEFT) **Verify the opening direction of the boom and in case reverse it. Every change of this function automatically implies the starting of a new AUTOSET procedure.**  	0--- = RIGHT ---0 = LEFT (RIGHT)	

12.2) PARAMETERS (PAr)

MENU	FUNCTION	MIN-MAX-(Default)	MEMO
tcA	Automatic closing time. Enabled only with logic “TCA”=ON. At the end of the set time, the control unit commands a closing maneuver .	1-240-(20s)	
FStS	Adjusts the opening and closing speed of the barrier (standard speed, before the slowdown phase).	50-99-(99)	
SLdo	Adjusts the slowdown speed of the barrier during the opening phase* (Fig.9 -slow Open).	20-70-(50)	
SLdc	Adjusts the slowdown speed of the barrier during the closing phase * (Fig.10 -slow Close).	20-70-(50)	
tSMo	Sets the starting point of the slowdown during the opening phase (Fig.9- beginning of the slow Open). The value is expressed in percentage on the entire stroke.	1-99-(20)	
tSMc	Sets the starting point of the slowdown during the closing phase (Fig.10- beginning of the slow Close). The value is expressed in percentage on the entire stroke.	1-99-(20)	
PMo	Adjusts the motor torque applied to the barrier during the opening phase.*	1-99-(20)	
PMc	Adjusts the motor torque applied to the barrier during the closing phase.*	1-99-(20)	
PSo	Adjusts the motor torque applied to the barrier during the slowdown in opening phase * (Fig.9 - Slow Open).	1-99-(20)	
PSc	Adjusts the motor torque applied to the barrier during the slowdown in closing phase * (Fig.10- Slow Close).	1-99-(20)	
SEAU	Adjusts the intervention threshold of the anti crushing device (Encoder) during the normal speed*. 0:Off -1: minimum sensitivity - 99: maximum sensitivity	0-99-(0%)	
SEAr	Adjusts the intervention threshold of the anti crushing device (Encoder) during the slowdown speed*. 0:Off -1: minimum sensitivity - 99: maximum sensitivity	0-99-(0%)	
tLS	Activation time of the courtesy light contact. Value expressed in seconds. At the beginning of each maneuver the contact latches for the set time. See the description of AUX1 parameter.	1-240 (60)	
SASo	Sets a short reversion after reaching the limit switch in open position. Can be useful for facilitating the manual release.	0-5 (0)	
SASc	Sets a short reversion after reaching the limit switch in close position. Can be useful for facilitating the manual release.	0-5 (0)	
AUX 1	Selects the functioning mode of the auxiliary output 1 (N.O. clean contact) 0: Open barrier light, close contact when the barrier is open, open contact when the barrier is close, intermittent during the maneuver (fig. 13, SCA) 1: Second radio cannel of the built in receiver 2: Boom light, for controlling the LED light installed on the BOOM (EVA.LED), see also the parameter LBAR. 3: Courtesy light, the contact remains close according to the parameter TLS (fig.13 SERVICE LIGHT) 4: Photocells test, see wiring diagram in Fig.13 (PHOTOTEST) 5: Close contact with open barrier 6: Close contact with close barrier	0-6-(0)	

*** ATTENTION: A WRONG SETTING OF THESE PARAMETERS CAN BE DANGEROUS.**
RESPECT THE REGULATION IN FORCE!
After each Autoset procedure and/or PMO/PMC/PSC, PSO changing parameters, proceed with verification of impact forces as required by EN12445.

12.3) LOGICS (LoG)

MENU	FUNZIONE	ON-OFF-(Default)	MEMO
tcA	Enables or disables automatic closing On: automatic closing enabled Off: automatic closing disabled	(ON)	
Ibl	Enables or disables condominium function. On: condominium function enabled. The step-by-step impulse or transmitter impulse has no effect during the opening phase. Off: condominium function disabled.	(OFF)	
IbcA	The multi-flat function is enabled or disabled during the TCA counting. On: the bloc of flat function is enabled. The Step-by-Step signal or the transmitter signal has no effect during the TCA counting. Off: the bloc of flat function is disabled.	(OFF)	
ScL	Enables or disables rapid closing On: rapid closure is enabled. With open bar, or in the opening phase, the activation of the photocell causes the automatic closure 3sec after the total opening of the gate. It is activated only with TCA:ON Off: rapid closing disabled.	(OFF)	

PP	Selects the operating mode of the ”Step by step button” and of the transmitter. On: Operation: OPEN > CLOSE > OPEN > Off: Operation: OPEN > STOP > CLOSE > STOP >	(OFF)	
PrE	Enables or disables pre-blinking. On: Pre-blinking enabled. Blinking is activated 3s before the motor starts. Off: Pre-blinking disabled.	(OFF)	
htr	Enabled or disables HOLD-TO-RUN function On: HOLD-TO-RUN function. The pressure of the OPENS/CLOSES button must be maintained throughout the entire manoeuvre. The opening of the STOP input stops the motor. All the safety inputs are deactivated. Off: Automatic/semiautomatic function	(OFF)	
LtcA	Selects the operating mode of the blinking light during the time TCA On: Blinking light on during TCA Off: Blinking light off during TCA	(OFF)	
tSt 1	Enables or disables checking of photocells on PHOT input, active both in closing and in opening. On: Check enabled. If the check has a negative result, no manoeuvre is commanded. See Fig.13 - “PHOTO TEST”. Off: Checking of photocells disabled at each manoeuvre.	(OFF)	
tStM	Enables or disables motors check. On: Check enabled. If the check has a negative result, no manoeuvre is commanded. Off: Check disabled.	(OFF)	
cuAr	The code programmable transmitters is enabled or disabled. On: Radio receiver enabled only for rolling-code transmitters. Off: Receiver enabled for rolling-code and programmable code transmitters (self-learning and Dip Switch).	(ON)	
LbAr	Selects the functioning mode of the boom light (24Vdc output on AUX2 or N.O. contact on the output AUX 1 when configured at 2). On: The boom light is off when the barrier is close, it turns on when the barrier is in movement or open. On: The boom light flashes slowly when the barrier is close (1s pause), it flashes quickly (0,5s pause) when the barrier is in movement or open.	(OFF)	
AoPF	The “forced opening in case of power cut-off” function is activated or deactivated (it can be activated only with connected and operating emergency batteries). On: Activated function. In the event of power failure, the control unit causes an opening operation. The barrier remains open until the power supply is back. Off: Deactivated function.	(OFF)	
rEn	Enables or disables remote radiotransmitters learning, as indicated in the paragraph “Remote transmitters learning”. On: Remote learning enabled. Off: Remote learning not enabled.	(OFF)	

