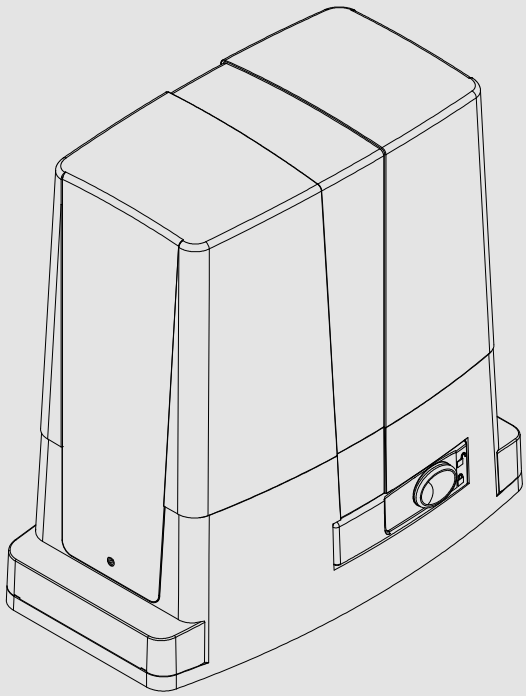
L854200291
05/2023 rev 2

IT
EN
DE
FR
ES
PL

BULL 624 TURBO

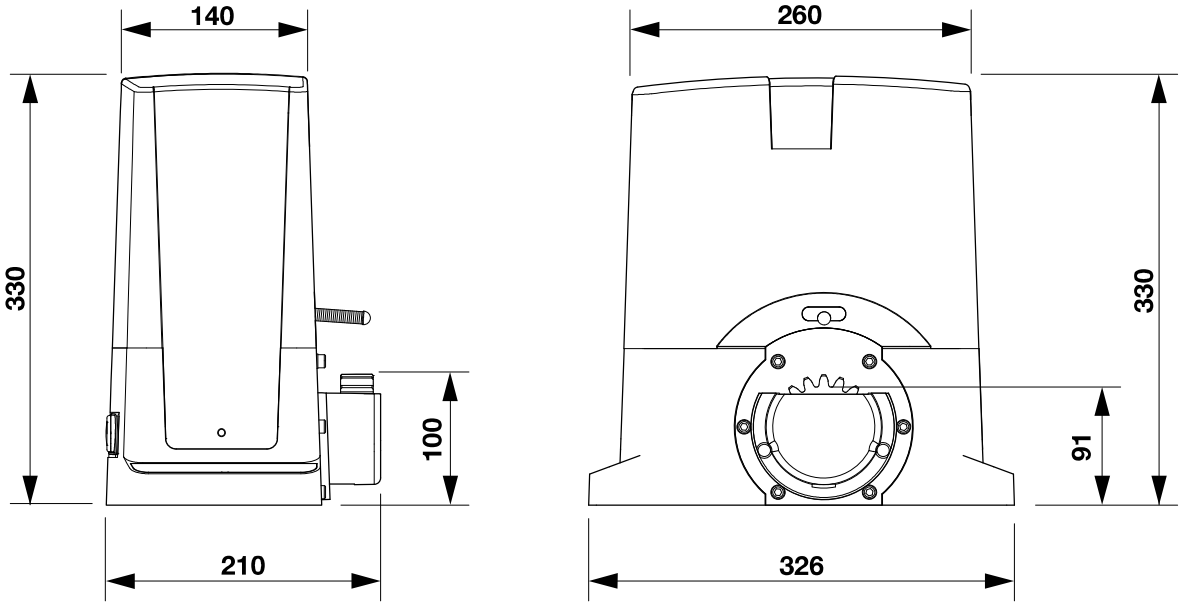


Manuale di installazione, uso e manutenzione
Installation, User and Maintenance Manual
Handbuch für Installation, Betrieb und Wartung
Manuel d'installation, d'utilisation et d'entretien
Manual de instalación, uso y mantenimient
Instrukcja instalacji, obsługi i konserwacji o

BENINCA®
TECHNOLOGY TO OPEN

UNIONE NAZIONALE COSTRUTTORI
AUTOMATISMI PER CANCELLI, PORTE
SERRANDE ED AFFINI

1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100
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326

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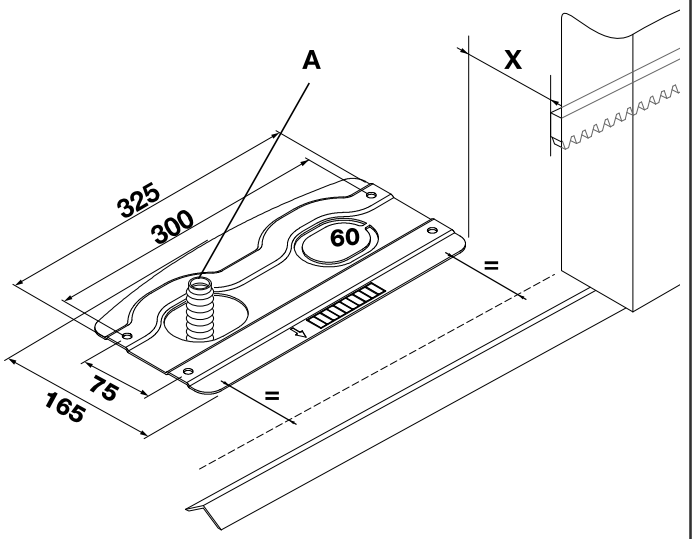
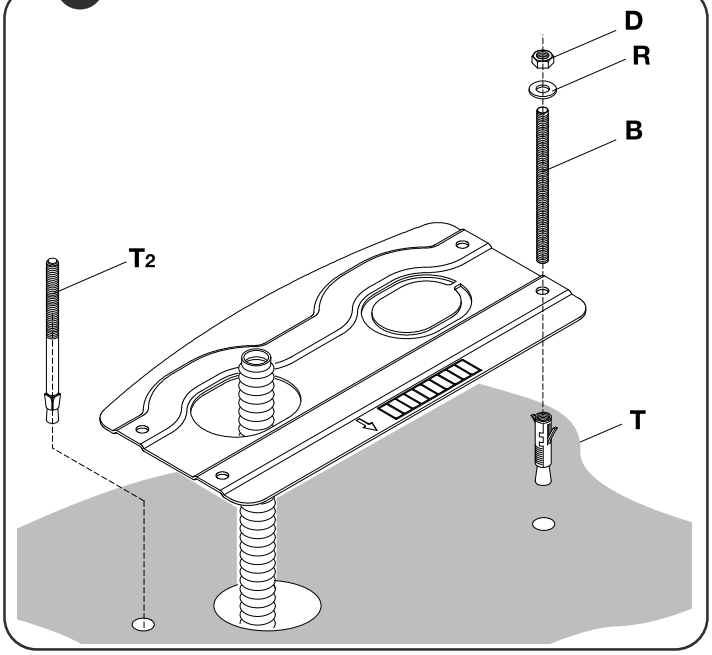
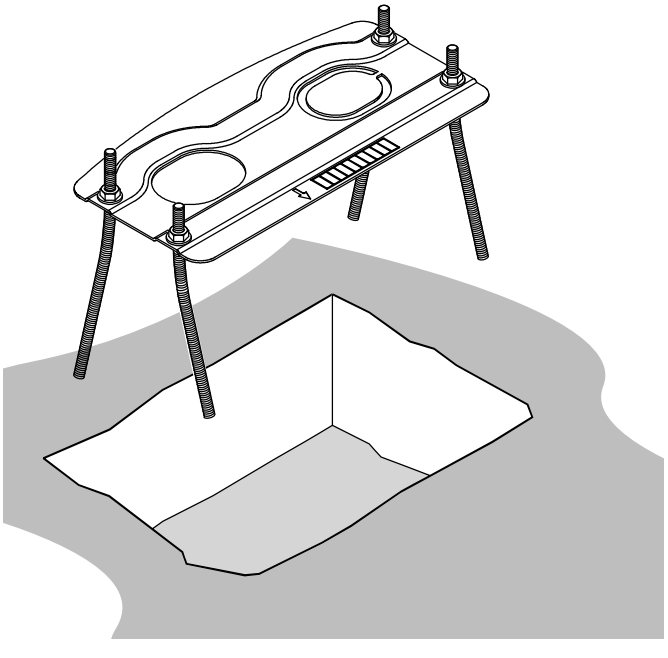

A
X
325
300
60
=
75
165
=

3


D
R
B
T2
T

4



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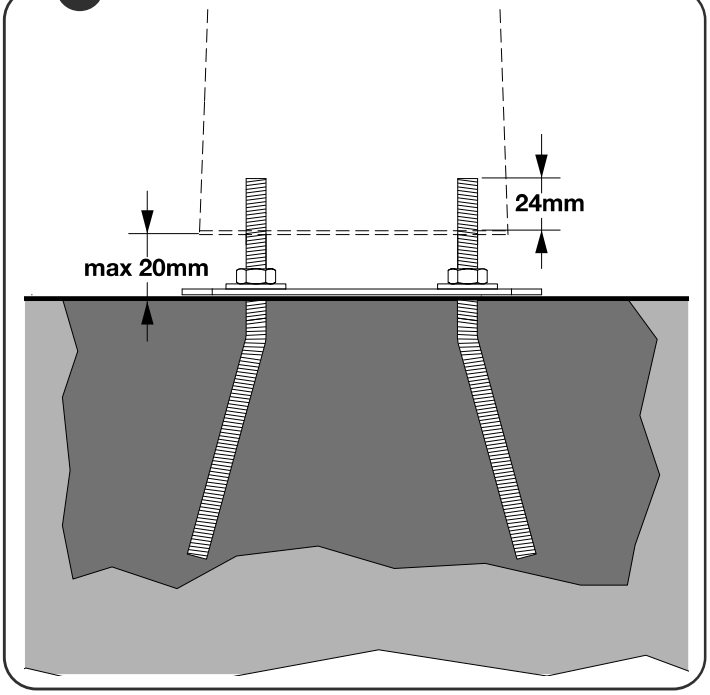
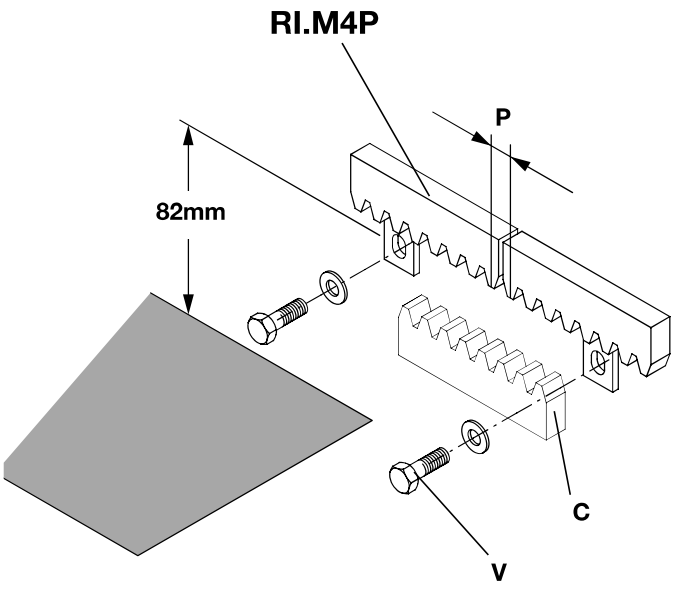
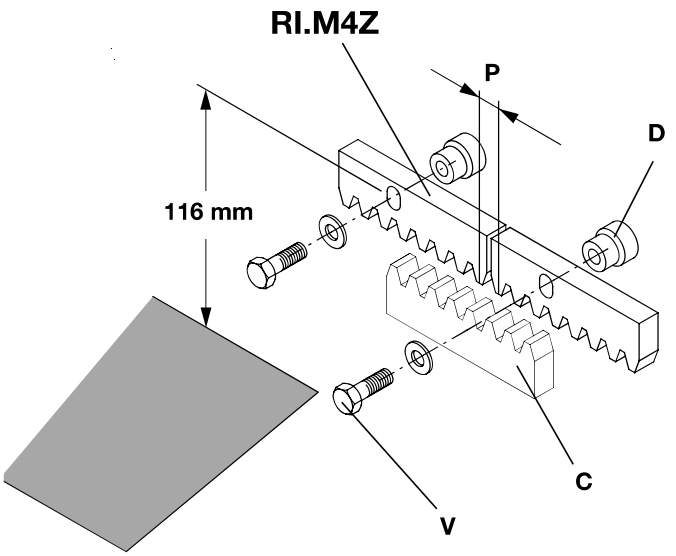

