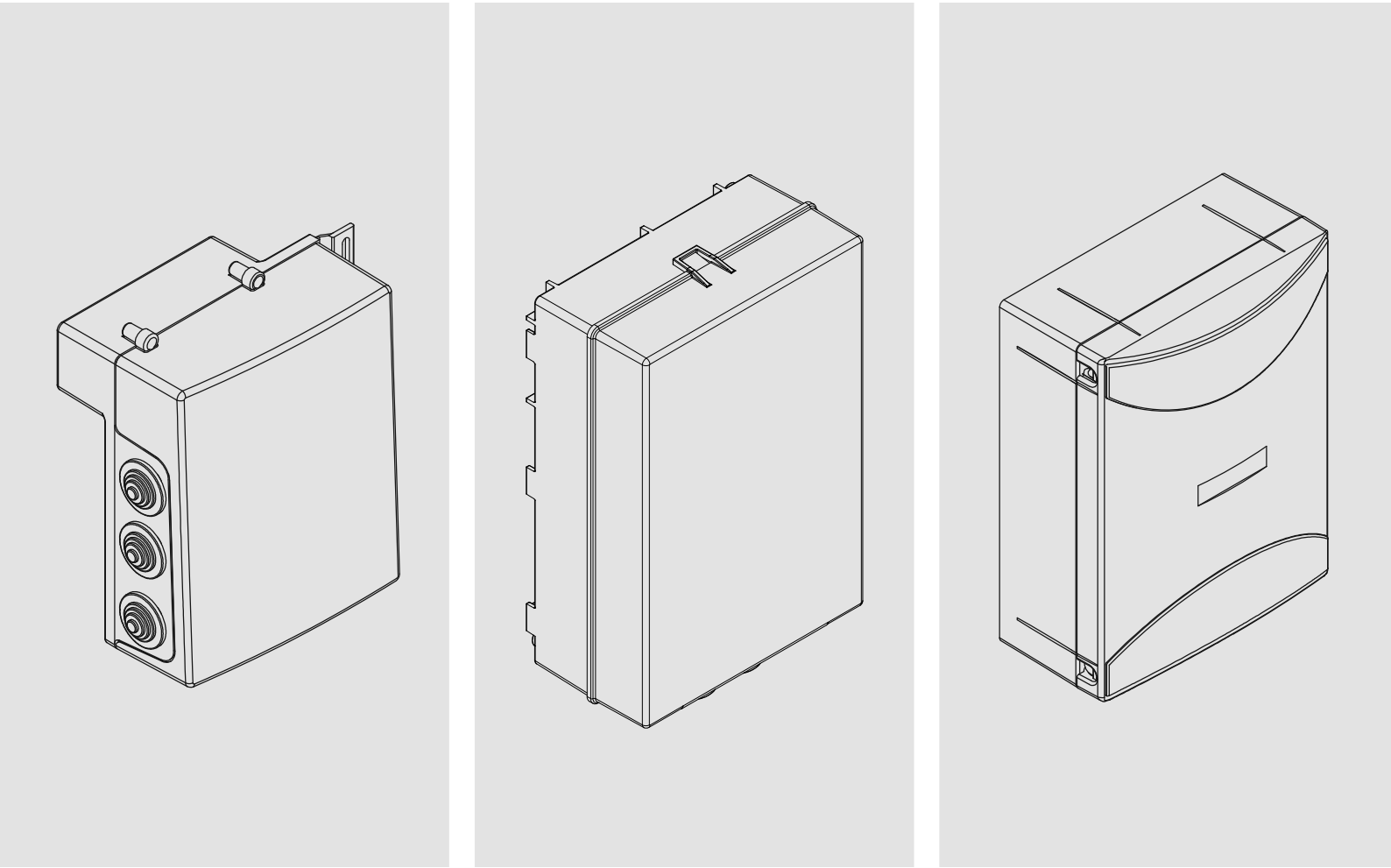
L8543112
12/2024 rev 4

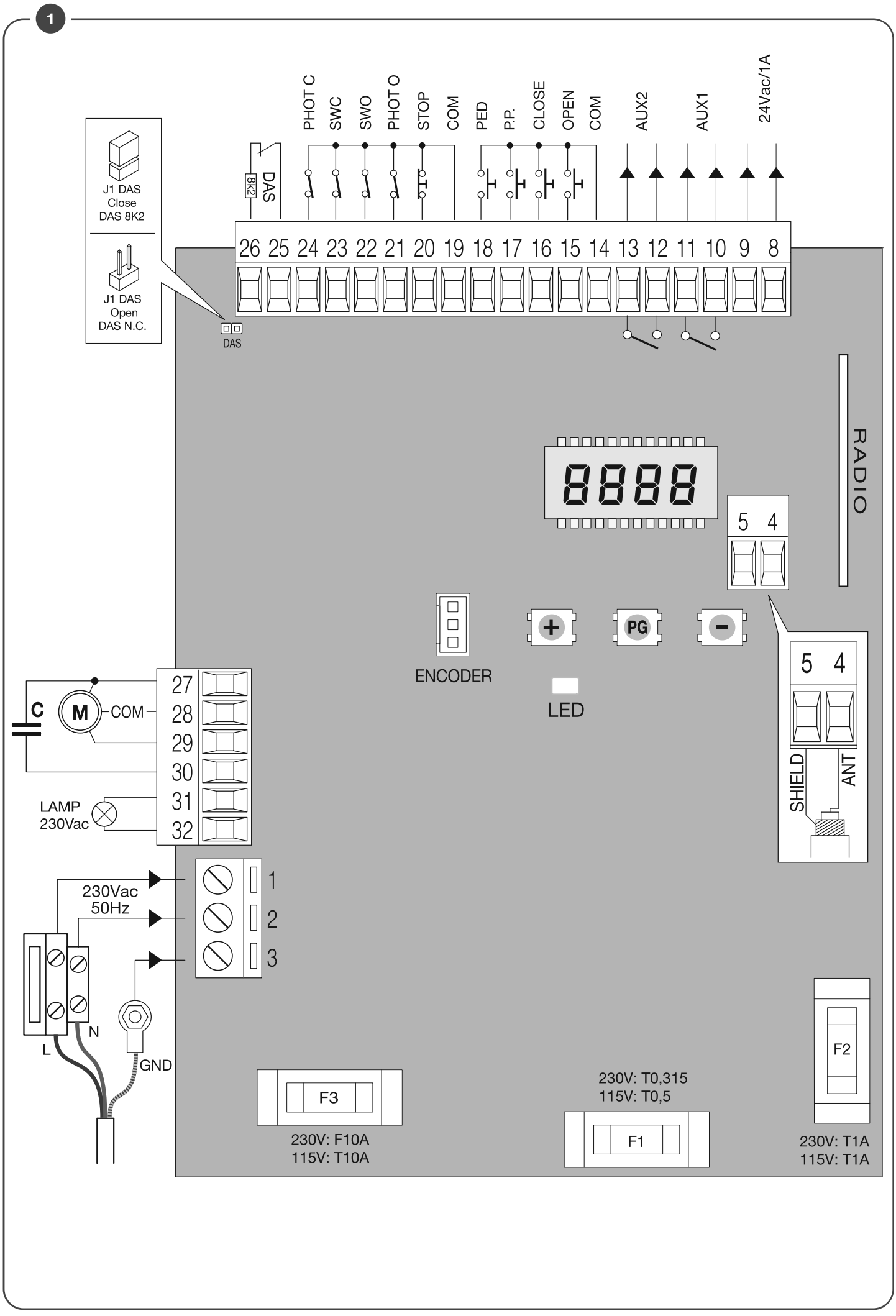
CP.BULL-RI CP.BISON OM MATRIX



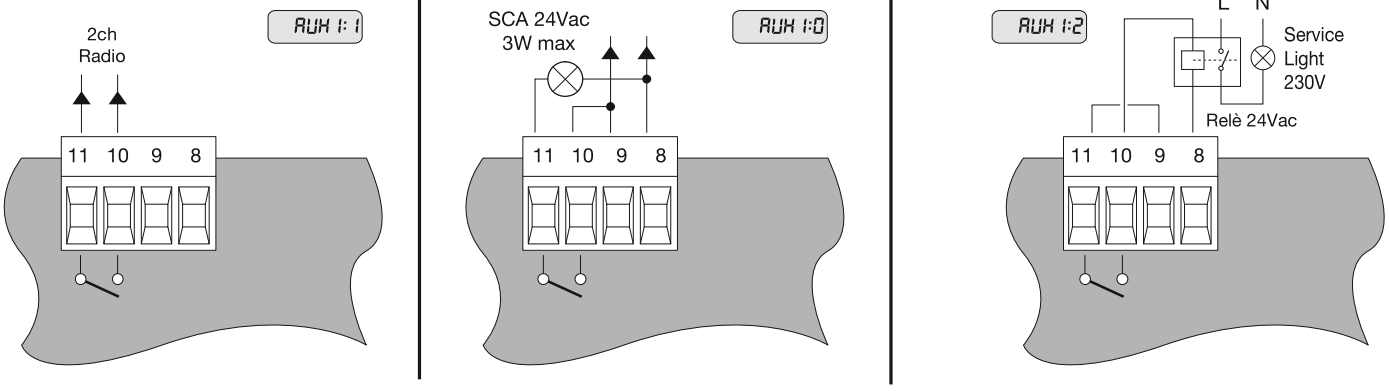
BENINCÀ®
TECHNOLOGY TO OPEN

CE

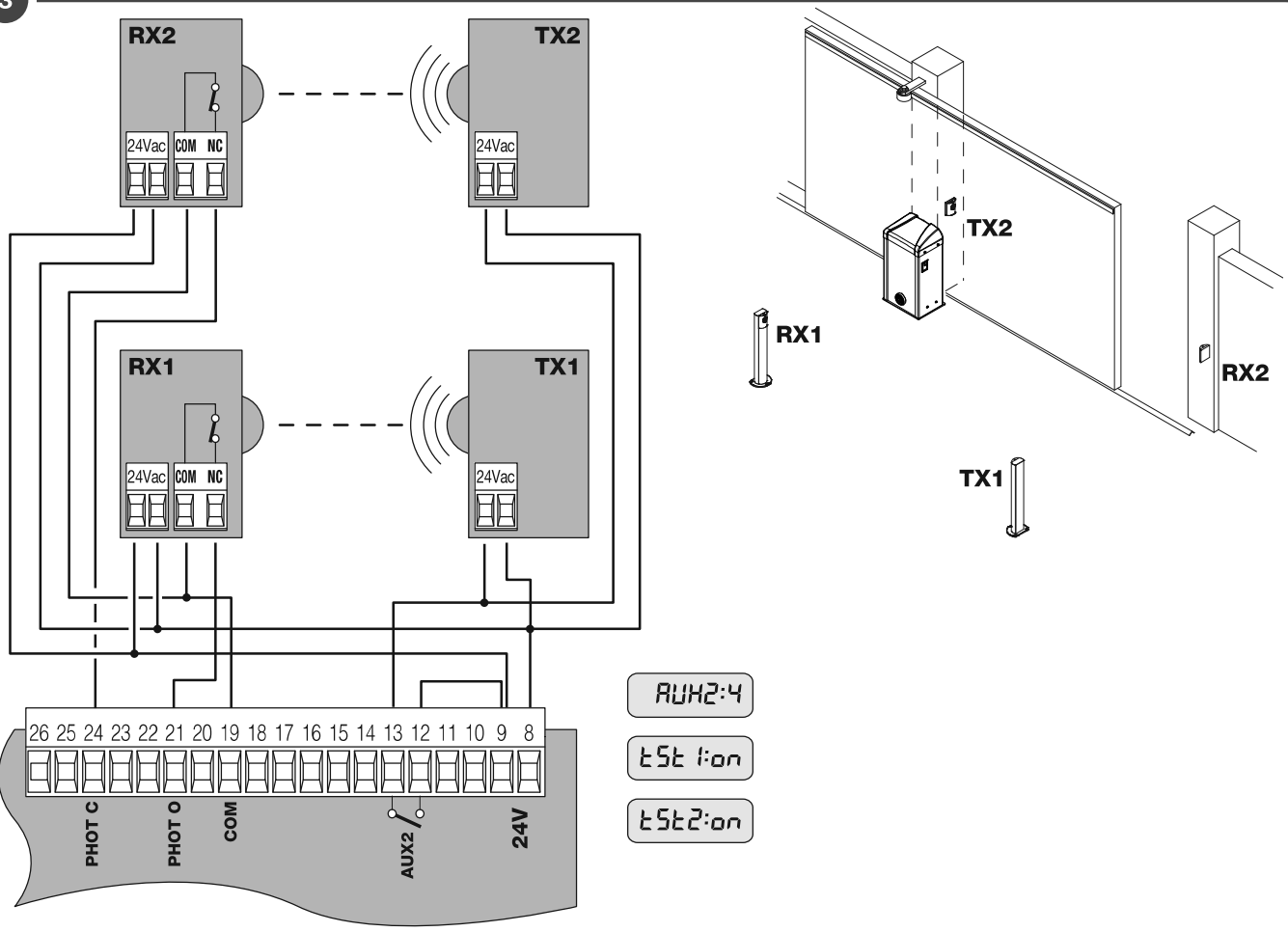
UNIONE NAZIONALE COSTRUTTORI
AUTOMATISMI PER CANCELLI, PORTE
SERRANDE ED AFFINI
UNAC


1
PHOT C