12.4) RADIO (rAd i)

MENU	FUNZIONE
PP	By selecting this function, the receiver goes in waiting (PUSh) for a transmitter code to assign to the step-step function. Press the key of the transmitter to assign to this function. If the code is valid, it is memorised and the message oK is displayed If the code is not valid, the message Err is displayed
oPEn	By selecting this function, the receiver goes in waiting (PUSh) for a transmitter code to assign to the OPEN function. Press the key of the transmitter to assign to this function. If the code is valid, it is memorised and the message oK is displayed If the code is not valid, the message Err is displayed
cLoSE	By selecting this function, the receiver goes in waiting (PUSh) for a transmitter code to assign to the CLOSE function. Press the key of the transmitter to assign to this function. If the code is valid, it is memorised and the message oK is displayed If the code is not valid, the message Err is displayed
2ch	By selecting this function, the receiver goes into waiting (PUSh) for a transmitter code to assign to the second radio channel. Press the key of the transmitter to assign to this function. If the code is valid, it is memorised ad the oK message is displayed If the code is not valid, the message Err is displayed.
ntH	By selecting this function the LCD screen shows the number of transmitters memorized into the receiver.
clr	By selecting this function, the receiver goes into waiting (PUSh) for a transmitter code to erase from the memory. If the code is valid, it is erased and the message oK is displayed If the code is not valid or not present in memory, the message Err is displayed
rtr	Completely erases memory of the receiver. Confirmation of the operation is requested. By selecting this function the receiver goes into waiting (PUSh) for a new PGM pressure to confirm the operation. At end of erasing the oK message is displayed

12.5) CYCLES NUMBER (nMAn)

Displays the number of complete cycles (open+close) carried out by the automation.
When the <PG> button is pressed for the first time, it displays the first 4 figures, the second time it shows the last 4. Example <PG> 00 12 >>> <PG> 3456: made 123.456 cycles.

12.6) MAINTENANCE CYCLES (MAc i)

This function enables to activate the maintenance request notice after a number of manoeuvres determined by the installer.
To activate and select the number of manoeuvres, proceed as follows:
Press button <PG>, the display will show OFF, which indicated that the function is disabled (default value).
With the buttons <+> and <-> select one of the numeric values proposed (from OFF to 100). The values are intended as hundreds of cycles of manoeuvres (for example: the value 50 indicates 5000 manoeuvres).
Press the OK button to activate the function. The display will show the message ProG.
The maintenance request is indicated to the user by keeping the indicator lamp lit up for other 10 sec after the conclusion of the opening or closing operation.

12.7) RESET (rES)

RESET of the control unit. ATTENTION!: Returns the control unit to the default values.
Pressing the <PG> button for the first time causes blinking of the letters rES, pressing the <PG> button again resets the control unit. Note: The transmitters are not erased from the receiver nor is the access password.
All the logics and all the parameters are brought back to default values, it is therefore necessary to repeat the autoset procedure.

12.8) AUTOSET (AUto)

This function sets the optimal functioning values of the installation, at the end of the procedure, it sets the average values of torque (PMO/PMC and PSO/PSC).
To carry out the AUTOSET, proceed as follow:
a) Make sure that during the autoset there is no obstacle is in the maneuver area, if necessary, fence off the area so that persons, animals, cars, etc., cannot interrupt the procedure.
During the AUTOSET procedure, the anti crushing feature is not enabled.
b) select the function AUTO and press PG.
c) the control unit waits the confirmation to start the procedure “PUSH”
c) press PG to start the AUTOSET procedure.
The control unit performs few maneuvers for the stroke learning and the configuration of the parameters.
In case that the procedure is not successful the message ERR will be shown. Repeat the procedure after checking the wirings and the possible presence of obstacles.

12.9) PASSWORD (codE)

It allows to type in an access protection code to the programming of the control unit.
A four-character alphanumeric code can be typed in by using the numbers from 0 to 9 and the letters A-B-C-D-E-F.
The default value is 0000 (four zeros) and shows the absence of a protection code.
While typing in the code, this operation can be cancelled at any moment by pressing keys + and – simultaneously. Once the password is typed in, it is possible to act on the control unit by entering and exiting the programming mode for around 10 minutes in order to allow adjustments and tests on functions.
By replacing the 0000 code with any other code, the protection of the control unit is enabled, thus preventing the access to any other menu. If a protection code is to be typed in, proceed as follows:
- select the Code menu and press OK.
- the code 0000 is shown, also in the case a protection code has been previously typed in.
- the value of the flashing character can be changed with keys + and -.
- press OK to confirm the flashing character, then confirm the following one.
- after typing in the 4 characters, a confirmation message “CONF” appears.
- after a few seconds, the code 0000 appears again
- the previously stored protection code must be reconfirmed in order to avoid any accidental typing in.