24mm
max 20mm

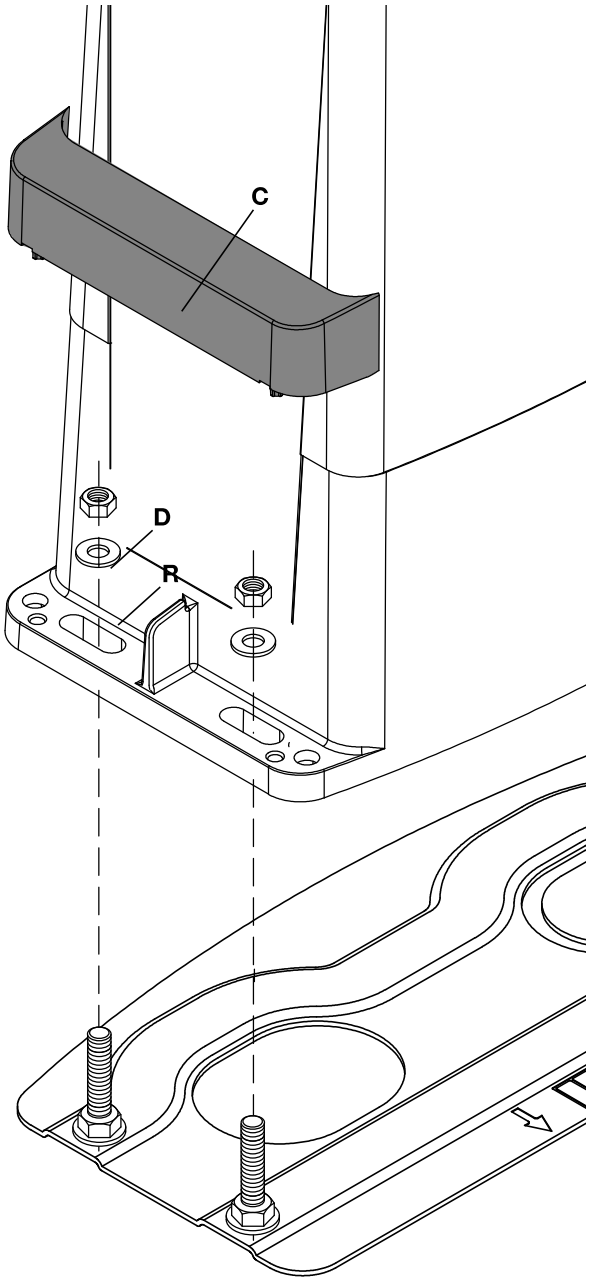
6


RI.M4P
P
82mm
C
V

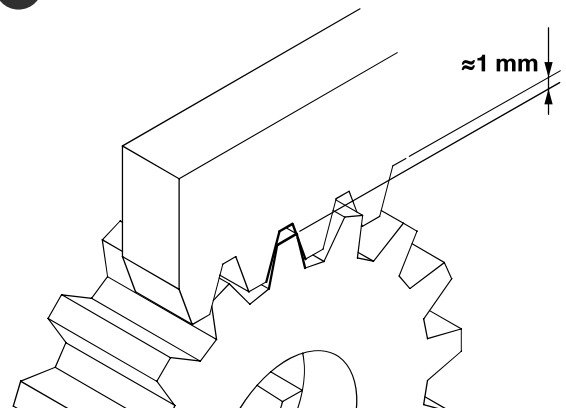
7


RI.M4Z
P
D
116 mm
C
V

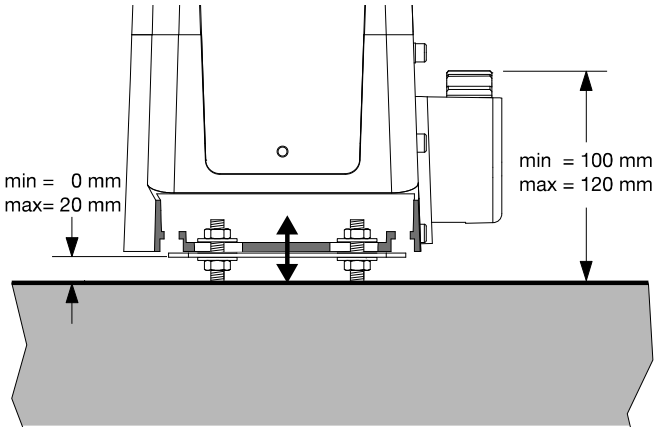
9


C
D
R

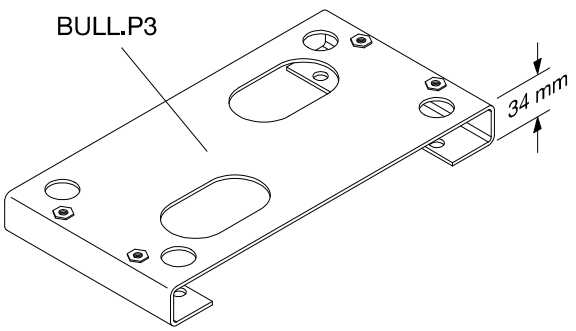
8


≈1 mm

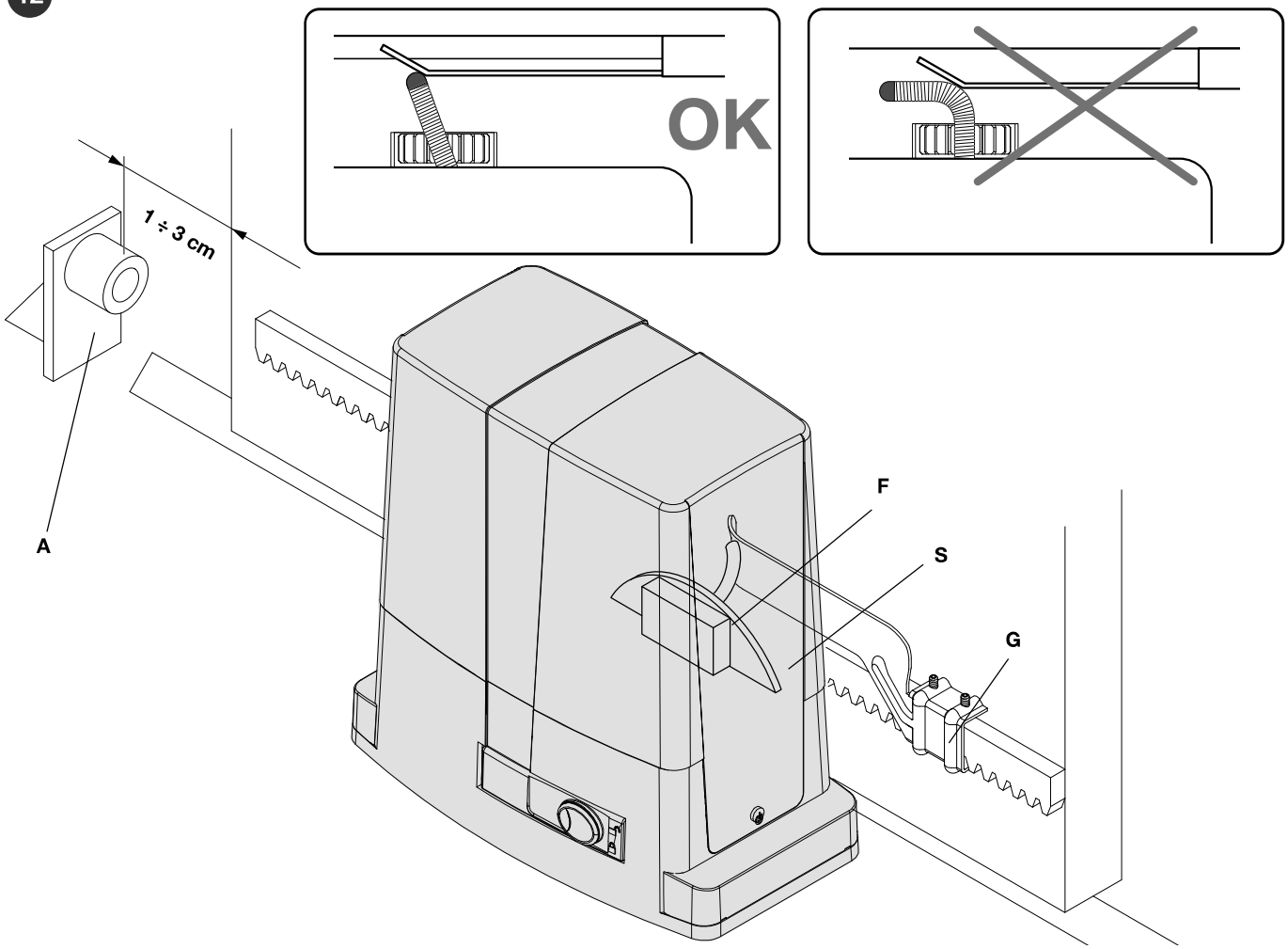
10


min = 0 mm
max= 20 mm
min = 100 mm
max = 120 mm

11


BULL.P3
34 mm

12



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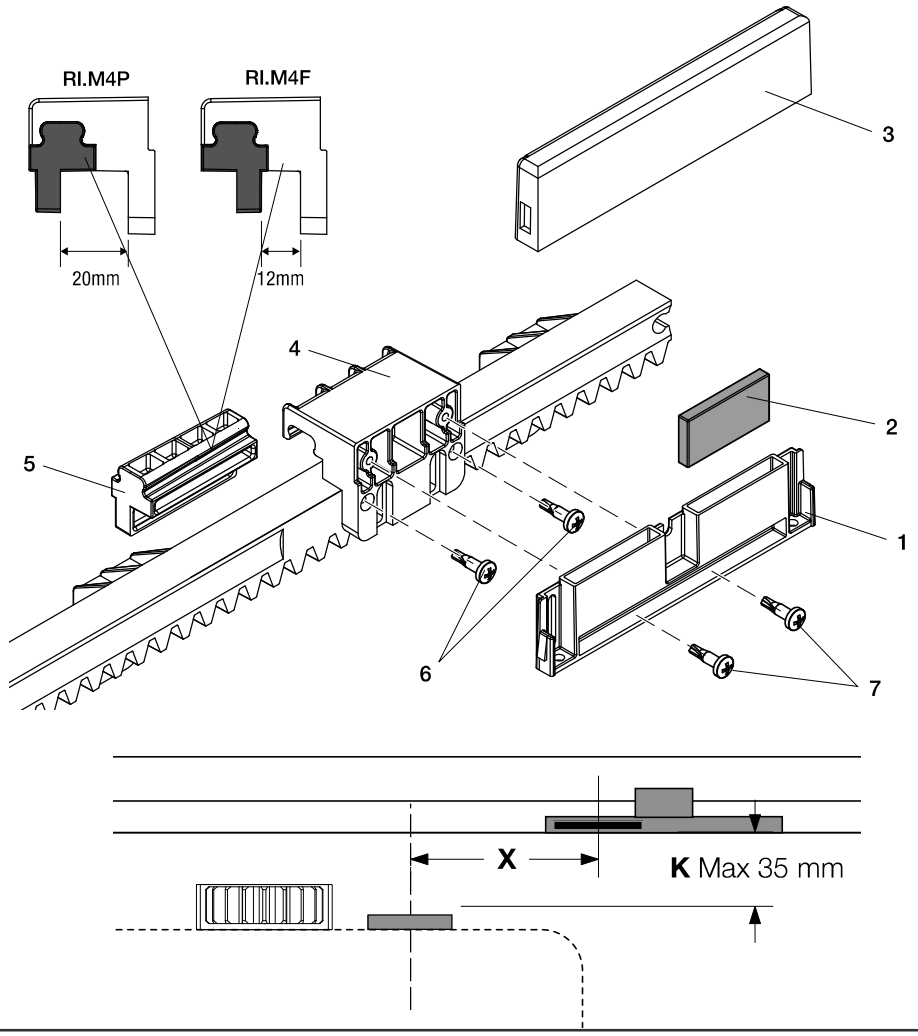

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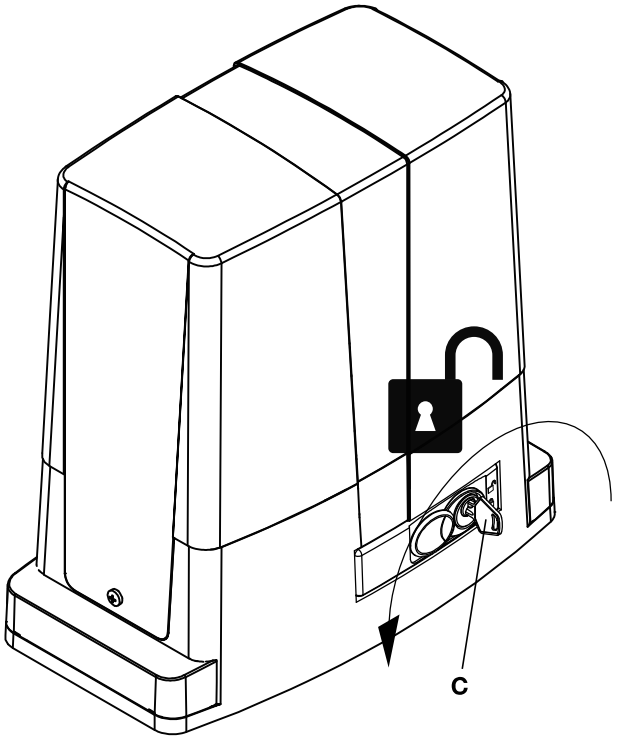