SWC
SWO
PHOT O
STOP
COM
PED
P.P.
CLOSE
OPEN
COM
AUX2
AUX1
24Vac/1A
J1 DAS
Close
DAS 8K2
J1 DAS
Open
DAS N.C.
DAS
8K2
26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8
RADIO
5 4
ENCODER
LED
PG
SHIELD
ANT
C
M
COM
27
28
29
30
31
32
LAMP
230Vac
230Vac
50Hz
1
2
3
L
N
GND
F3
230V: F10A
115V: T10A
230V: T0,315
115V: T0,5
F1
F2
230V: T1A
115V: T1A

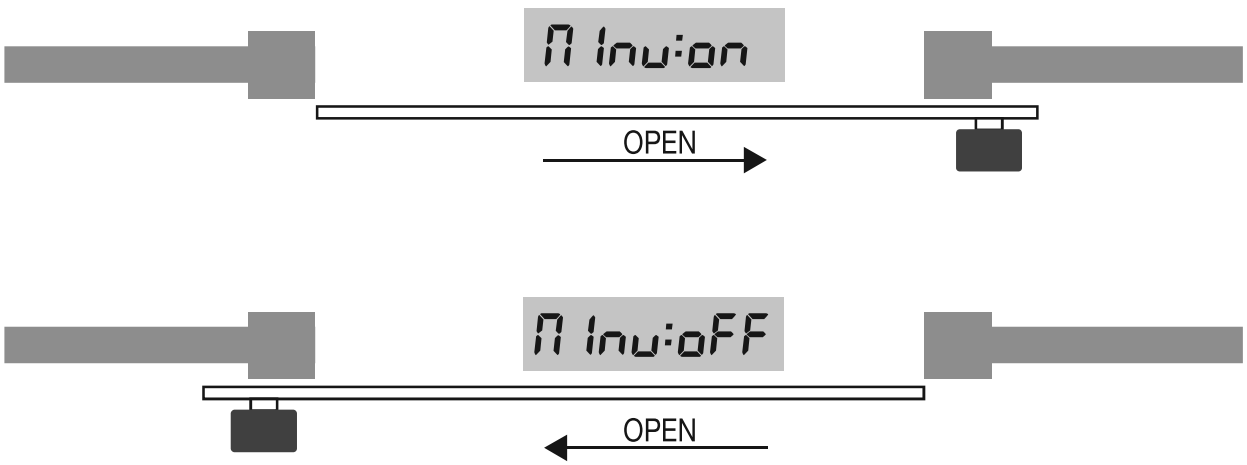
2


2ch
Radio
AUX 1:1
11 10 9 8
SCA 24Vac
3W max
AUX 1:0
11 10 9 8
AUX 1:2
L N
Service
Light
230V
Relè 24Vac
11 10 9 8

3


RX2
TX2
24Vac COM NC
24Vac
RX1
TX1
24Vac COM NC
24Vac
26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8
PHOT C
PHOT O
COM
AUX2
24V
AUX2:4
tSt 1:on
tSt2:on
TX2
RX1
RX2
TX1