If the code corresponds to the previous one, a confirmation message “oH” appears.
The control unit automatically exits the programming phase. To gain access to the Menus again, the stored protection code must be typed in.
IMPORTANT: TAKE NOTE of the protection code and KEEP IT IN A SAFE PLACE for future maintenance operations.
To remove a code from a protected control unit it is necessary to enter into programming with the password and bring the code back to the 0000 default value.
IF YOU LOOSE THE CODE, PLEASE CONTACT THE AUTHORISED SERVICE CENTER FOR THE TOTAL RESET OF THE CONTROL UNIT.

12.10) SYNCHRONIZATION (bUS)

MENU	FUNZIONE
Id	Sets the synchronizing number. It is possible to set a numeric value from 0 to 16. If the ID parameter is to 0 the control unit is set as MASTER, all the other values set the barrier as SLAVE.
Loc	Allows a barrier set as SLAVE to receive local commands. See paragraph 12.4 “SYNCHRONIZATION OF TWO OPPOSED BARRIERS”

13) SYNCHRONIZATION OF TWO OPPOSED BARRIERS

It is possible to manage a system composed of two barriers by using for each CP.EVA2 the specific optional control unit SIS, which must be plugged into the appropriate connector as shown in Fig. 12.
Each SIS unit must be connected to the other one by means of 3 wires by 0,5 sq.mm each, as shown in Fig.12.
One of the control unit must be set as MASTER (ID=0) and the other one as SLAVE (ID>0).
All the commands (commands given by transmitters, push buttons or safety devices) received by the MASTER barrier are sent to the SLAVE barrier, which will replicate instantaneously the behavior of the MASTER.
The logic LOC can be set in two ways:
ON: the SLAVE barrier can accept a local command and execute an opening/closing maneuver with no effect on the MASTER barrier.
OFF: the SLAVE barrier do not accept any local command and so it will replicate exclusively the behavior of the MASTER barrier.
A SLAVE barrier with LOC set to ON can be useful in case it is occasionally necessary the partial opening of a passage which is usually managed by two synchronized barriers, since that a step by step command (or OPEN/CLOSE) given to the SLAVE will have effect only on this last one, while all the other commands given to the MASTER will be replicated by the SLAVE.
The connection of the safety devices (photocells, safety edges, etc.) can be done indifferently to the MASTER unit or to the SLAVE.

14) TRANSMITTERS REMOTE LEARNING

If an already memorised transmitter is available in the receiver it is possible to carry out remote radio learning (without needing to access the control unit).
IMPORTANT: the procedure must be carried out with barrier open.The logic REM must be ON.
Proceed as follows:
1 Press the hidden key of the transmitter which is already memorised.
2 Press, within 5s, the key of the corresponding transmitter which is already memorised to associate to the new transmitter. The flashing light will turn on.
3 Press within 10s the hidden key of the new transmitter.
4 Press, within 5s, the key of the new transmitter to associate to the channel chosen at point 2. The flashing light will turn off.
5 The receiver memorised the new transmitter and immediately exits from programming.

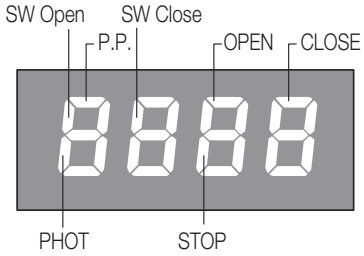
15) FUSES

F3 CP.EVA2: T1A - Fuse for the protection of the accessories power supply
F1 SA.24V: T4A - Fuse for general protection

16) BACK UP BATTERIES

The control unit CP.EVA2 includes the power pack SA.24V predisposed for the connection of two batteries by 12Vdc 2,1Ah DA.BT2 (optional) which guarantee the regular functioning of the automation in case of temporary power failure.
When the barrier is working with mains voltage the power pack SA.24V charges the batteries (Fig. 12).
The maximum charging current is 1A, the average charging current is 300 mA.

17) DIAGNOSTICS



LED 1 : Presence of mains voltage
LED 2 : Control unit CP.EVA2 correctly powered
To each input is associated a line of the LCD screen which in case of activation it turns on according to the following diagram.
The N.C. inputs are represented by vertical lines.
The N.O. inputs are represented by horizontal lines.
The flashing mode of the lines SW Open (when the barrier is open) and SW Close (when the barrier is close)

18) ERROR MESSAGES

Some messages that are displayed in case of function anomalies are listed as follows:

Err	Generic error	Error inserting password or memorizing transmitter..
Err 1	Motor error	Verify the motor wirings, faulty motor or not connected, problem on the control unit.
Err2	Photocells error	Verify connections, photocells alignment and presence of obstacles.
Err3	Absolute encoder error	Verify encoder connections, verify the good functioning of the Encoder.
AMP	Amperometric sensor intervention	Verify the presence of obstacles or friction points.
thrM	Thermal sensor intervention	Overheating due to a too intensive use, wait the restoring.
ouLd	Overload	Exceeding of the maximum power. Verify the motor and presence of friction points..
Enc	Encoder	Encoder threshold intervention.

LADY

User's handbook

Safety rules

- Do not stand in the movement area of the gate.
- Do not let children play with controls and near the gate.
- Should operating faults occur, do not attempt to repair the fault but call a qualified technician.