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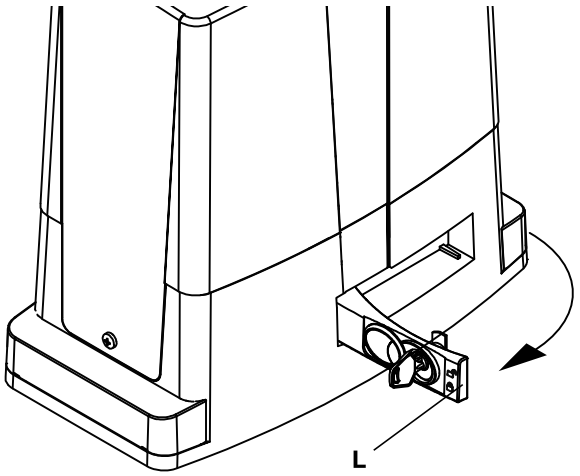

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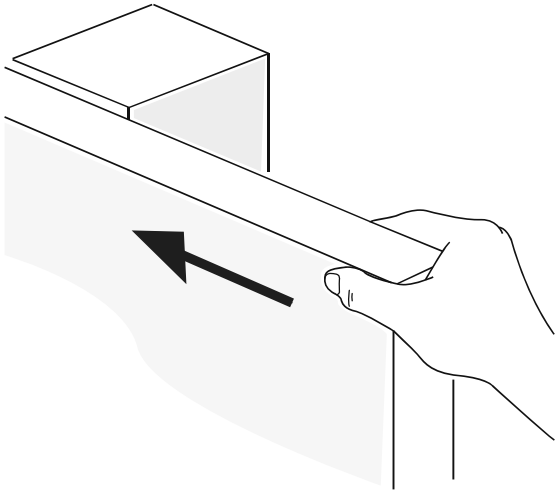

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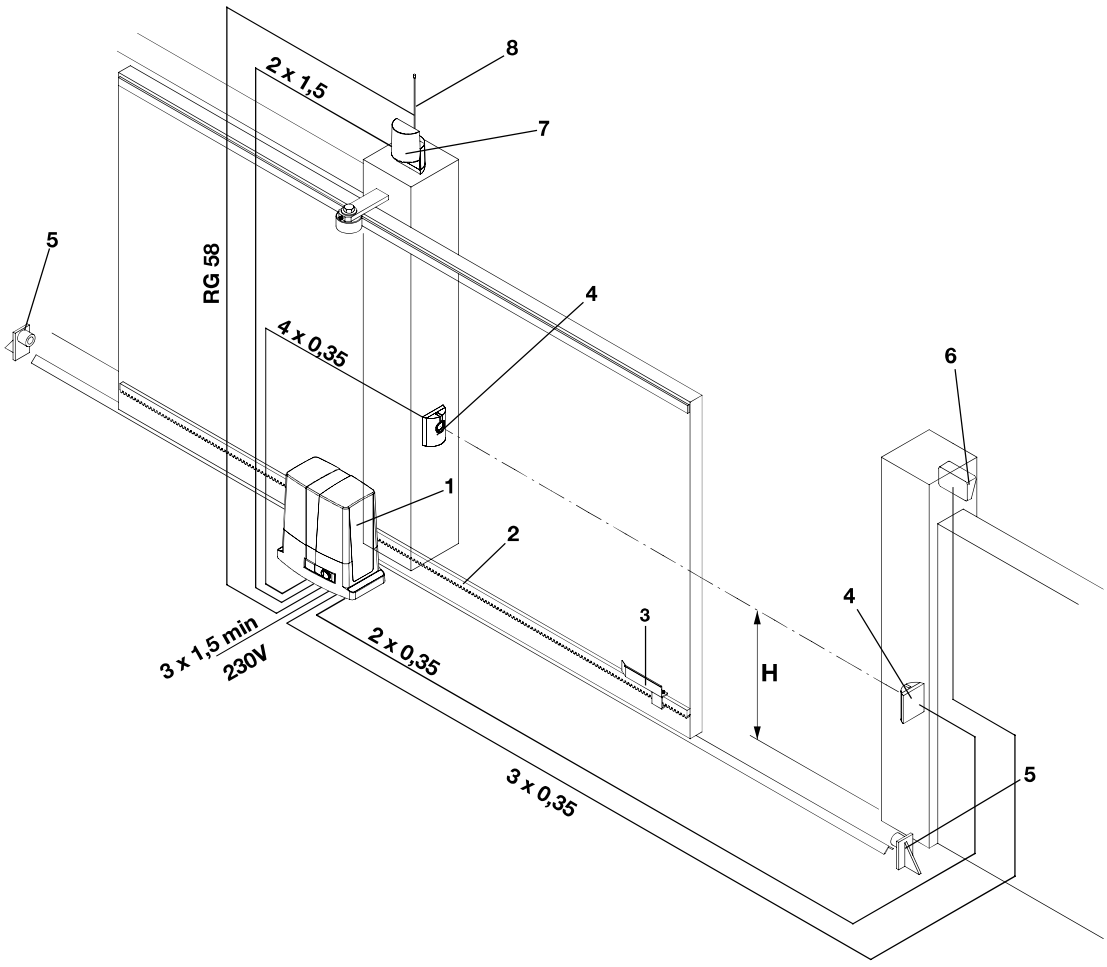
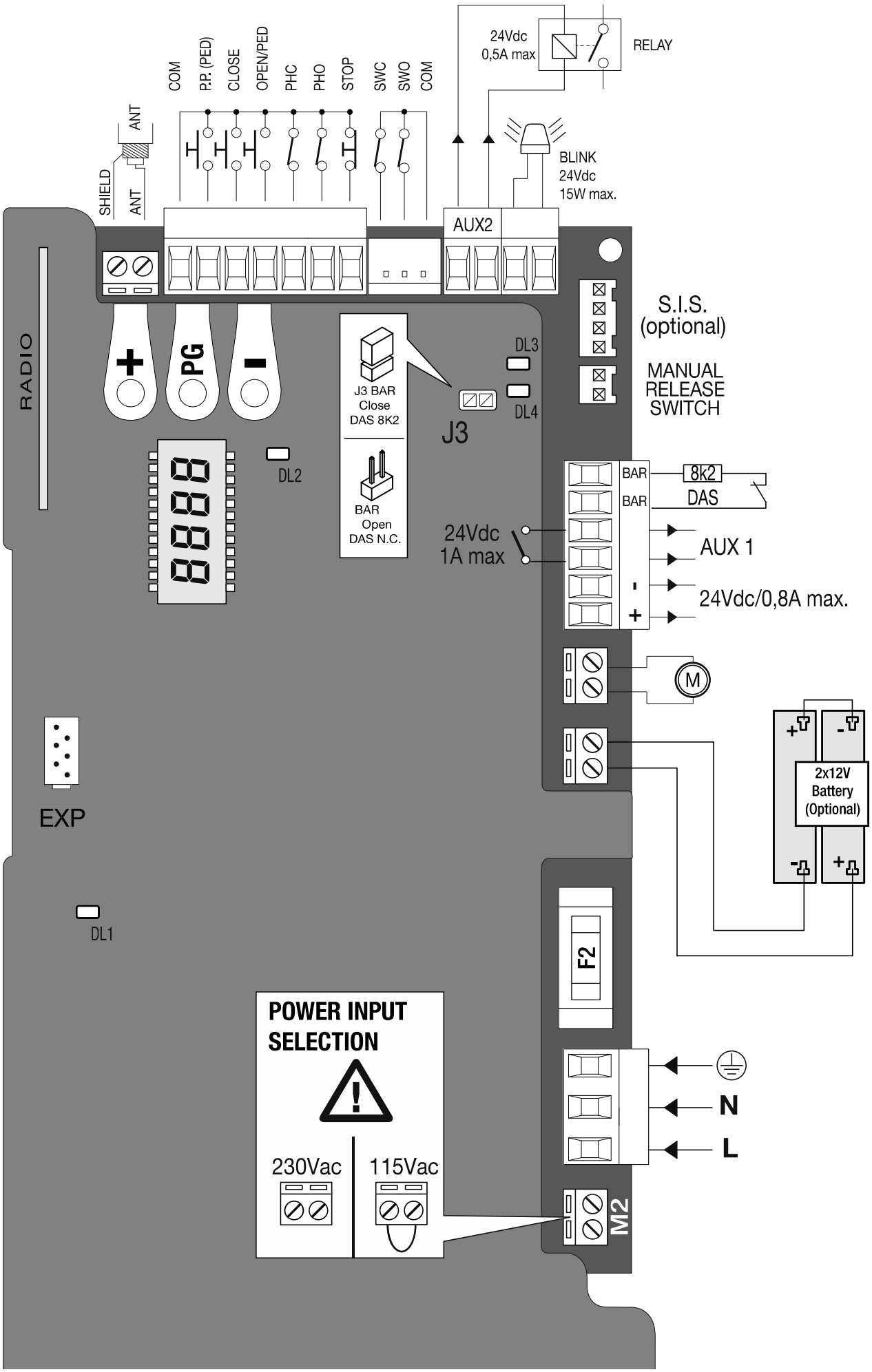
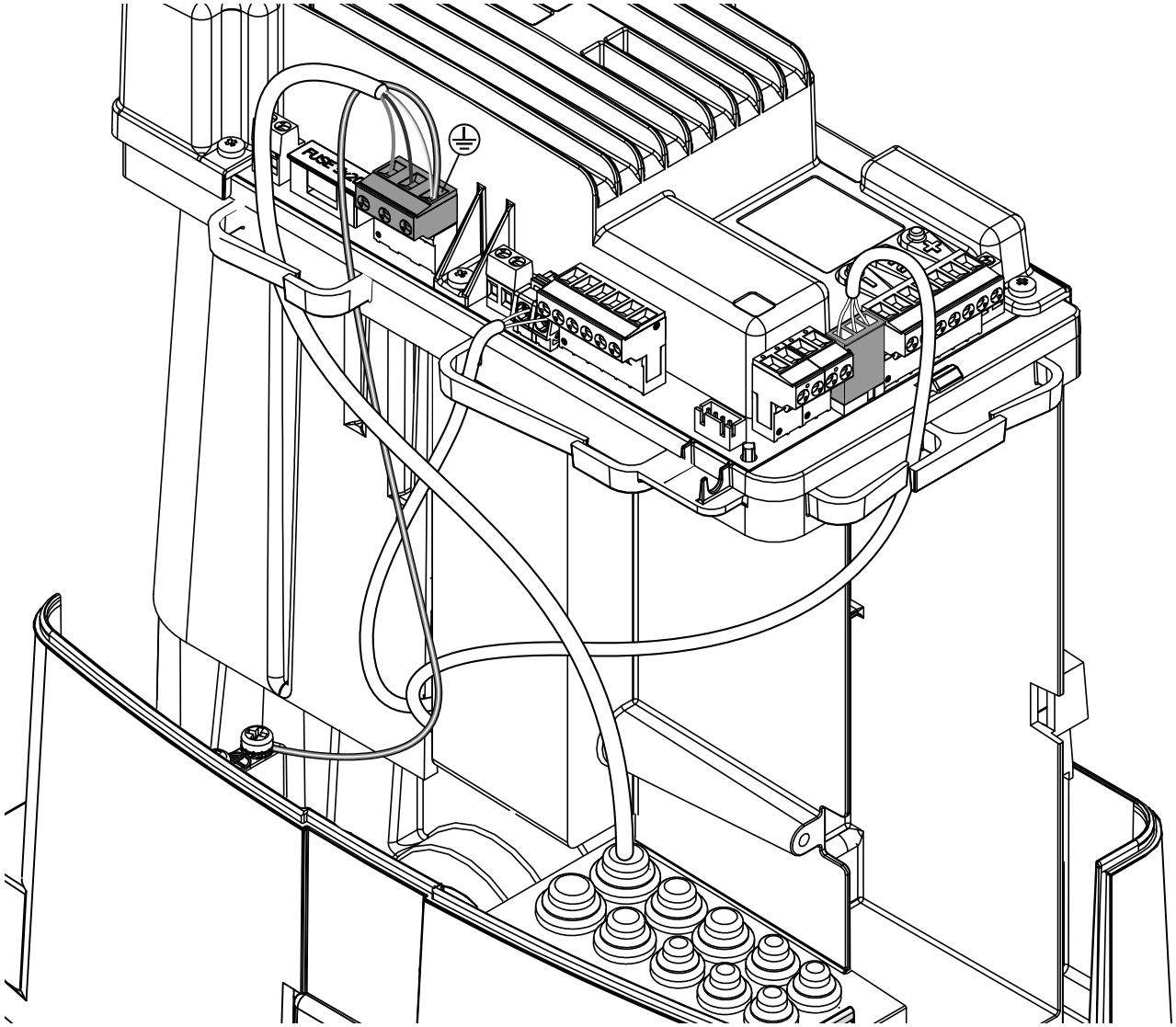



COM
P.P. (PED)
CLOSE
OPEN/PED
PHC
PHO
STOP
SWC
SWO
COM
ANT
SHIELD
ANT
24Vdc
0,5A max
RELAY
BLINK
24Vdc
15W max.
AUX2
RADIO
PG
J3 BAR
Close
DAS 8K2
BAR
Open
DAS N.C.
J3
DL3
DL4
DL2
DL1
EXP
S.I.S.
(optional)
MANUAL
RELEASE
SWITCH
BAR
BAR
8k2
DAS
24Vdc
1A max
AUX 1
24Vdc/0,8A max.
M
2x12V
Battery
(Optional)
F2
POWER INPUT
SELECTION
230Vac
115Vac
N
L
M2