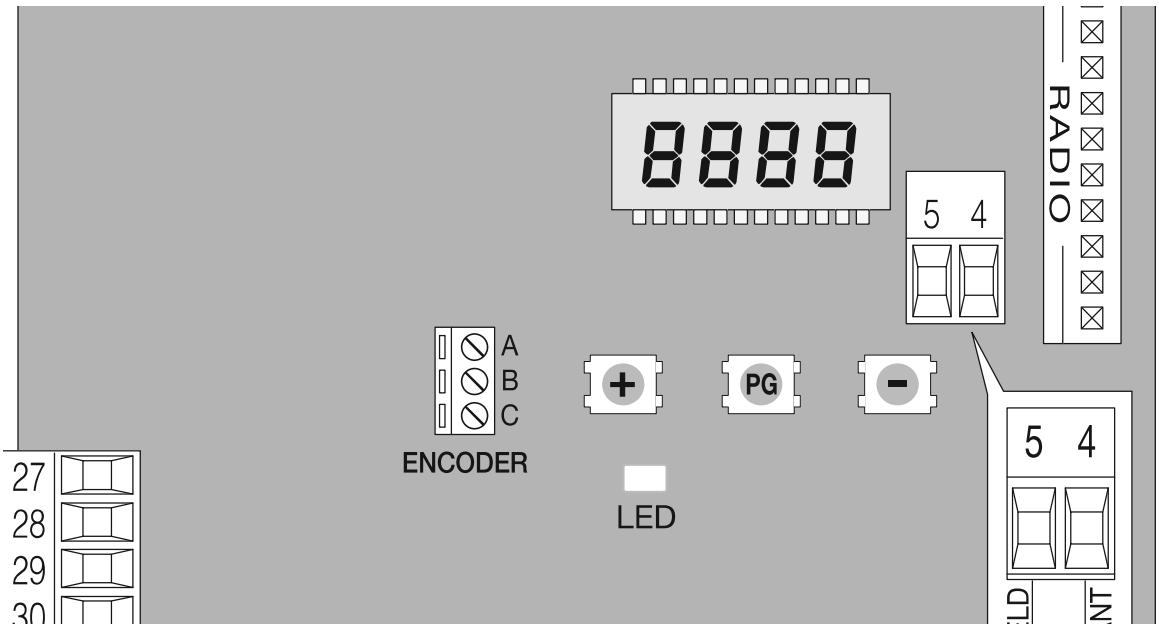
4

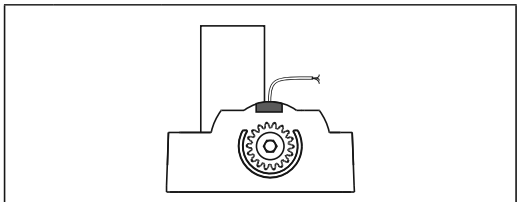

n 1nu:on
OPEN
n 1nu:oFF
OPEN

5

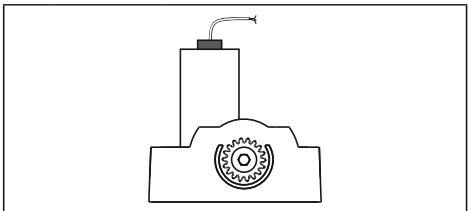
MATRIX + BULL10M SC/15M SC

Collegamento Encoder - Encoder Connection - Anschluss Encoder
Branchement Encodeur - Conexión Encoder - Połączenia Enkoderem



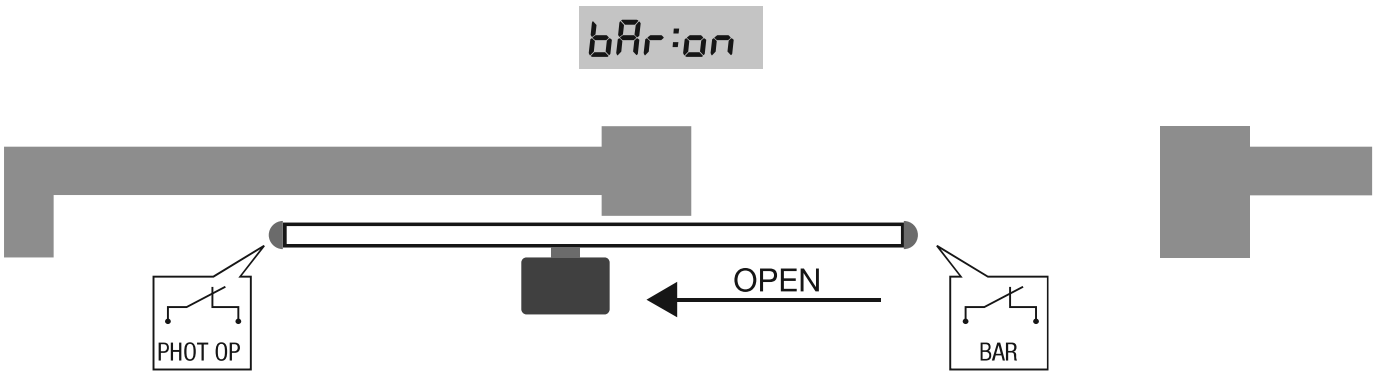


A	Signal	Bianco/White/Weiss Blanc/Blanco/Biały
B	+5V	Marrone/Brown/Braun Marron/Marrón/Brązowy
C	GND	Verde/Green/Grüne Verte/Verde/Zielony