Manual and emergency manoeuvres

In the event of a power cut or of abnormal operation, it is possible to release the bar and move it by hand.
Using the key provided:

- To release the bar, turn the key in a clockwise direction until you fell a certain resistance.
- To restore the automatic movement of the bar, turn the key in an anti-clockwise direction until it is blocked.

Maintenance

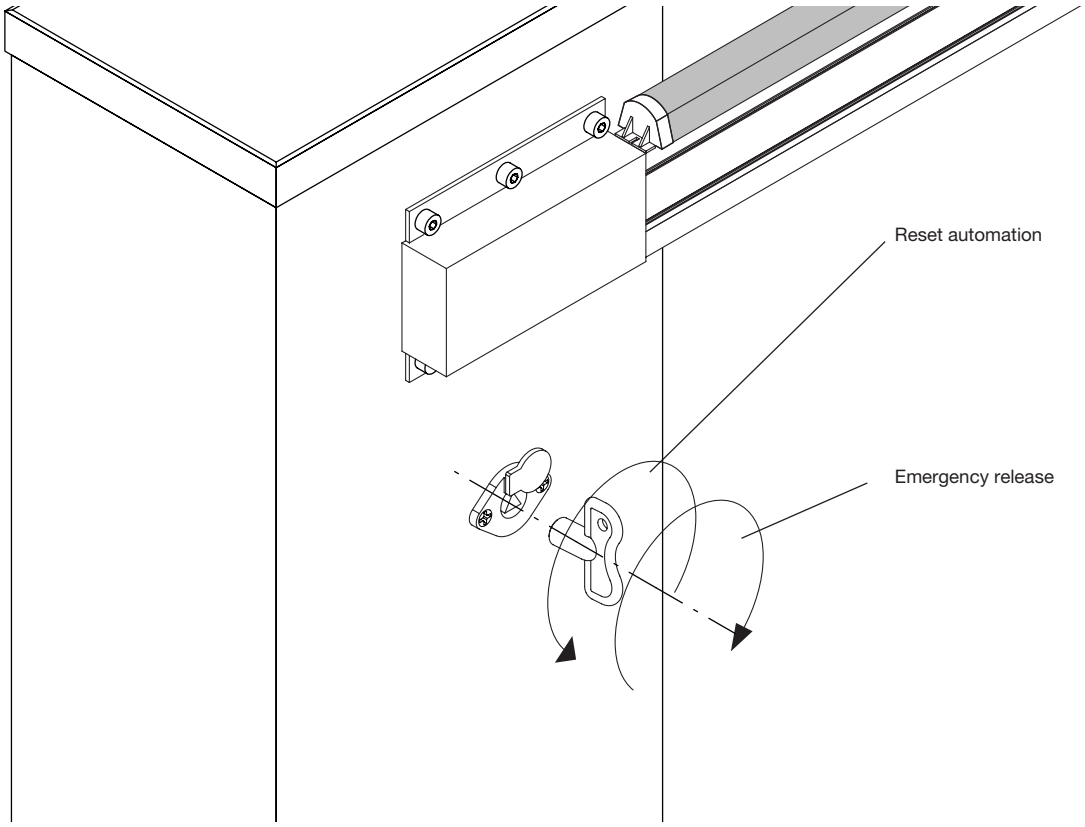
- Every month check the good operation of the emergency manual release.
- It is mandatory not to carry out extraordinary maintenance or repairs as accidents may be caused. These operations must be carried out by qualified personnel only.
- The operator is maintenance free but it is necessary to check periodically if the safety devices and the other components of the automation system work properly. Wear and tear of some components could cause dangers.