18



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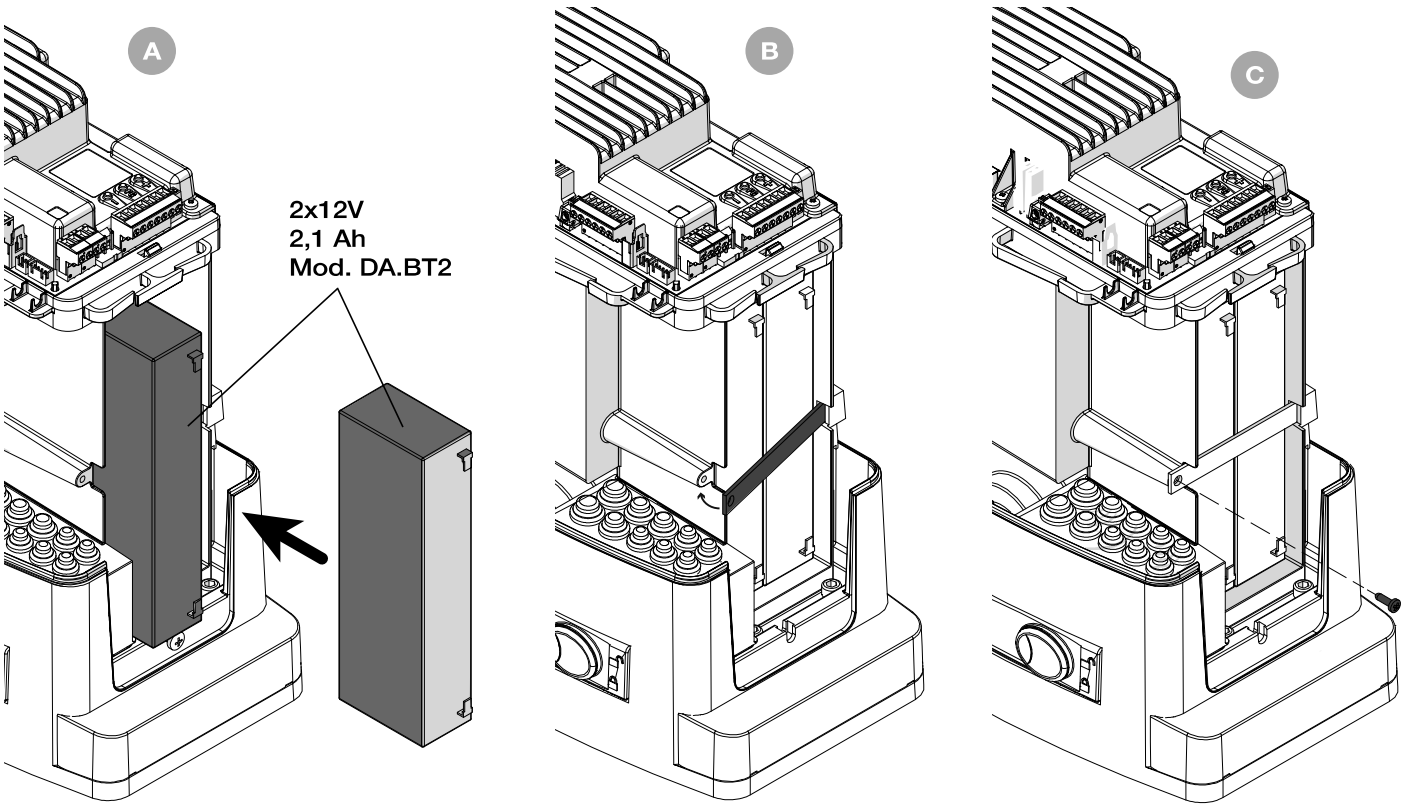

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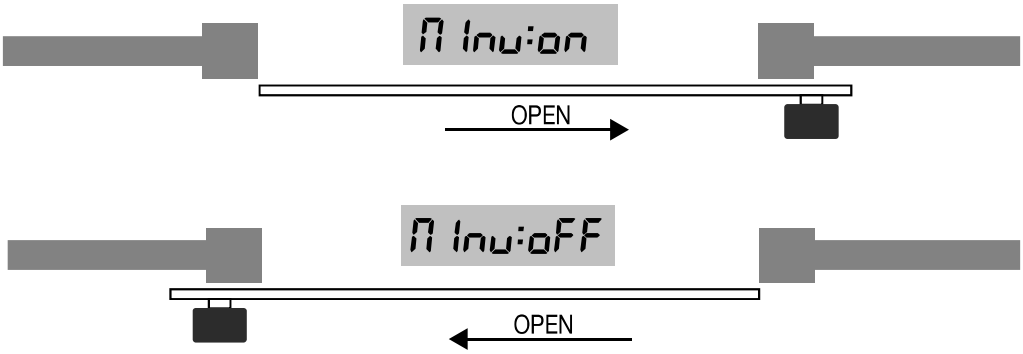
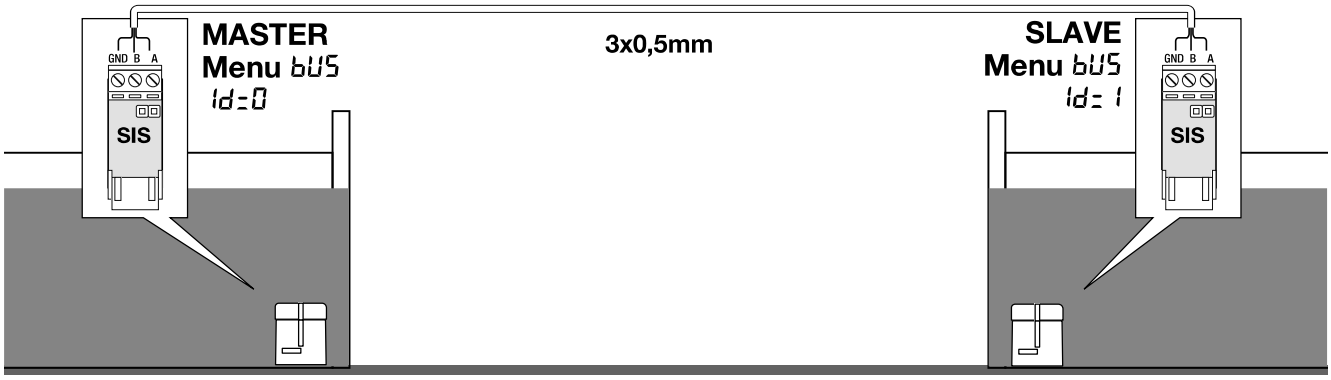
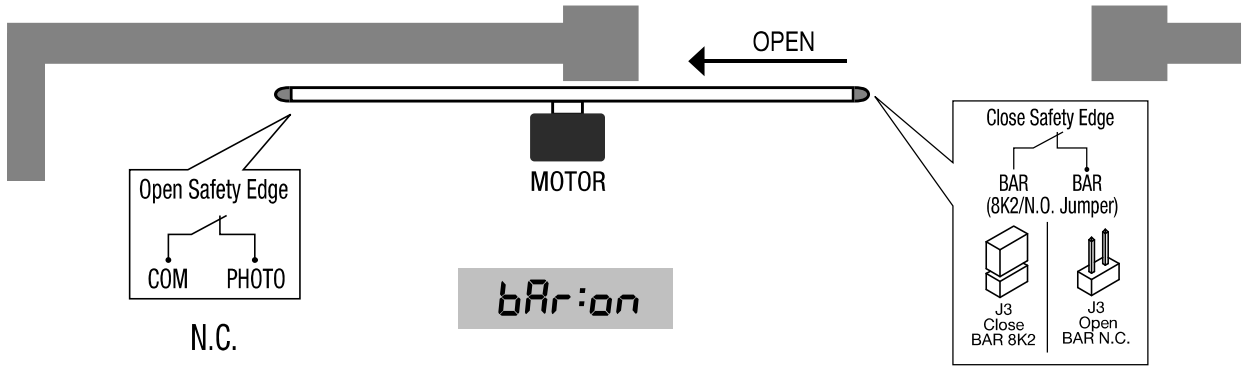
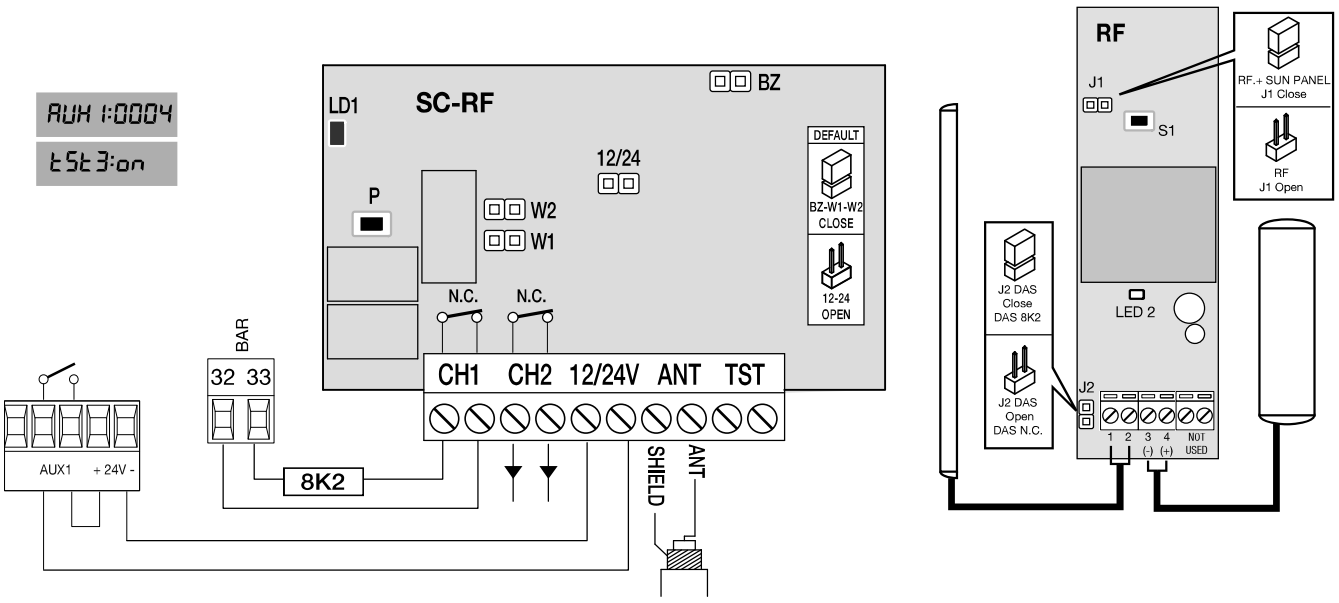

OPEN
OPEN

21


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

22

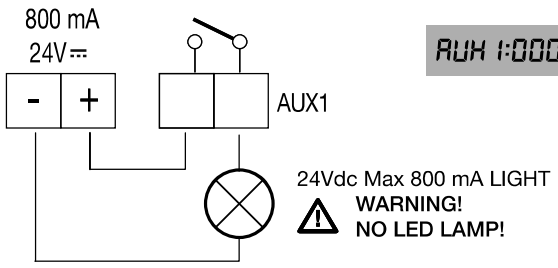

OPEN
MOTOR
Open Safety Edge
COM PHOTO
N.C.
bAr:on
Close Safety Edge
BAR BAR
(8K2/N.O. Jumper)
J3
Close
BAR 8K2
J3
Open
BAR N.C.