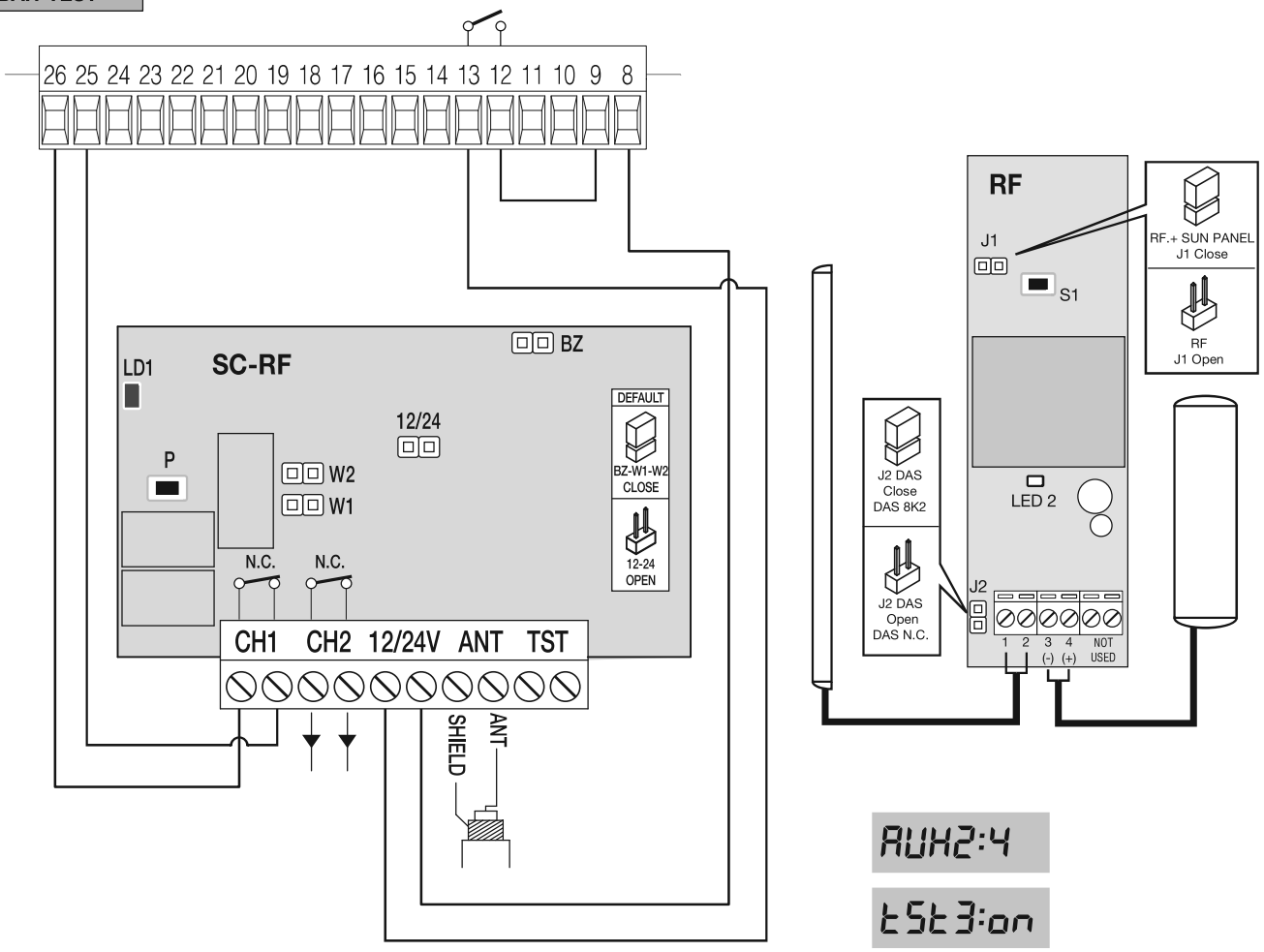
A	Signal	Verde/Green/Grüne Verte/Verde/Zielony
B	+5V	Marrone/Brown/Braun Marron/Marrón/Brązowy
C	GND	Bianco/White/Weiss Blanc/Blanco/Biały