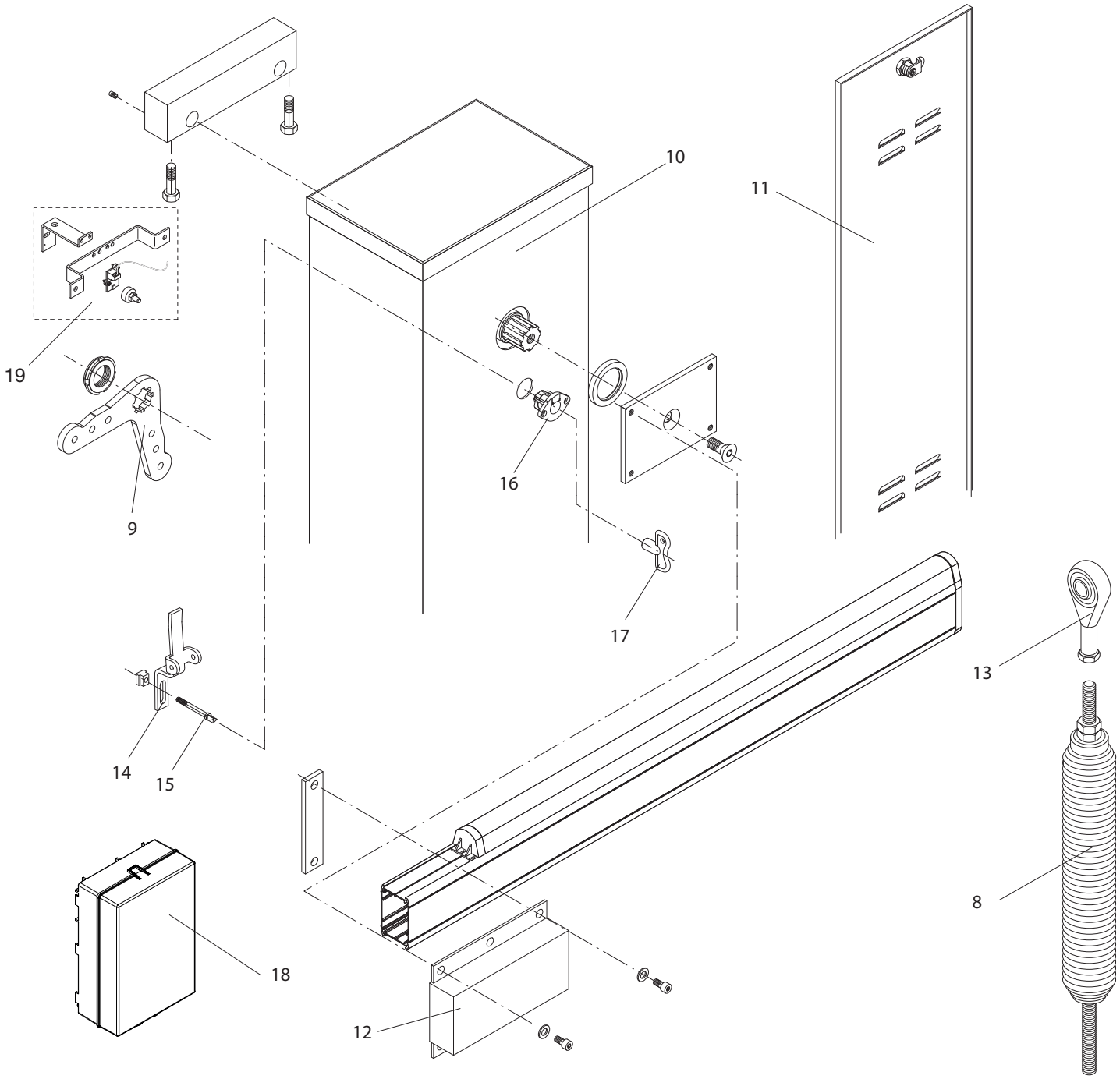
Waste disposal

If the product must be dismantled, it must be disposed according to regulations in force regarding the differentiated waste disposal and the recycling of components (metals, plastics, electric cables, etc..). For this operation it is advisable to call your installer or a specialised company.

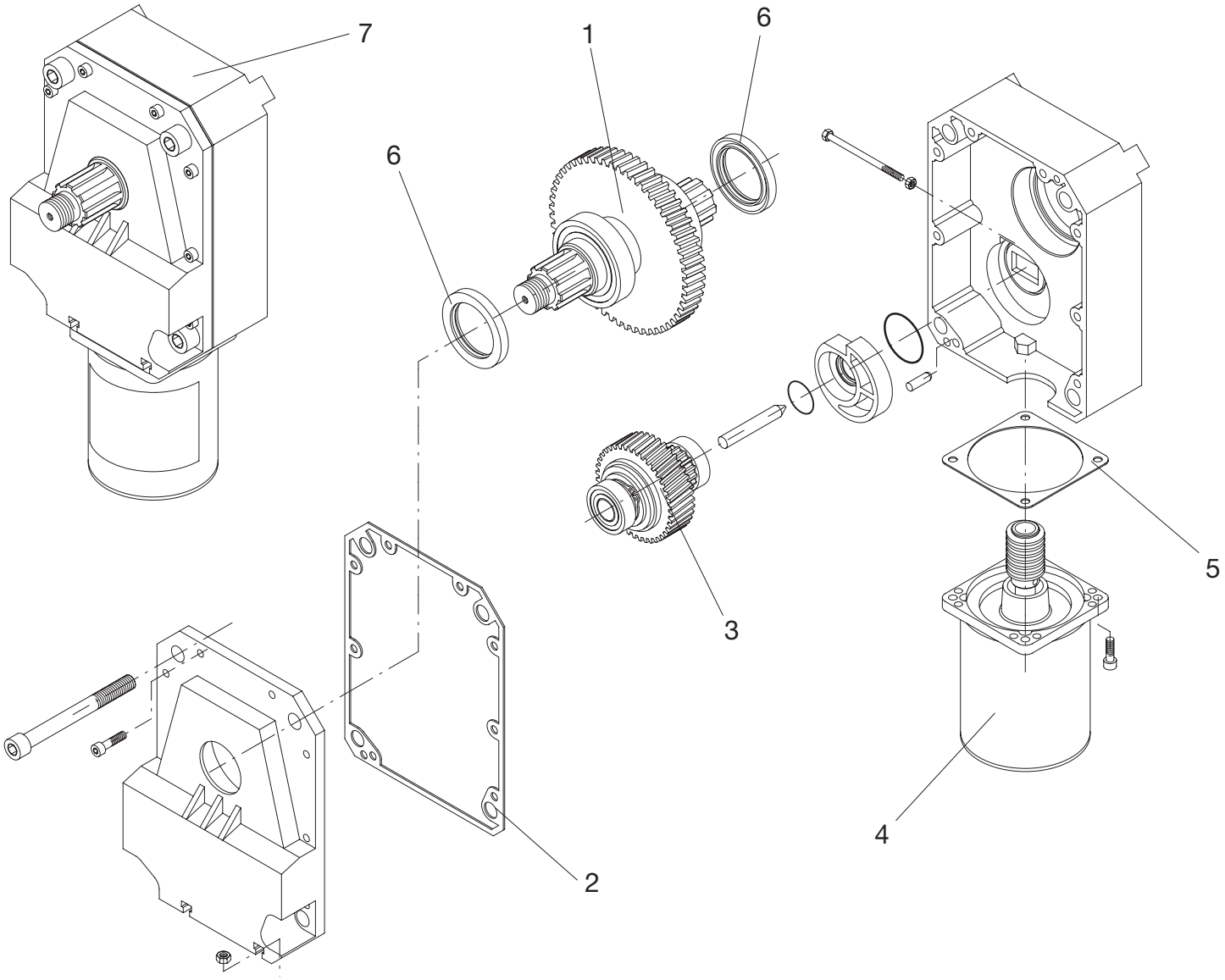
Warning

All Benincá products are covered by insurance policy for any possible damages to objects and persons caused by construction faults under condition that the entire system be marked CE and only Benincá parts be used.