AUX 1:0004
tSt 3:on
LD1
SC-RF
BZ
DEFAULT
BZ-W1-W2
CLOSE
12-24
OPEN
12/24
P
W2
W1
N.C.
N.C.
BAR
32 33
CH1 CH2 12/24V ANT TST
AUX1 + 24V -
8K2
SHIELD
ANT
RF
J1
S1
RF.+ SUN PANEL
J1 Close
RF
J1 Open
J2 DAS
Close
DAS 8K2
J2 DAS
Open
DAS N.C.
LED 2
J2
1 2 3 4
(-) (+)
NOT
USED

23

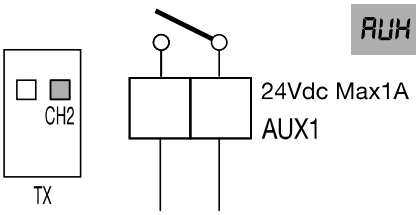
AUX 1

SCA



AUX 1:0000

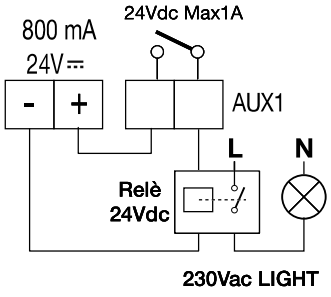
II° CH RADIO



AUX 1:0001

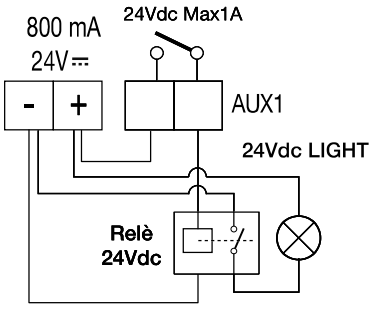
SERVICE LIGHT

ZONE LIGHT

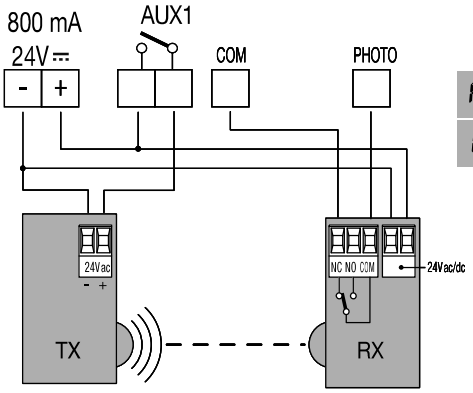


AUX 1:0002

AUX 1:0003



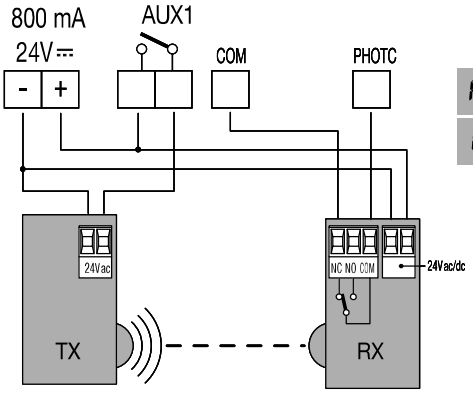
PHOTOTEST - PHOT OP



AUX 1:0004

tSt 1:on

PHOTOTEST - PHOT CL



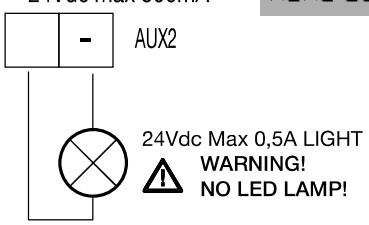
AUX 1:0004

tSt2:on

24

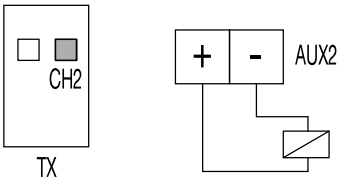
AUX 2

SCA



AUX2:0000

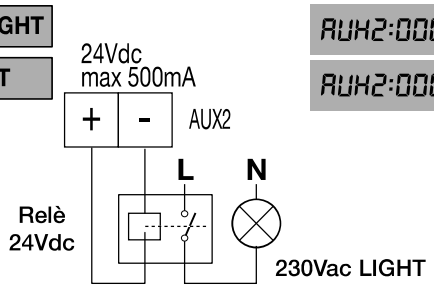
II° CH RADIO



AUX2:0001

SERVICE LIGHT

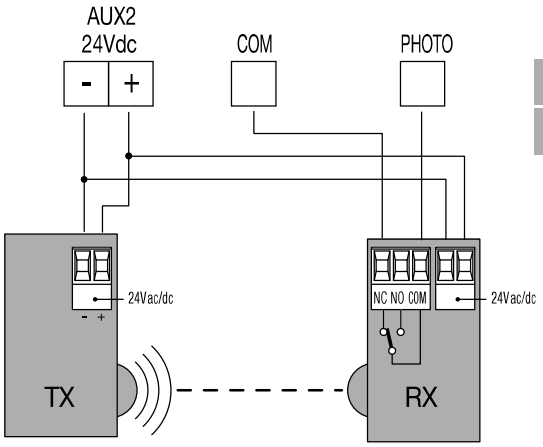
ZONE LIGHT



AUX2:0002

AUX2:0003

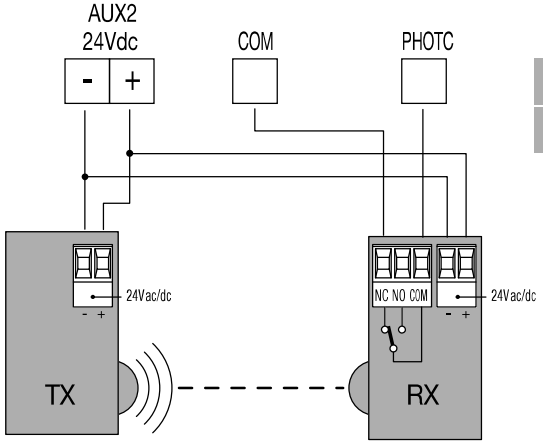
PHOTOTEST PHO



AUX2:0004

tSt 1:on

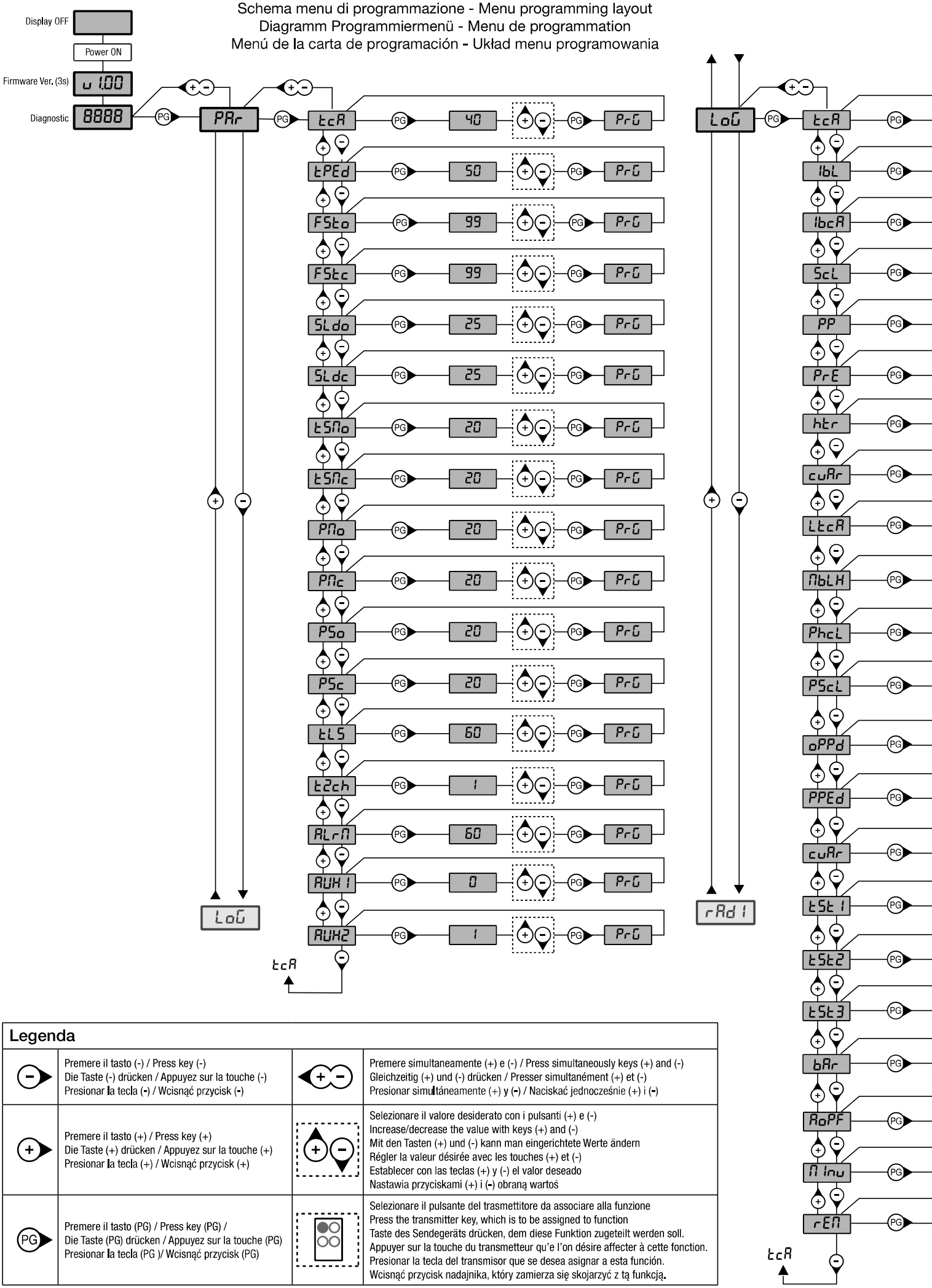
PHOTOTEST PHC



AUX2:0004

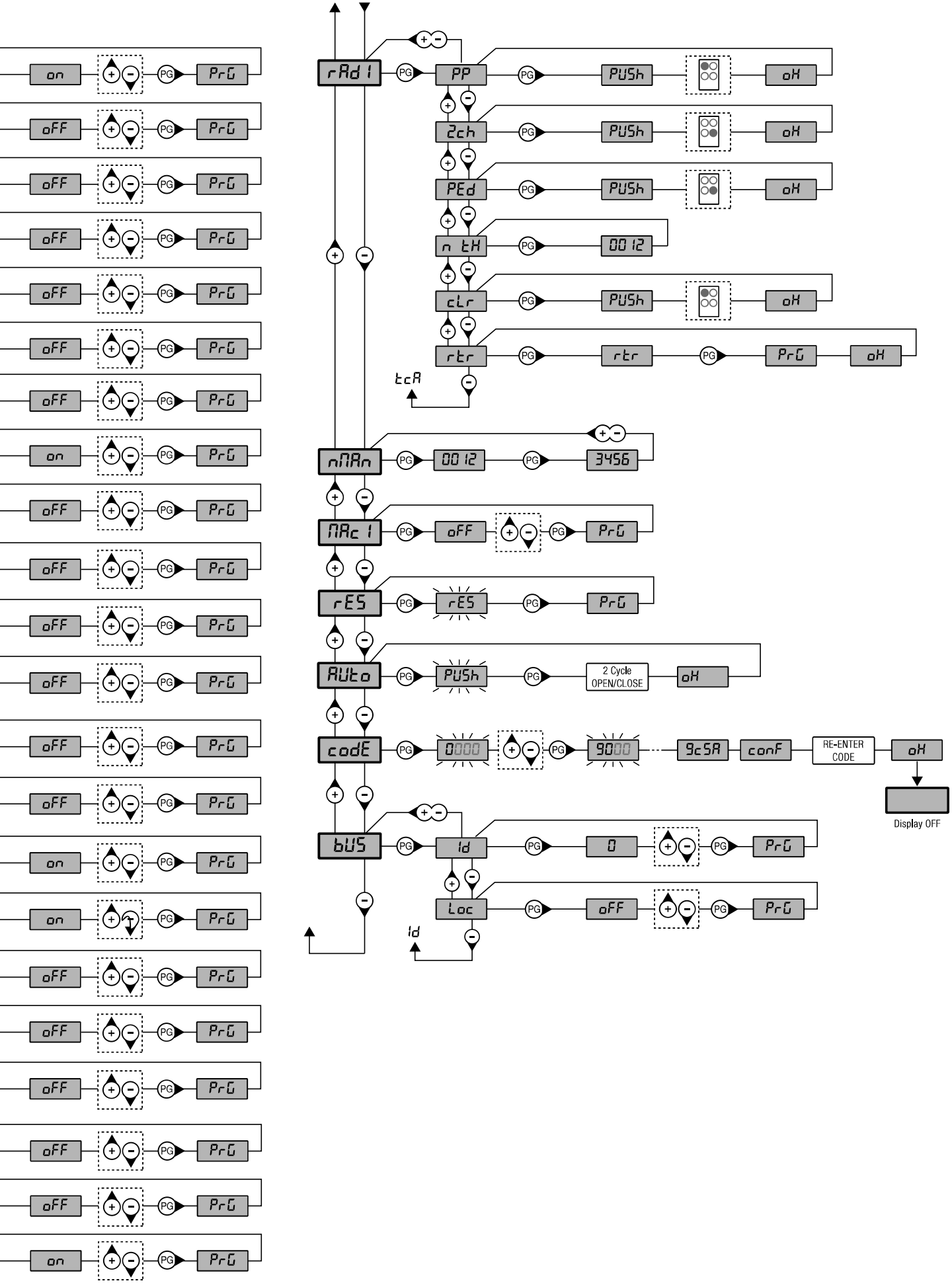
tSt2:on

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 simultaneamente (+) e (-) / Press simultaneously keys (+) and (-) Gleichzeitig (+) und (-) drücken / Presser simultanément (+) et (-) Presionar simultáneamente (+) y (-) / Naciskać jednocześnie (+) i (-)
+	Premere il tasto (+) / Press key (+) Die Taste (+) drücken / Appuyez sur la touche (+) Presionar la tecla (+) / Wcisnąć przycisk (+)	+ −	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
PG	Premere il tasto (PG) / Press key (PG) / Die Taste (PG) drücken / Appuyez sur la touche (PG) Presionar la tecla (PG)/ Wcisnąć przycisk (PG)		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.


on
oFF
PrG
rAd 1
PP
PUSh
oH
2ch
PEd
n tH
0012
clr
rtr
tcA
nMAn
3456
MAc 1
rES
AUto
2 Cycle
OPEN/CLOSE
codE
0000
9000
9cSA
conF
RE-ENTER
CODE
Display OFF
bUS
Id
0
Loc

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EN

ENG

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 . 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

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.