6

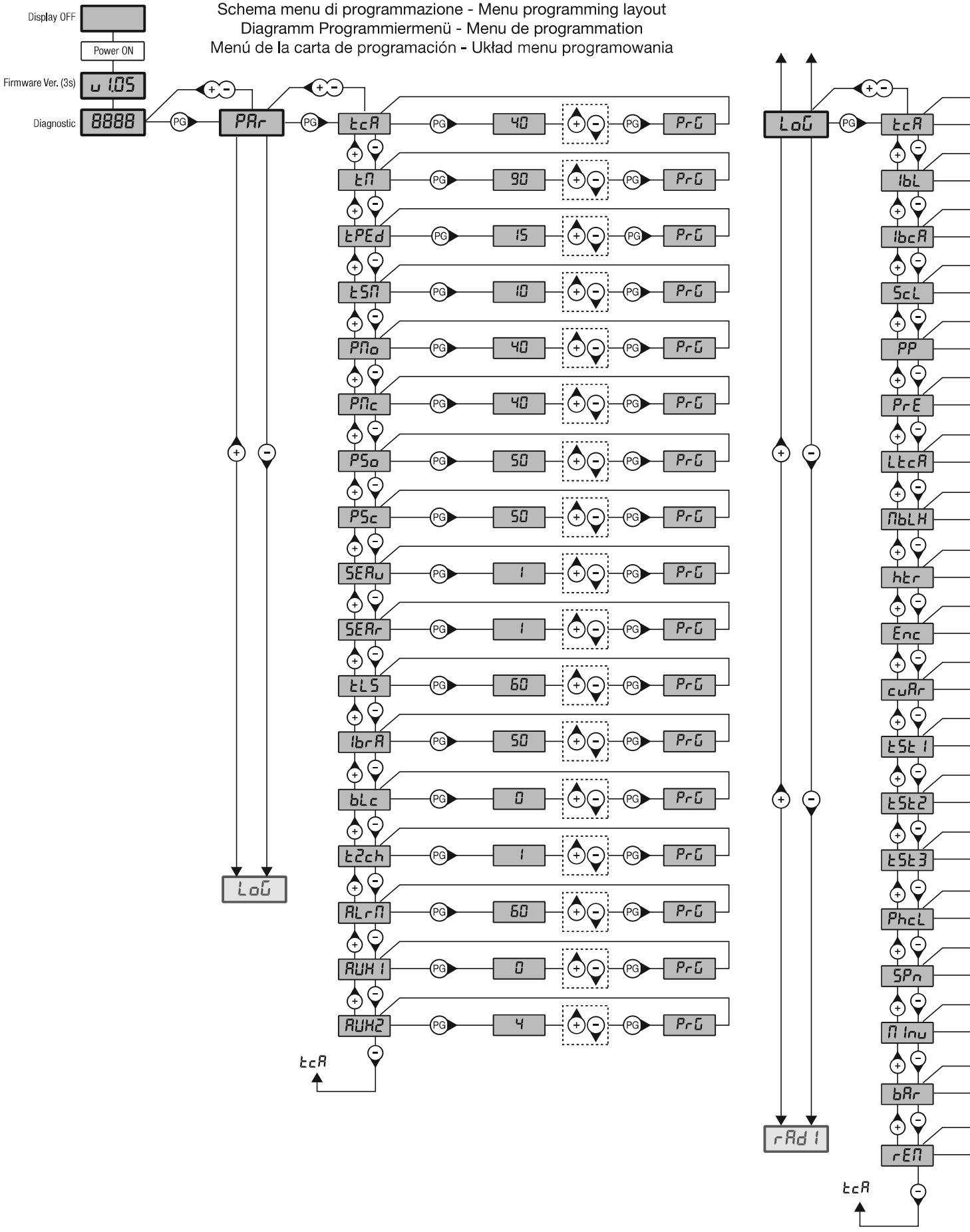


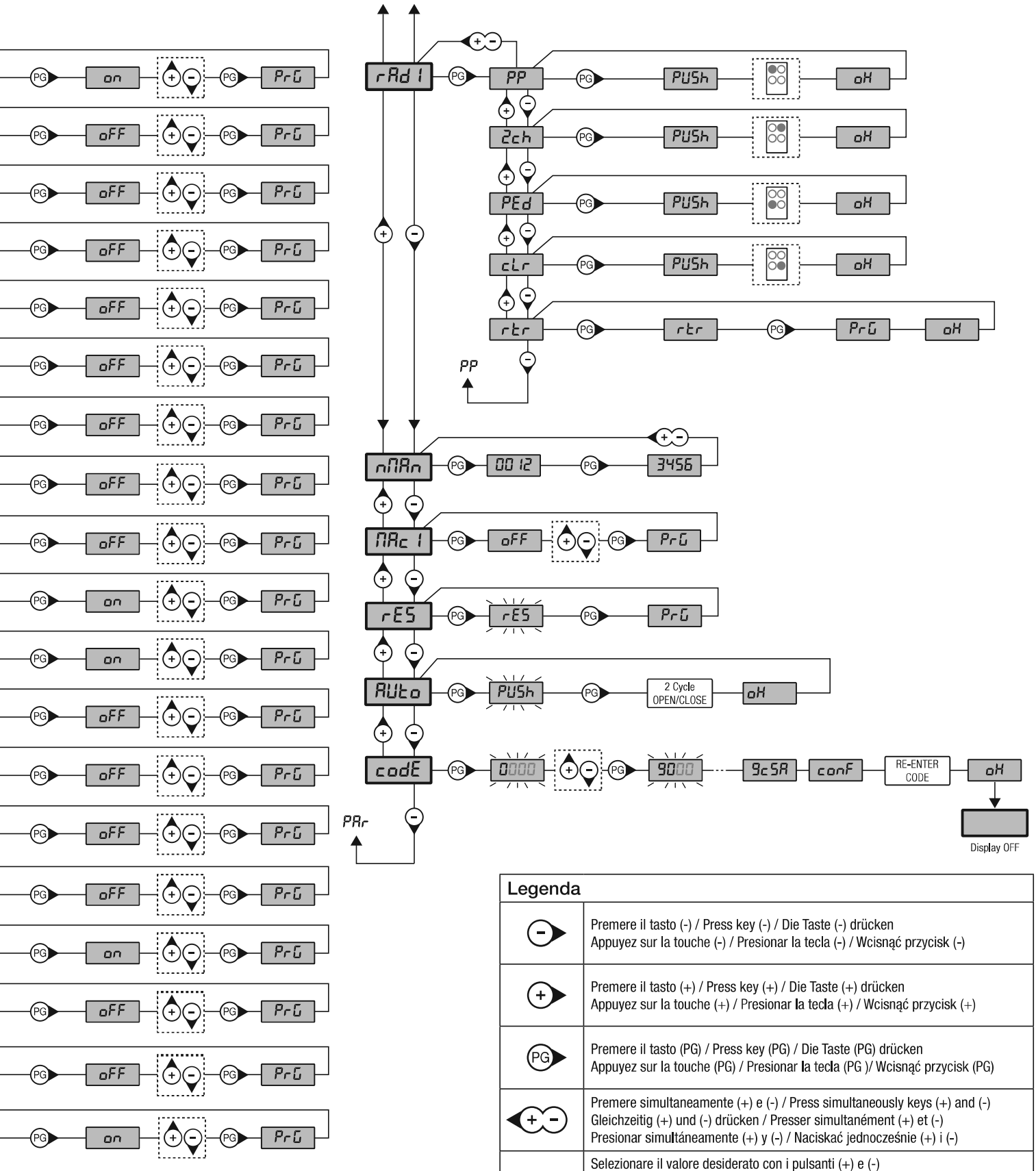
7

BAR-TEST


26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8
SC-RF
LD1
BZ
P
W2
W1
12/24
DEFAULT
BZ-W1-W2 CLOSE
12-24 OPEN
N.C.
N.C.
CH1 CH2 12/24V ANT TST
SHIELD
ANT
RF
J1
S1
RF.+ SUN PANEL J1 Close
RF J1 Open
LED 2
J2 DAS Close DAS 8K2
J2 DAS Open DAS N.C.
J2
1 2 3 4
(-) (+)
NOT USED
AUH2:4
tSt3: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 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.

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

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.

TECHNICAL DATA

Power supply	230 Vac 50/60 Hz
Output supply	1 motor 230Vac
Power maximum motor	1000 W
Output supply accessories	24Vdc 500mA max.
Protection level	IP54
Operating temp.	-20°C / +70°C
Radio receiver	433.92 MHz, built-in and configurable (rolling-code or fixed+rolling-code+ ARC Advanced Rolling Code)
Rolling code transmitters supported	64

1) CP.BULL-RI - CP.BISON OM - MATRIX CONTROL UNIT

1.1) INPUT/OUTPUT FUNCTIONS

Terminal No.	Function	Description
1-2	Power supply	Input, 230Vac 50Hz (1-Phase/2-Neutral)
3	GND	Ground connection. Use the connector preset on the fitting plate of the control unit. **Earthing is COMPULSORY, through this connection also the metal structure of motorization are grounded.**
4-5	Aerial	Antenna connection to integrated radio receiver. (4-signal/5-display).
8-9	24Vac	Output, power supply of accessories, 24VAC/1A max
10-11	AUX1	Output with voltage-free contact (24V/1Amax.) configurable via operating parameter AUX1.
12-13	AUX2	Output with voltage-free contact (24V/1Amax.) configurable via operating parameter AUX2.
14	COM	Common for control inputs.
15	OPEN	Input, push-button for OPEN contact (Normally Open contact) Contact usable for timed openings through timer.
16	CLOSE	Input, CLOSE push-button (N.O. contact)
17	Step-by-Step	Input, step-by-step push-button (N.O. contact)
18	PED	Input, pedestrian push-button (N.O. contact). It controls the partial opening. Configuration is through parameter tPEd. When TCA time has elapsed (if activated) a closure control signal is sent. It is possible to connect a timer for time-controlled opening.
19	COM	Common, for limit switches and safety devices
20	STOP	Input, STOP push-button (N.C. contact)