Pos.	Denominazione - Description - Bezeichnung - Dénomination - Denominación - Określenie						Cod.
8	Molla	**Spring**	*Feder*	***Ressort***	Muelle	**Sprężyna**	9686183
9	Leva	**Lever**	*Hebel*	***Levier***	Palanca	**Uchwyt**	9686248
10	Colonna	**Column**	*Säule*	***Fût***	Columna	**Kolumna**	9686180
11	Porta	**Door**	*Tür*	***Porte***	Puerta	**Drzwiczki**	9686181
12	Supporto	**Support**	*Support*	***Support***	Soporte	**Wspornik**	6986184
13	Testa a snodo	**Articulated head**	*Gelenkkopf*	***Tête à rotule***	Cabeza de unión	**Głowa sprężyny przegubowa**	9686666
14	Leva sblocco	**Release lever**	*Entriegelungshebel*	***Levier déblocage***	Palanca de desbloqueo	**Uchwyt rozsprzęglający**	9686190
15	Perno sblocco	**Release pin**	*Entriegelungsbolzen*	***Axe déblocage***	Perno de desbloqueo	**Sworzeń rozsprzęglający**	9686191
16	Flangia Sblocco	**Release flange**	*Entriegelungsflansch*	***Flasque déblocage***	Brida de desbloqueo	**Kołnierz rozsprzęglający**	9686192
17	Chiave sblocco	**Release key**	*Entriegelungsschlüssel*	***Clé déblocage***	Llave de desbloqueo	**Pilot kluczowy rozs.**	9686193
18	Centrale	**Control unit**	*Zentrale*	***Boîtier logique***	Centralita	**Centralka**	
19	Encoder	**Encoder**	*Encoder*	***Encoder***	Encoder	**Encoder**	9688241



Pos.	Denominazione - Description - Bezeichnung - Dénomination - Denominación - Określenie						Cod.
1	Albero supp. ingr.	**Gear shaft**	*Welle Zahnrädersupport*	***Arbre engrenages***	Eje de sop. engr.	**Wał wsp. przekł.zęb.**	9686110
2	Guarnizione	**Gasket**	*Dichtung*	***Garniture***	Junta	**Uszczelka**	9686112
3	Ingranaggio e piolo	**Gear and pin**	*Zahnrad und Stift*	***Engrenage et pivot***	Engranaje y espiga	**Przekładnia zębata i kołek**	9686111
4	Motore	**Motor**	*Motor*	***Moteur***	Motor	**Silnik**	
5	Guarnizione ridut.	**Red. unit gasket.**	*Dichtung Untersetzungs*	***Garniture réduct.***	Junta red.	**Uszczelka redukt.**	9686109
6	Anello di tenuta	**Lip seal**	*Dichtungsring*	***Joint d'étanchéité***	Arandela de cierre	**Pierścień uszczelniający**	9686555
7	Motoriduttore	**Geared motor**	*Getriebemotor*	***Motoréducteur***	Motorreductor	**Motoreduktor**	

Dichiarazione CE di Conformità

Nome del produttore: **Automatismi Benincà SpA**
Indirizzo: **Via Capitello, 45 - 36066 Sandrigo (VI) - Italia**
Telefono: **+39 0444 751030** Indirizzo e-mail: **sales@beninca.it**
Persona autorizzata a costruire la documentazione tecnica: **Automatismi Benincà SpA**
Tipo di prodotto: **automazione per barriere stradali**
Modello/Tipo: **LADY** Accessori: **N/A**

Il sottoscritto Luigi Benincà, in qualità di Responsabile Legale, dichiara sotto la propria responsabilità che il prodotto sopraindicato risulta conforme alle disposizioni imposte dalle seguenti direttive:

Direttiva 2014/30/UE del Parlamento europeo e del Consiglio, del 26 febbraio 2014 , concernente l'armonizzazione delle legislazioni degli Stati membri relative alla compatibilità elettromagnetica **(EMCD)**, secondo le seguenti norme armonizzate:

EN 61000-6-2:2005, EN 61000-6-3:2007.

Direttiva 2014/35/EU DEL PARLAMENTO EUROPEO E DEL CONSIGLIO del 26 febbraio 2014 concernente l'armonizzazione delle legislazioni degli Stati membri relative alla messa a disposizione sul mercato del materiale elettrico destinato ad essere adoperato entro taluni limiti di tensione **(LVD)**, secondo le seguenti norme armonizzate:

EN 60335-1:2012 + A11:2014; EN 60335-2-103:2015.

Direttiva 2011/65/UE del Parlamento europeo e del Consiglio, dell' 8 giugno 2011 , sulla restrizione dell'uso di determinate sostanze pericolose nelle apparecchiature elettriche ed elettroniche **(RoHS)**, secondo le seguenti norme armonizzate:

EN 50581:2012

Direttiva 1999/5/CE del Parlamento europeo e del Consiglio, del 9 marzo 1999, riguardante le apparecchiature radio e le apparecchiature terminali di telecomunicazione e il reciproco riconoscimento della loro conformità (R&TTE), secondo le seguenti norme armonizzate:

ETSI EN 301 489-3 V1.4.1 (2002) + ETSI EN 301 489-1 V1.4.1 (2002) +

ETSI EN 300 220-3 V1.1.1 (2000) + EN 60950-1 (2001)

Direttiva 2006/42/CE DEL PARLAMENTO EUROPEO E DEL CONSIGLIO del 17 maggio 2006 relativa alle macchine e che modifica la direttiva 95/16/CE, rispettando i requisiti per le "quasi macchine", secondo la seguente norma: EN13241-1:2003.