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

NOTE: Quick programming conditions:

- Receiver memory with less than 99 stored transmitters
- Autoset never run previously.
- Only valid with ARC (Advanced Rolling Code) transmitters

If you make a mistake during the quick programming procedure, you can disconnect the power supply and restart the procedure.

Quick programming steps

1 - Unlock the gate manually, put it in closed position with the relative end stop enabled, and lock the gate.

2 - Supply mains voltage.

3 - The flashing light turns on (make sure it is connected).

4 - The system starts saving the transmitters automatically and the control unit is put on hold, waiting for a transmitter.

To skip the quick programming step and proceed with manual programming press + and - (ESC) simultaneously.

5 - On display starts flashing the message tH00.

6 - Press the hidden key of the transmitter to be saved.

7 - PUSh appears on the display.

8 - Press the key you want to associate with the receiver.

9 - TX01 appears on the display (if the second transmitter tH02 is present).

10 - Repeat steps 6 and 7 for the subsequent transmitters to store, up to 99, checking the increase on the display (example tH 15).

11 - To go to the next autoset step, press the key of a previously memorised transmitter until AUto appears on the display.

12 - The message AUto appears on display and the gate automatically performs 3 manoeuvres by calculating the optimal operating parameters. If the autoset operation has been completed successfully, the gate stops in open position and the message oH appears on display.

The maximum time for programming the first transmitter is 60 seconds.

If necessary, proceed with the manual setup of PARAMETERS and LOGIC, depending on the type of installation.

ARC CONTROL UNIT

IMPORTANT, PLEASE READ CAREFULLY:

The radio receiver in this product is compatible only with the new ARC (Advanced Rolling Code) transmitters which, thanks to 128-bit encryption ensure superior copy-security.
Storing new ARC transmitters is quite similar to that of normal rolling code transmitters with HCS coding

1) DESCRIPTION AND INTENDED USE

Gear motor 24Vdc for heavy-duty sliding gates up to 600 Kg for residential or industrial buildings, with built-in controller CP.B1524

We would like to remind you that if you register on the site www.beninca.com you will have access to the technical documentation updated for all the Beninca products and accessories and the guide for compiling the technical file and documents required under Annex V of the Machinery Directive, mandatory under the regulations in force..

2) SPECIFICATIONS

	BULL 624 TURBO
Motor power supply	**115 o 230 Vac 50/60Hz**
Consumption	**3 A**
Thrust	**12 Nm**
Operating jogging	**Intensive use**
Protection level	**IP44**
Operating temperature	**-20°C / +50°C**
Gate max. weight	**600 kg**
Rack module	**M4**
Opening speed	**25 m/min**
Noise level	**<70 dB**
Lubrication	**Grease**
N° of storable TX	**512 ARC**
Central control	**CP.B24TURBO**
Weight	**15,7 kg**

3) PRELIMINARY CHECKS

Before proceeding with installation, check the following:
- The structure (gate, pillar, guide rail) must be sturdy and stable.
- The guide rail and its wheels must be suitably sized and maintained to avoid excess friction during gate sliding.
- If available, check the CE declaration of conformity of the gate and perform the risk analysis according to the machinery directive.
- Check that the gate travel during opening/ closing is limited by sturdy mechanical stops.

4) INSTALLATION

FIG.1

Overall dimensions of the gear motor expressed in mm.

4.1) POSITIONING OF THE FOUNDATION PLATE

FIG.2-3-4-5

It is very important to keep to dimension X shown in Fig.2. This value depends on the type of rack used:
X = 27 mm for rack in nylon
X = 24 mm for rack in iron, 12x30mm
Preset a corrugated tube (Fig.2 -A) for the passage of power supply cables and connection wires for the accessories.
Check that, at the end of the fitting, the foundation plate is perfectly parallel with respect to the wing.

Fit the system with screw anchors on the bottom of the cement (Fig.3).

Drill 4 holes, diam.10mm, by using the foundation plate as drilling template.
Tightly anchor the foundation plate to ground through the 4 “T” steel screw anchors and the 4 “B” threaded bars, M8x150mm and corresponding “D” nuts and “R” washers.

Alternative fitting systems are available on the market, e.g. anchoring with retaining expansion band (Fig.3 -T2) to be inserted in the hole with some hammer strokes.

Fitting to be cemented (Fig.4)

In this case, after providing an adequate foundation hole, bend the threaded bars as shown in Fig.4.
Submerse the bars in cement, paying attention to the level of the plate.
Wait that the cement hardens.
Fig. 5 shows the completed fitting plate.

Regardless of the type of fitting, check that the threaded bars are firmly anchored to ground and that they protrude for at least 24mm (44 mm for raised installation).

4.2) FITTING OF THE RACK

FIG.6-7-8

Rack in nylon (Fig.6).
Position the rack at a height of 78/98 mm from the centre line of the fixing slot provided on the base on which the foundation plate will be fitted. At that height, drill a hole on the gate and provide for a M6 threading.
Keep to the P tooth pitch, even from a section of rack and another. To this purpose, it could be useful to join another section of rack (Part. C)

Rack in Fe 12x30mm (Fig.7).
Position the spacers D by welding them or fitting them with screws to the gate, at 103 mm height from the centre line of the fixing slot provided on the base on which the foundation plate will be fitted.
Keep to the P tooth pitch, for all sections of the rack. To this purpose, it could be useful to connect another section of rack (Part. C)
Then fix the rack with V screws, taking care, once the actuator is installed, that 1-mm backlash is left between the rack and the tow wheel (seei Fig.8). To this purpose, use the slots on the rack.

4.3) POSITIONING AND ANCHORING OF THE ACTUATOR

FIG.9-10

Position the gear motor on the foundation plate with the gear centred with respect to the rack.
Release the automatic system and check that the gear be correctly positioned along the entire stroke of the rack. If required, adjust the alignment by using the special slots.
Fix the gear motor to the base by firmly tightening the 4 nuts D and inserting the R.
Apply the two screw covers C.
If the rack is already installed in a position which is higher than the pinion, the plate can be raised (20 m maximum) by moving the nuts and the washers under the plate, as shown in Fig.10.

If the connecting cables already present make it difficult to fix the standard plate, the optional plate BULL P3 (Fig. 11) can be used, thus allowing to raise the actuator installation by about 34 mm and facilitating the passage of cables.

5) POSITIONING OF THE LIMIT SWITCH BRACKETS

FIG.12

Manually open the gate and leave a clearance from 1 to 3cm according to the weight of the gate between the main door and the mechanical stopper A. Fix the bracket to the limit switch S by using the grains G, so that the limit switch microswitch F is pressed. The same operation should be repeated with gate in the closing phase.
N.B.: The limit switch bracket should be positioned so that the gate can be stopped without hitting the mechanical stopper.

6) MANUAL OPERATION (FIG. 14/15/16)

In the event of power failure or malfunction, to manually operate the gate proceed as follows:
- After inserting the customized key C, turn it anti-clockwise and pull the lever L (opened padlock)
- The geared motor is unlocked and the gate can be moved by hand.
- To return to the normal operating mode, close the lever L again and manually activate the gate until it is geared.

7) HOW TO INSTALL THE MAGNETS (BULL 624 TURBO.S OR ACCESSORY MLS) FIG.13

The magnets are housed in special supports (fig.13-”A”). These magnets are to be fitted to the rack and cause the triggering of sensors when they approach them.
It is recommended to perform tests with the supports temporarily fixed before final attachment.
Proceed as follows:
- Attach the support to the rack using the two self-tapping screws 6 provided.
- Apply the adjustable insert 5 to the support 4, considering that the different orientation changes the thickness from 12mm (iron rack RI.M4F) to 20mm (plastic rack RI.M4P).

- Apply the container 1 and secure it to the support 4 using the two self-tapping screws 7 provided.
- Insert the magnet into the pocket.
- Close the snapping cover..

Notes:
In the case of an iron rack, it is recommended to use a drill to make a pilot hole.
The position of the container 1 on the support 4 is adjustable.
It is possible to directly attach the container 1 to the rack or to any flat surface.

IMPORTANT: The correct distance of the magnet (Fig.13 - X) with respect to the sensor depends on the installation characteristics. This space cannot be preset and must be adjusted on a trial basis.
In any case, the distance K must not exceed 35 mm, as a greater distance will in most cases prevent the magnetic sensor from switching.
All control units are equipped with diagnostics, which indicate, via an LCD display or LED, that the limit switch has been triggered.
By manually moving the door with the control unit powered, it is possible to check the exact stopping point.

8) CP.B24TURBO CONTROL UNIT

8.1) WIRE DIAGRAM

Wire connections shown in Fig. 17 are described hereunder:

M2 SEL. 115V	Mains power supply selection	230Vac 50/60Hz (from 207Vac to 253Vac) M2 OPEN jumper 115Vac 50/60Hz (from 102Vac to 125 Vac) M2 CLOSED jumper
L-N-GND	Mains power supply	Mains power supply input selectable via M2 jumper.
+ BATT -	Batteries	Input for connecting buffer batteries (accessory) 2x12V 2.1Ah
M11	Motor	24Vdc motor connection
+ 24 -	24 Vdc	Accessories power supply output 24Vdc 0.8 A max (respect accessories polarity).
AUX1	AUX 1 Auxiliary output	Output with N.O. contact configurable by AUX1 operating logic
BAR J3	Responsive sensor	Responsive sensor contact input Resistive sensor: Jumper "DAS" closed Mechanical sensor: Jumper "DAS" open The sensor stops the movement of the door and reverses it for about 3s. If the sensor is not used: Jumper "DAS" open, jumper between BAR terminals.
RELEASE SW.	Magnetic Sensor	Input for safety microswitch connected to the release lever. Motor stops IF RELEASE LEVER OPEN. All LED segments are on.
S.I.S.	Synchronisation card optional	Optional SIS card input for synchronising two opposing automations. See paragraph synchronisation of two automations.
EXP	Expansion Port	Connector for KNX or pro.UP serial expansion.To access the connector, remove the plastic protective cover with a screwdriver.For compatibility with pro.UP, the central firmware must be b2.21 or later.
BLINK	Flashing	24Vdc output 15W max. for connection to the flashing light.
AUX2	Auxiliary output AUX 2	24 Vdc output configurable by AUX2 operating logic (0.5A max)
COM	Common Inputs	Common for all control inputs.
SWO	Limit switch opens	Limit switch input OPENS (N.C. contact).
SWC	Limit switch closes	Limit switch input CLOSES (N.C. contact).
STOP	STOP	Button input STOP (N.C. contact).
PHO	Photocell opening/closing	Photocell input active in opening and closing (N.C. contact).
PHC	Photocell closing	Photocell input active only during closing (N.C. contact)
OPEN	Opens	Input for configurable opening command as pedestrian input (N.O. contact) It is possible to connect a timer for opening in time slots.
CLOSE	Closes	Close command input (N.O. contact)
PP	Step-by-step	Step-by-Step button input (N.O. contact)
COM	Common Inputs	Common for all control inputs.
ANT-SHIELD	Antenna	Built-in radio transmitter card antenna connection (ANT-signal/SHIELD-screen).

8.2) 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.

8.2.1) TO ACCESS MANUAL PROGRAMMING

1 -Press the <PG> button to enter the first Installation menu “INST”.
2 -Choose with <+> or <-> button the menu you want to select (see menu at page 10-11)
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.

8.2.2) 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.

8.3) TESTING

- Check that the safety devices work correctly.
- Check the opening/closing forces at the points set out in EN 12453 with an appropriate instrument.
- If the forces are greater, install a safety device compliant with EN12978 (e.g. safety sensitive edge) and repeat the measurements.
- Check the correct setup of the operation logic and that the manual release works properly.

8.4) PARAMETERS, LOGICS AND SPECIAL FUNCTIONS

The following tables describe the functions available on the control unit.