21	PHOT O	Input, (N.C. contact) for safety devices (e.g. photocells). In the closing phase: the contact opening causes the motor stop. Common: when the photocell is released, the motor inverts the movement direction (open). In the opening phase: the contact opening causes the motor stop. When the photocell is released, the motor re-starts the opening operation.
22	SWO	Input, OPEN limit switch (N.C. contact)
23	SWC	Input, CLOSE limit switch (N.C. contact)
24	PHOT C	Input (N.C. contact) for safety devices (e.g. photocells). In the closing phase: Configuration through PHCL Logic. In the opening phase: Configuration through PHC Logic.
25-26	DAS Sensitive edge	Contact input Sensitive edge. Resistive edge: Jumper 'DAS' closed Mechanical edge: Jumper 'DAS' open Tripping of the sensitive edge stops the sash movement and reverses for approx. 3s. If the sensitive edge is not used: Jumper 'DAS' open, jumper between terminals 25-26.
27-28-29	Motor	Connection of motor 230Vac - single-phase: 27-Phase/28-Common/29-Phase
27-30	Capacitor	Connection of capacitor
31-32	Blinker	Connection of blinker, 230Vac 40W max.
The control unit is equipped with an built-in radio module for the reception of variable code controls, with ARC (Advanced Rolling-Code) or fixed code, 433.92 MHz frequency.		

To check connections:

1) Cut-off power supply.
2) Manually release the wing, move it to approx. half-stroke and lock it again.
3) Reset power supply.
4) Send a step-by-step control signal by pressing the button or the remote control key.
5) The door/gate should move in the opening phase. Conversely, use the MINV logics to invert the opening direction.
6) Cut-off and restore power supply.

2) RUN SELF-LEARNING AND ANTI-CRUSHING DEVICE SETTING

When operator assembly and wiring is completed, parameters and logic are programmed, self learning allows the operator to learn the stroke and torque.
Enter menu Auto and press the button < PGM >, PUSH will be displayed.
Press again the button < PGM >: self-learning is beginning: PRG will be displayed, and the control panel completes some opening/closing cycles.
When the procedure is completed OK will be displayed.
This procedure can be followed from any position of the gate/door leaf and can be stopped at any moment by pressing keys <+> and <-> at the same time, or through the activation of STOP/PHOT O/PHOT C/DAS/PP/PED inputs.
If the procedure is not successful, the wording ERR appears. Check that no obstacles or frictions are present.