• Il produttore dichiara, inoltre, che la documentazione tecnica pertinente è stata compilata in conformità all'allegato VII B della direttiva 2006/42/CE e che sono stati rispettati i seguenti requisiti essenziali:

1.1.1 - 1.1.2 - 1.1.3 - 1.1.5 - 1.2.1 - 1.2.3 - 1.2.6 - 1.3.1 - 1.3.2 - 1.3.3 - 1.3.4 - 1.3.7 - 1.3.9 - 1.5.1 - 1.5.2 - 1.5.4 - 1.5.5 - 1.5.6 - 1.5.7 - 1.5.8 - 1.5.10 - 1.5.11 - 1.5.13 - 1.6.1 - 1.6.2 - 1.6.4 - 1.7.2 - 1.7.4 - 1.7.4.1 - 1.7.4.2 - 1.7.4.3.

• Il produttore si impegna a trasmettere alle autorità nazionali, in risposta ad una motivata richiesta, le informazioni pertinenti sulla "quasi macchina". L'impegno comprende le modalità di trasmissione e lascia impregiudicati i diritti di proprietà intellettuale del fabbricante della "quasi macchina".

• Si comunica che la "quasi macchina" non deve essere messa in servizio finché la macchina finale in cui deve essere incorporata non è stata dichiarata conforme, se del caso, alle disposizioni della direttiva 2006/42/CE.

• Inoltre il prodotto, limitatamente alle parti applicabili, risulta conforme alle seguenti norme:

EN 12445:2002, EN 12453:2002, EN 12978:2003.

Benincà Luigi, Responsabile legale.
Sandrigo, 23/11/2016.

Il Certificato di Conformità di questo documento corrisponde all'ultima revisione disponibile al momento della stampa e può risultare differente per esigenze editoriali dall'originale disponibile presso il produttore.

Il Certificato di Conformità più completo e recente è disponibile consultando il sito: www.beninca.com oppure può essere richiesto presso:
Automatismi Benincà S.p.A - Sandrigo VI - Italy.

EC Declaration of Conformity

Directive 2004/108/EC(EMC); 2006/95/EC (LVD)Manufacturer's name: **Automatismi Benincà SpA**
Address: **Via Capitello, 45 - 36066 Sandrigo (VI) - Italia**
Telephone: **+39 0444 751030**
Email address: **sales@beninca.it**
Person authorised to draft the technical documentation: **Automatismi Benincà SpA**
Product type: **operator for road gates**
Model/type: **LADY** Accessories: **N/A**

The undersigned Luigi Benincà, as the Legal Officer, declares under his liability that the aforementioned product complies with the provisions established by the following directives:

Directive 2014/30/UE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 26 February 2014, on the harmonisation of the laws of Member States relating to electromagnetic compatibility, according to the following harmonised regulations:

EN 61000-6-2:2005, EN 61000-6-3:2007 + A1:2011.

Directive 2014/35/UE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 26 February 2014, on the harmonisation of the laws of Member States relating to electrical equipment designed for use with certain voltage limits, according to the following harmonised regulations:

EN 60335-1:2012 + A11:2014; EN 60335-2-103:2015.

Directive 2011/65/EU of the European Parliament and Council, dated 8 June 2011, on the restricted use of certain hazardous substances in electrical and electronic devices **(RoHS)**, according to the following standards:

EN 50581:2012

Directive 1999/5/CE OF THE EUROPEAN PARLIAMENT AND COUNCIL, 9 March 1999 in relation to radio equipment and telecommunications terminals and the mutual recognition of their conformity, per the following harmonised standards:

ETSI EN 301 489-3 V1.4.1 (2002) + ETSI EN 301 489-1 V1.4.1 (2002) +

ETSI EN 300 220-3 V1.1.1 (2000) + EN 60950-1 (2001)

Directive 2006/42/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 17 May 2006, on machinery, which amends Directive 95/16/EC, and complies with the requisites for the "partly completed machinery (almost machinery)" set forth in the EN13241-1:2003 regulation.

• The manufacturer declares that the pertaining technical documentation has been drawn up in compliance with Attachment VII B of the 2006/42/ EC Directive and that the following requirements have been complied with:

1.1.1 - 1.1.2 - 1.1.3 - 1.1.5 - 1.2.1 - 1.2.3 - 1.2.6 - 1.3.1 - 1.3.2 - 1.3.3 - 1.3.4 - 1.3.7 - 1.3.9 - 1.5.1 - 1.5.2 - 1.5.4 - 1.5.5 - 1.5.6 - 1.5.7 - 1.5.8 - 1.5.10 - 1.5.11 - 1.5.13 - 1.6.1 - 1.6.2 - 1.6.4 - 1.7.2 - 1.7.4 - 1.7.4.1 - 1.7.4.2 - 1.7.4.3.

• The manufacturer undertakes that information on the "partly completed machinery" will be sent to domestic authorities. Transmission ways are also included in the undertaking, and the Manufacturer's intellectual property rights of the "almost machinery" are respected.