8.4.1) 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 .	3-240-(40)	
tPEd	The passage left open by the gate leaf during the partial opening (pedestrian) is adjusted.	10-99-(50)	
FSto	The opening speed is adjusted. *	50-99-(99)	
FStc	The closing speed is adjusted. *	50-99-(99)	
SLdo	Adjusts the slowdown speed of sliding door during the opening phase* (Fig.10 -slow Open).	10-50-(25)	
SLdc	Adjusts the slowdown speed of sliding door during the closing phase * (Fig.11 -slow Close).	10-50-(25)	
tSMo	Sets the starting point of the slowdown during the opening phase (Fig.10- 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.11- beginning of the slow Close). The value is expressed in percentage on the entire stroke. *	1-99-(20)	
PMo	Adjusts the intervention threshold of the anti-crushing device* (amperometric sensor) during the opening phase at normal speed	1-99-(20)	
PMc	Adjusts the intervention threshold of the anti-crushing device* (amperometric sensor) during the closing phase at normal speed	1-99-(20)	
PSo	Adjusts the intervention threshold of the anti-crushing device* (amperometric sensor) during the opening phase at slow speed	1-99-(20)	
PSc	Adjusts the intervention threshold of the anti-crushing device* (amperometric sensor) during the opening phase at slow speed	1-99-(20)	
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/AUX2 parameter.	1-240 (60)	
t2ch	Active only with AUX1/AUX2 parameter set to value 1. Adjusts the activation time of the second radio channel. With the value set to 0 the contact switches to bistable mode.	0-250-(1s)	
ALrM	Activates the alarm output when at least one of the following inputs (STOP - PHOTA - PHOTC - BAR - SWO+SWC) remains active for the set time. One of the AUX parameters must be set to 7 (Alarm output) Value in seconds.	30-240 (60s)	
bLc	Adjusts the stopping distance after the closing and opening limit switch has tripped. Function only active with slowing down enabled 0: minimum stopping distance - 5: maximum stopping distance	0-5 (2)	
AUX 1	Sets the operating mode of the AUX1 output (N.O. contact) 0: SCA output (gate open indicator light). The light is off when the door is closed, flashes when the door is moving, is on when the door is open. 1: 2CH radio output. The output is controlled by the second radio channel of the built-in receiver (see RADIO menu) 2: courtesy light output (activation time is set by parameter TLS) 3: Zone light output. The contact closes for the duration of the manoeuvre and for the duration of the TCA, it only reopens when the gate is closed. 4: accessory power supply output (for .photocell verification - sensitive edge, in combination with logics TST1-TST2-TST3) 5: flashing output 6: gate open alarm output (gate open for twice the set TCA time) 7: NC input alarm output or card error (NC=alarm not active, NO=alarm active)	0 -7 - (1)	
AUX2	Same operation features as AUX1 output, but referred to terminals AUX2. ATTENTION!: Max AUX2 output voltage is 24Vdc/0,5 A Max. You can directly power 24Vdc devices, as shown in Fig. 24.	0 -7 - (0)	

*** ATTENTION: A WRONG SETTING OF THESE PARAMETERS CAN BE DANGEROUS.**
RESPECT THE REGULATION IN FORCE!
Measure that impact forces comply with the values laid down in regulation en 12453. change, if necessary, the operating parameters and repeat the measurements.
Once you have manually modified the parameters SLDO/SLDC the controller performs a complete manoeuvre to learn the new parameters.

8.4.2) 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	The rapid closure is enabled or disabled On: rapid closure is enabled. When the gate is open or moving, the photocell activation causes the automatic closure of the gate after 3 s. It is activated only with tcA:ON Off: rapid closure is 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)	
nbLH	Sets the operating mode of the AUX outputs set as flashing output (5). On: Flashing (1s On and 1s Off) Off: Steady flashing (to be used with flashing outputs already equipped with a flashing circuit).	(OFF)	
PhcL	The operating mode of the PHOT C input is selected. On: PHOT C input is activated in both opening and closing phases. In the opening phase: the contact opening causes the motor stop. When the photocell is released, the motor restarts in the opening phase. In closing phase: the contact opening causes the motor stop. When the photocell is released, the motor inverts the movement direction (open). Off: The PHOT C input is activated in the closing phase only. In the closing phase: the contact opening causes the motor stop and the immediate reversion of the operation direction (open).	(OFF)	
PScL	Sets the PHOT O input operating mode On: intervention of the photocell stops the movement of the leaf in both opening and closing, after 1s from the moment it is released, it starts closing again. Off: Standard operation.	OFF	
oPPd	Enables OPEN input as Pedestrian input (Partial parameter TPED opening). On: OPEN input enabled as pedestrian input (PED). Off: No modification to the OPEN input	(OFF)	
PPEd	Enables the Step-by-Step input as a pedestrian input ON: The Step-by-Step input takes on the pedestrian function, activating a partial opening defined by the parameter TPED OFF: Step-by-Step input	(OFF)	
cuAr	It enables or disables reception of the transmitters duplicated by the "AK" series. On: AK transmitters reception enabled Off: AK transmitters reception disabled.	(ON)	
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.23 - "PHOTO TEST". (AUX1=4) Off: Check of photocells each time a manoeuvre is disabled. This setting requires maintenance of photocells every 6 months.	(OFF)	
tSt2	Enables or disables the check of photocells on PHOT C input. On: Check enabled. If the check fails, no manoeuvre will be enabled. (AUX1=4) Off: Check of photocells each time a manoeuvre is disabled. This setting requires maintenance of photocells every 6 months.	(OFF)	
tSt3	Enables or disables the TEST of the Edge (BAR) input. Activation of the TEST function is only possible when using the articles SC.RF and RF/RF.SUN, see specific instructions. On: Test enabled. If the test is negative, no manoeuvre is commanded. See Fig.6 - "BAR TEST" (AUX1=4). Off: Verification disabled.	(OFF)	

bAr	Changing the operating mode of the PHOT O and BAR inputs in the event the sensitive edges are installed on the mobile opening and closure edges (see Fig.21). On: The PHOT O input assumes a similar function to the BAR input, but inverts motion for 3s only during the opening phase. The edge connected to the BAR input is only active during the closure phase. Off: Intervention of the sensitive edge connected to the BAR input stops movement of the door and inverts for approx. 3s, both opening and closure. The PHOT O input re-starts functioning of the photocell active on opening.	(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, before the emergency battery completely discharged, the control unit causes an opening operation. The door remains open until the power supply is back. Off: Deactivated function.	(OFF)	
n Inv	The opening direction of the motor is selected: On: Right side motor mount Off: Left side motor mount (fig.20)	(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.	(ON)	

8.4.3) 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
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.
PEd	When this function is selected, the receiver awaits (Push) a transmitter code to be assigned to the PED function. Press the transmitter key, which is to be assigned to this function. If the code is valid, it will be stored in memory and OK will be displayed. If the code is not valid, the Err message will be 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

8.4.4) 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.

8.4.5) 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.

8.4.6) 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 and the configuration of synchronism.
All the logics and all the parameters are brought back to default values, it is therefore necessary to repeat the autoset procedure.

8.4.7) AUTOSET (AUto)

This function sets the optimal functioning values of the installation. 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 phase, the anti-crushing function is not active, while the activation of inputs and safety devices generates an error. (paragraph 8.10)
b) select the function AUTO and press PG.
c) the control unit waits the confirmation to start the procedure "AUTO" FLASHING.
d) 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.

8.4.8) 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.

8.4.9) 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 door as SLAVE.
Loc	Allows a door set as SLAVE to receive local commands. See paragraph 8.5 “SYNCHRONIZATION OF TWO OPPOSITE SLIDING DOORS”

8.5) SYNCHRONISATION OF TWO OPPOSITE SLIDING DOORS

It is possible to manage a system composed of two sliding doors by using for each CP.B24TURBO the specific optional control unit SIS, which must be plugged into the appropriate connector as shown in Fig. 21.
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.21.
One of the control unit must be set as MASTER (ID=0) and the other one as SLAVE (ID=1).
All the commands (commands given by transmitters, push buttons or safety devices) received by the MASTER sliding door are sent to the SLAVE sliding door, which will replicate instantaneously the behavior of the MASTER.
The logic LOC can be set in two ways:
ON: the SLAVE sliding door can accept a local command and execute an opening/closing maneuver with no effect on the MASTER sliding door.
OFF: the SLAVE sliding door do not accept any local command and so it will replicate exclusively the behavior of the MASTER sliding door.
A SLAVE sliding door *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 doors, 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.

8.6) 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 door 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.
Note*: function not enabled with TO.GO 2/4 AK*

8.7) FUSES

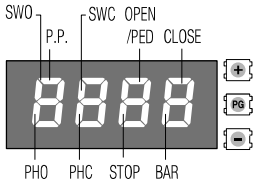
F2 =T4A - General protection fuse

8.8) BACK UP BATTERIES

The CP.B24TURBO control panel is equipped with built-in battery chargers to handle in series two 12V 2.1 Ah DA.BT2 batteries (optional - fig. 19) that allow the operation of the automation even in the case of temporary absence of mains power supply.
During normal mains operation, the card charges the batteries.

The maximum charge current is 1A, the average charge current is 300mA. (respect the polarity).
Charging time with 2.1Ah mod. DA.BT2 batteries: about 3h.
Number of cycles with charged battery for a 4m/600kg gate: about 20.

8.9) DIAGNOSTICS



DL 1 : Presence of mains voltage
DL 2 : Flashes to indicate control unit CP.B24TURBO correctly powered - Program running/Control unit programmed.
DL 3 : Overload or short-circuit signalling on 24V output.
DL 4 : Short-circuit signalling on Command Common (COM).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.
Note: With unlocked motor, SWO/SWC/PHO/PHC/STOP/BAR light-up simultaneously

EN

8.10) ERROR MESSAGES

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

Err 1	Motor error	Verify the motor wirings, faulty motor or not connected, problem on the control unit.
Err2	Photocell check error	
Err4	Safety Edge input verification error	
Err7	STOP input error during Autoset	
Err8	INPUTS ACTIVATION (START/OPEN/ CLOSE) error during Autoset	
Econ	BUS communication error	
AMP	Amperometric sensor intervention	Verify the presence of obstacles or friction points.
thrn	Thermal sensor intervention	Overheating due to permanent obstacles. Unlock the gate and verify there are no points of friction.
ould	Overload	Exceeding of the maximum power. Verify the motor and presence of friction points..
bAr	SENSOR input activation during move-ment	

9) MAINTENANCE

The following table is used to record maintenance operations, improvement or repair works carried out by the expert engineer.

Date _	Engineer's Signature _	Stamp
Description of operation _

ISTRUZIONI PER L'UTILIZZATORE
USER'S HANDBOOK

BULL 624 TURBO

NORME DI SICUREZZA

- Non sostare nella zona di movimento dell'anta.
- Non lasciare che i bambini giochino con i comandi o in prossimità dell'anta.
- In caso di anomalie di funzionamento non tentare di riparare il guasto ma rivolgersi ad un tecnico specializzato.

MANOVRA MANUALE E D'EMERGENZA

In caso di mancanza dell'energia elettrica o di guasto, per azionare manualmente l'anta procedere come segue:

- Inserita la chiave personalizzata C, farla ruotare in senso antiorario e tirare la leva L.
- Il motoriduttore è così sbloccato ed è possibile movimentare manualmente l'anta.
- Per ristabilire il normale funzionamento richiudere la leva L ed azionare il cancello manualmente fino ad ingranamento avvenuto.

MANUTENZIONE

- Controllare periodicamente l'efficienza dello sblocco manuale di emergenza.
- Astenersi assolutamente dal tentativo di effettuare riparazioni, potreste incorrere in incidenti; per queste operazioni contattare un tecnico specializzato.
- Verificare periodicamente l'efficienza dei dispositivi di sicurezza e le altre parti dell'impianto che potrebbero creare pericoli in seguito ad usura.
- Verificare l'efficienza delle fotocellule almeno ogni 6 mesi.
- Conservare con cura il registro di manutenzione che l'installatore ha l'obbligo di consegnarvi, rispettare il piano di manutenzione previsto.
- Scollegare l'alimentazione in caso di manutenzione o pulizia delle parti.
- Esaminare frequentemente che tutte le parti dell'automazione siano fissate saldamente e controllate segni di usura o danni a cavi, molle e fissaggi. Non utilizzare l'automazione se sono necessarie riparazioni o manutenzioni.

SMALTIMENTO

Come indicato dal simbolo a lato, è vietato gettare questo prodotto nei rifiuti domestici in quanto alcune parti che lo compongono potrebbero risultare nocive per l'ambiente e la salute umana, se smaltite scorrettamente.
L'apparecchiatura, pertanto, dovrà essere consegnata in adeguati centri di raccolta differenziata, oppure riconsegnata al rivenditore al momento dell'acquisto di una nuova apparecchiatura equivalente. Lo smaltimento abusivo del prodotto da parte dell'utente comporta l'applicazione delle sanzioni amministrative previste dalla normativa vigente.

SAFETY MEASURES

- Do not stand within the gate movement area.
- Children must not play with controls and near the gate.
- In the event of malfunctions, do not attempt to repair the failure but contact the specialised personnel.

MANUAL AND EMERGENCY MANOEUVRE

In the event of power failure or malfunction, to manually operate the gate proceed as follows:

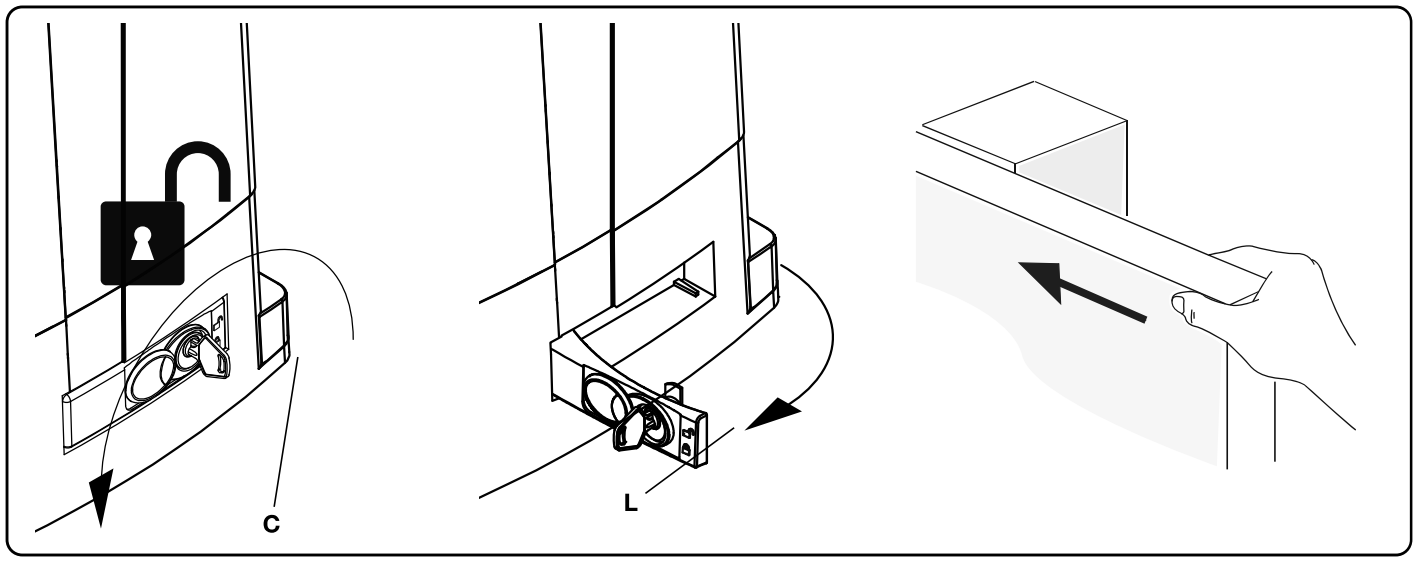
- After inserting the customized key C, turn it anti-clockwise and pull the lever L.
- The geared motor is unlocked and the gate can be moved by hand.
- To return to the normal operating mode, close the lever L again and manually activate the gate until it is geared.

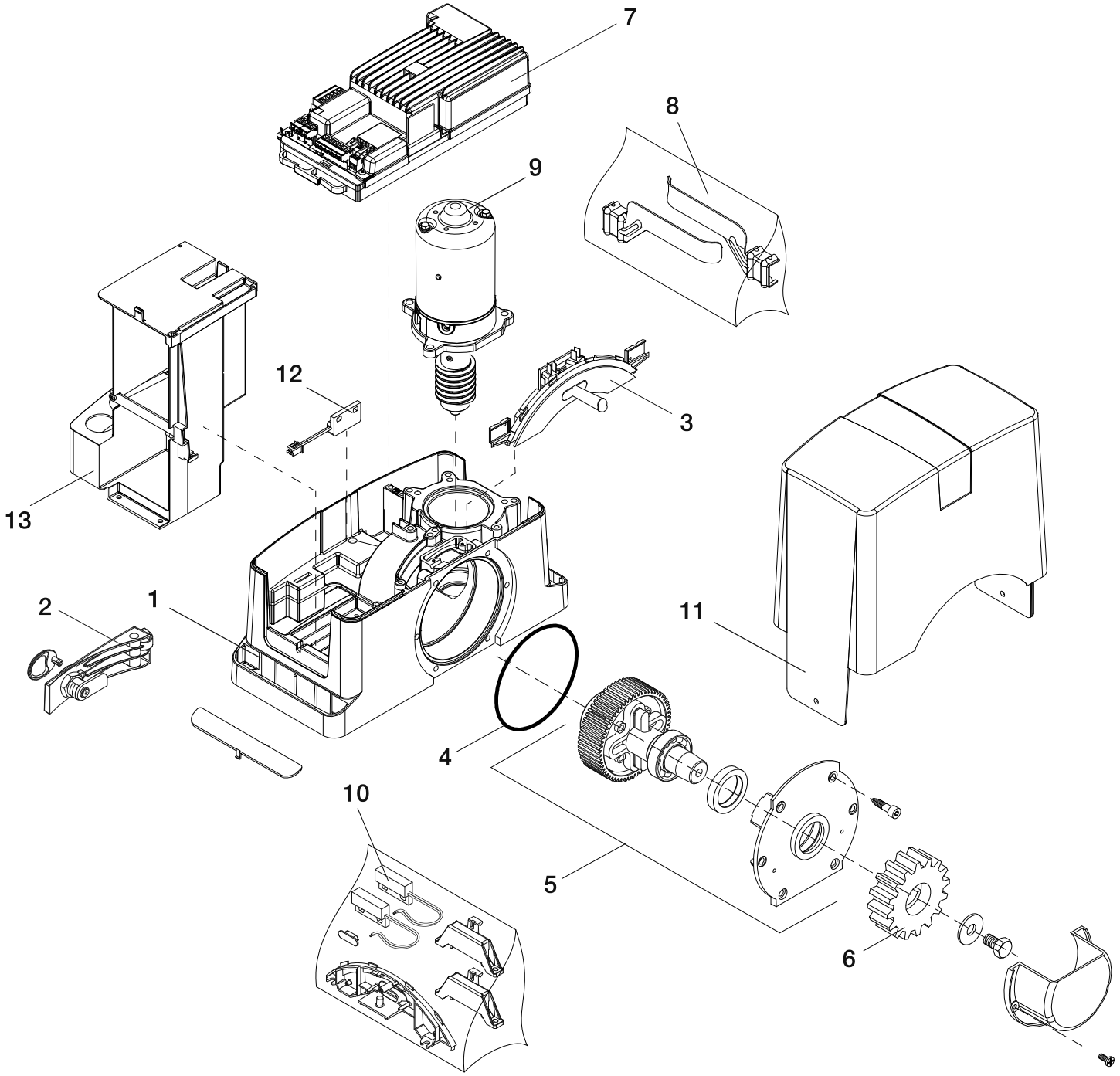
MAINTENANCE

- 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.
- Periodically check the efficiency of the safety devices and other parts of the system that could generate hazards due to wear and tear.
- 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.
- Keep the maintenance record that must be handed to you by the installer, and comply with the maintenance schedule.
- Unplug the system from the power source when servicing or cleaning the parts.
- Regularly check that all parts of the automation system are firmly secured and check for signs of wear or damage to cables, springs and fastening screws. Do not use the automation system if the same requires repairs or maintenance.

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.





BULL 624 TURBO		
Ref.	**Code**	**Note**
1	9686770	
2	9688362	
3	9686329	
4	9686421	
5	9688365	
6	9686032	
7	968600673	
8	968602383	
9	9688361	
10	9688102	
11	968600654	
12	9688364	
13	9688363	

Dichiarazione di Conformità UE

e dichiarazione di incorporazione di "quasi macchina" (DOI), allegato IIB 2006/42/CE

Nome del produttore:	Automatismi Benincà SpA
Indirizzo:	Via Capitello, 45
Codice postale e Città:	36066 - Sandrigo (VI) - Italia
Telefono:	+39 0444 751030
E-mail:	sales@beninca.it

Dichiara che il documento è rilasciato sotto la propria responsabilità e appartiene al seguente prodotto:

Modello/Tipo:	BULL 624 TURBO
Tipo di prodotto:	Attuatore elettromeccanico 24Vdc per cancelli scorrevoli

Il produttore dichiara sotto la propria responsabilità che il prodotto sopraindicato risulta conforme alle disposizioni imposte dalle seguenti direttive:

Direttiva 2014/53/EU
Direttiva 2011/65/EU

Inoltre il prodotto risulta essere conforme alla seguente direttiva secondo i requisiti previsti per le quasi macchine:
Direttiva 2006/42/CE

Sono state applicate le norme armonizzate e le specifiche tecniche descritte di seguito:

ETSI EN 300 220-1 V3.1.1
ETSI EN 300 220-2 V3.1.1
ETSI EN 301 489-1 V2.1.1
ETSI EN 301 489-3 V2.1.1
EN 61000-6-2:2005, EN 61000-6-3:2007 + A1:2011
EN 60335-1:2012 + A11:2014; EN 60335-2-103:2015

Si dichiara che la documentazione tecnica è stata compilata in conformità all'allegato VII B della Direttiva 2006/42/CE e sono stati rispettati i seguenti requisiti essenziali:
1.1.1 - 1.1.2 - 1.1.3 - 1.1.5 - 1.2.1 - 1.2.6 - 1.3.2 - 1.5.1 - 1.5.2 - 1.5.5 - 1.5.6 - 1.5.7 - 1.5.8 - 1.5.10 - 1.5.11

Si dichiara che la "quasi-macchina" non deve essere messa in servizio finchè la macchina finale in cui deve essere incorporata non è stata dichiarata conforme, se del caso, alle disposizioni della presente direttiva.

Il fabbricante si impegna a trasmettere, in risposta a una richiesta adeguamente motivata delle autorità nazionali, informazioni pertinenti sulle "quasi-macchine". L'impegno comprende le modalità di trasmissione e lascia impregiudicati i diritti di proprietà intellettuale del fabbricante della "quasi-macchina".

Luogo e data:

Sandrigo, 12/12/2023

Firmato per conto di:

Luigi Benincà, Responsabile legale

La documentazione tecnica è gestita da:

Giuliano Faccin, Responsabile tecnico

* Persona autorizzata a redigere la documentazione tecnica a nome del fabbricante.

Declaration of Conformity UE

and declaration of incorporation of "partly completed machinery" (DOI), Annex IIB 2006/42/EC

Manufacturer's name:	Automatismi Benincà SpA
Postal Address:	Via Capitello, 45
Post code and City:	36066 - Sandrigo (VI) - Italia
Telephone number:	+39 0444 751030
E-mail address:	sales@beninca.it

Declare that the DOC is issued under our sole responsibility and belongs to the following product:

Model/Product:	BULL 624 TURBO
Type:	Electromechanical actuator 24Vdc for sliding gates

The manufacturer declares under his own responsibility that the above mentioned product complies with the provisions of the following directives:

Directive 2014/53/EU
Directive 2011/65/EU

In addition, the product complies with the following directive according to the requirements for partly completed machines:
Directive 2006/42/CE

The following harmonized standards and technical specifications have been applied:

ETSI EN 300 220-1 V3.1.1
ETSI EN 300 220-2 V3.1.1
ETSI EN 301 489-1 V2.1.1
ETSI EN 301 489-3 V2.1.1
EN 61000-6-2:2005, EN 61000-6-3:2007 + A1:2011
EN 60335-1:2012 + A11:2014; EN 60335-2-103:2015

We declare that the technical documentation has been compiled in accordance with Annex VII B of Directive 2006/42/EC and that the following essential requirements have been met:
1.1.1 - 1.1.2 - 1.1.3 - 1.1.5 - 1.2.1 - 1.2.6 - 1.3.2 - 1.5.1 - 1.5.2 - 1.5.5 - 1.5.6 - 1.5.7 - 1.5.8 - 1.5.10 - 1.5.11

It is declared that "partly completed machinery" must not be put into service until the final machinery into which it is to be incorporated has been declared in conformity, where appropriate, with the provisions of this Directive.

The manufacturer must undertake to transmit, in response to a reasoned request from the national authorities, relevant information on "partly completed machinery". This undertaking shall include the method of transmission and shall be without prejudice to the intellectual property rights of the manufacturer of the "partly completed machinery".

Place and date:

Sandrigo, 12/12/2023

Signed on behalf of:

Luigi Benincà, Responsabile legale

Technical documentation is handled by:

Giuliano Faccin, Responsabile tecnico

* Person authorised to draw up the technical documentation on behalf of the manufacturer.

UKCA Declaration of Incorporation

Manufacturer's name:	Automatismi Benincà SpA
Postal Address:	Via Capitello, 45
Post code and City:	36066 - Sandrigo (VI) - Italia
Telephone number:	+39 0444 751030
E-mail address:	sales@beninca.it

Declare that the document is issued under our sole responsibility and belongs to the following product:

Model/Product: BULL 624 TURBO

Type: Electromechanical actuator 24Vdc for sliding gates

The object of the declaration described above is in conformity with the relevant Union harmonization legislation:

Radio Equipment Regulations 2017
Equipment regulation 2012

Furthermore, the product is found to be in compliance with the following directive according to the requirements specified for the Supply of Machinery (Safety) Regulations 2008

The following designated standards and technical specifications have been applied:

ETSI EN 300 220-1 V3.1.1
ETSI EN 300 220-2 V3.1.1
ETSI EN 301 489-1 V2.1.1
ETSI EN 301 489-3 V2.1.1
EN 62368-1:2014 + A11:2017 + AC:2017
EN 61000-6-2:2005, EN 61000-6-3:2007 + A1:2011
EN 60335-1:2012 + A11:2014; EN 60335-2-103:2015

It is declared that the technical documentation has been compiled in conformity with Appendix VII B of the Supply of Machinery (Safety) Regulations 2008 and complies with the essential requirement: 1.1.1 - 1.1.2 - 1.1.3 - 1.1.5 - 1.2.1 - 1.2.6 - 1.3.2 - 1.5.1 - 1.5.2 - 1.5.5 - 1.5.6 - 1.5.7 - 1.5.8 - 1.5.10 - 1.5.11

It is declared that the "partly completed machinery" must not be put into service until the final machine into which it is to be incorporated has been declared compliant, if applicable, with the provisions of this directive.

The manufacturer undertakes to provide, in response to a properly justified request from national authorities, relevant information on the "partly completed machinery". This commitment includes the methods of transmission and does not prejudice the intellectual property rights of the manufacturer of the "partly completed machinery".

Signed for and on behalf of:

Sandrigo, 12/12/2023

Luigi Benincà, Responsabile legale

AUTOMATISMI BENINCÀ SpA - Via Capitello, 45 - 36066 Sandrigo (VI) ITALY - Tel. 0444 751030 r.a. - Fax 0444 759728

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