• It is highlighted that commissioning of the "partly completed machinery" shall not be provided until the final machinery, in which it should be incorporated, is declared compliant, if applicable, with provisions set forth in the Directive 2006/42/EC on Machinery.

• Moreover, the product, as applicable, is compliant with the following regulations:

EN 12445:2002, EN 12453:2002, EN 12978:2003

Benincà Luigi, Legal Officer.
Sandrigo, 23/11/2016.

The certificate of conformity in this document corresponds to the last review available at the time of printing and could differ for editorial requirements from the original available from the manufacturer.

The most recent and complete certificate of conformity is available consulting the site: www.beninca.com or can be requested from:
Automatismi Benincà SpA - Sandrigo VI - ITALY.

EG-Konformitätserklärung

Name des Herstellers: **Automatismi Benincà SpA**
Adresse: **Via Capitello, 45 - 36066 Sandrigo (VI) - Italia**
Telefon: **+39 0444 751030**
E-Mail-Adresse: **sales@beninca.it**
Zur Erstellung der technischen Dokumentation berechtigte Person: **Automatismi Benincà SpA**
Produkttypus: **Wir erklären, dass: Antriebe für Straßensperren** Modell/Typus: **LADY** Zubehör: **N/A**

Der Unterzeichnete Luigi Benincà, in seiner Eigenschaft als Rechtsvertreter, erklärt eigenverantwortlich, dass das oben angegebene Produkt den durch die folgenden Richtlinien vorgegebene Bestimmungen entspricht:

Richtlinie 2014/30/UE DES EUROPÄISCHEN PARLAMENTS UND DES RATES vom 26. Februar 2014 zur Angleichung der Rechtsvorschriften der Mitgliedstaaten über die elektromagnetische Verträglichkeit, gemäß nachstehenden Normen:
EN 61000-6-2:2005, EN 61000-6-3:2007 + A1:2011.

Richtlinie 2014/35/UE DES EUROPÄISCHEN PARLAMENTS UND DES RATES vom 26. Februar 2014 zur Angleichung der Rechtsvorschriften der Mitgliedstaaten betreffend elektrische Betriebsmittel zur Verwendung innerhalb bestimmter Spannungsgrenzen, gemäß nachstehenden Normen:
EN 60335-1:2012 + A11:2014; EN 60335-2-103:2015.

Richtlinie 2011/65/EU des Europäischen Parlaments und des Rates vom 8. Juni 2011 zur Beschränkung der Verwendung bestimmter gefährlicher Stoffe in Elektro- und Elektronikgeräten **(RoHS)**, gemäß den folgenden harmonisierten Normen:
EN 50581:2012

Richtlinie 1999/5/CE DES EUROPÄISCHEN PARLAMENTS UND EUROPARATS vom 9. März 1999 in Bezug auf Funkapparate und Telekommunikations-Endgeräte und die gegenseitige Anerkennung ihrer Konformität entsprechend den folgendenharmonisierten Normen:
ETSI EN 301 489-3 V1.4.1 (2002) + ETSI EN 301 489-1 V1.4.1 (2002) +
ETSI EN 300 220-3 V1.1.1 (2000) + EN 60950-1 (2001)

Richtlinie 2006/42/EG DES EUROPÄISCHEN PARLAMENTS UND DES RATES vom 17. Mai 2006 über Maschinen, zur Aufhebung der Richtlinie 95/16/EG, gemäß Anforderungen für „unvollständige Maschinen" und nachstehender Norm:
EN13241-1:2003.

• Der Hersteller erklärt, dass die technischen Unterlagen gemäß Anhang VII Teil B der Richtlinie 2006/42/EG erstellt wurden und dass das Produkt folgenden Anforderungen entspricht:

1.1.1 - 1.1.2 - 1.1.3 - 1.1.5 - 1.2.1 - 1.2.3 - 1.2.6 - 1.3.1 - 1.3.2 - 1.3.3 - 1.3.4 - 1.3.7 - 1.3.9 - 1.5.1 - 1.5.2 - 1.5.4 - 1.5.5 - 1.5.6 - 1.5.7 - 1.5.8 - 1.5.10 - 1.5.11 - 1.5.13 - 1.6.1 - 1.6.2 - 1.6.4 - 1.7.2 - 1.7.4 - 1.7.4.1 - 1.7.4.2 - 1.7.4.3.

• Der Hersteller verpflichtet sich die Informationen zu der „unvollständigen Maschine" einzelstaatlichen Stellen auf begründetes Verlangen zu übermitteln. Durch die Übermittlung bleibt das intellektuelle Eigentum des Herstellers der „unvollständigen Maschine" unberührt.

• Diese „unvollständige Maschine" darf erst dann in Betrieb genommen werden, wenn gegebenenfalls festgestellt wurde, dass die Maschine, in die die unvollständige Maschine eingebaut werden soll, den Bestimmungen der Maschinenrichtlinie 2006/42/EG entspricht.

• Das Produkt entspricht außerdem, falls zutreffend, folgenden Normen:

EN 12445:2002, EN 12453:2002, EN 12978:2003.

Benincà Luigi, Rechtsvertreter.
Sandrigo, 23/09/2016.

Die in diesem Dokument vorliegende Konformitätserklärung entspricht der neuesten zum Druckzeitpunkt erhältlichen Revision und könnte aufgrund von verlegerischen Gründen vom beim Hersteller erhältlichen Original abweichen.

Die neueste und vollständigste Konformitätserklärung ist auf der Internetseite: www.beninca.com erhältlich oder kann bei folgender Adresse angefordert werden: Automatismi Benincà SpA - Sandrigo VI - ITALY.

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