3) ARC COMPATIBLE CONTROL UNIT

IMPORTANT, PLEASE READ CAREFULLY:
The radio receiver in this product is compatible 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, but be aware that:
1) ARC transmitters and Rolling Code HCS can not be stored in a single receiver.
2) The first transmitter memorized determines the type of transmitters to be used later. If the first transmitter memorized is ARC, you can not store Rolling code HCS transmitters, and vice versa.
3) Fixed code transmitters may only be used in conjunction with Rolling code HCS transmitters, bringing the logic CVAR OFF. They are, therefore, not usable in combination with the ARC transmitters. If the first rolling code transmitter stored is an ARC CVAR the logic is inoperative.
4) If you want to change the type of transmitters it is necessary to proceed with a receiver reset.

4) 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.
Other special functions follow the parameters and logic menus and may vary depending on the type of control unit or the software release.

4.1) TO ACCESS PROGRAMMING

1 Press the button <PG>, the display goes to the first menu, Parameters “PAR”.
2 With the <+> or <-> button, select the menu you want (PAr>>LoG>>rAd Io>>nMAn>>rES)
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.

Notes:

Simultaneously pressing <+> and <-> from inside a function menu allows you to return to the previous menu without making any changes.
Simultaneously pressing <+> and <-> when the display is switched off shows the card software release.
Hold down the <+> key or the <-> key to accelerate the increase/decrease of the values.
After waiting 30s the control unit quits programming mode and switches off the display.

5) PARAMETERS, LOGIC AND SPECIAL FUNCTIONS

The tables below describe the individual functions available in the control unit.

5.1) PARAMETERS (PAr)

MENU	FUNCTION	MIN-MAX-(Default)	MEMO
tcA	Automatic closure time. It is activated only with “tcA”=ON logic. At the end of the preset time, the control unit controls a closure operation.	3-240-(40s)	
tM	Operating time. It is activated only with logics ENC : OFF. The operating time is adjusted during motor opening and closing phases.	1-250-(90s)	
tPEd	The passage left open by the gate leaf during the partial opening (pedestrian) is adjusted.	5-100-(15%)	
tSM	The area covered by the gate during the braking phase is adjusted. 0 = braking disabled.	0-100-(10%)	
PMo	The torque applied to the motor in the opening phase is adjusted.*	1-99-(40%)	
PMc	The torque applied to the motor in the closing phase is adjusted *.	1-99-(40%)	
PSo	The torque applied to the motor during braking in the closing phase is adjusted.*	1-99-(50%)	
PSc	The torque applied to the motor during braking in the opening phase is adjusted *	1-99-(50%)	
SEAu	The trigger time of the anti-crash device (Encoder) is adjusted during the normal speed phase*. 99: maximum sensitivity – 0: Minimum sensitivity	0-99-(1%)	
SEAr	The trigger time of the anti-crash device (Encoder) is adjusted during the braking phase*. 99: maximum sensitivity – 0: minimum sensitivity	0-99-(1%)	

tLS	Activated only with SErL:ON Logic. The activation time of the service light is adjusted.	1-240-(60s)	
ibrA	The force of the motor brake is adjusted. 0: disabled braking - 1:minimum braking - 99: maximum braking	0-99-(80%)	
bLc	Motor stop delay on limit switch. It is activated only with enabled braking (TSM). The motor stop delay is adjusted after the triggering of the limit switch. Use a value calibrated on the gate weight. Use these indicative values: 25 very heavy gates (longer delay) 18 heavy gates 10 average gates 1 light gates (short delay) 0 deactivated (no delay)	0-25-(0)	
t2ch	Only active when parameter AUX1/AUX2 is 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 - PHOT O - PHOT C - DAS - SWO+SWC) remains active for the set time. One of the AUX parameters must be set to 7 (Alarm output) Value in seconds.	10-240 (60s)	
AUX1	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, contact closed=alarm active) 7: NC input alarm output or card error (contact closed=alarm NOT active)	0 -7 - (0)	
AUX2	Same operating options as AUX1 output, but referred to AUX2 terminals.	0 -7 - (4)	

*** WARNING:**
An incorrect setting of these parameters may result in a danger.
Comply with regulations in force!

5.2) LOGICS (LoG)

MENU	FUNCTION	DEFAULT	MEMO
tcA	The automatic closure is enabled or disabled On: enabled automatic closure Off: disabled automatic closure	(ON)	
ibL	The multi-flat function is enabled or disabled. On: enabled multi-flat function. The P.P. (Step-by-step) impulse or the impulse of the transmitter have no effect in the opening phase. Off: disabled multi-flat function.	(OFF)	
ibcA	PP and PED controls are enabled or disable during the TCA phase. On: PP and PED control units are disabled. Off: PP and PED control units are enabled.	(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	The operating mode of “P.P. Push button” and of the transmitter are selected. On: Operation : OPEN > CLOSE > OPEN > Off: Operation: OPEN > STOP > CLOSE > STOP >	(OFF)	
PrE	Forewarning flashing light enabled or disabled. On: enabled forewarning flashing light. The flashing light is activated 3 s before the starting of the motor. Off: disabled forewarning flashing light.	(OFF)	
LtcA	During the TCA time, the blinker is enabled or disabled. On: Activated blinker. Off: De-activated blinker.	(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)	

htr	The Operator function is enabled or disabled. On: Operator function enabled. During operation, the OPEN/CLOSE push-buttons must be kept pressed. Off: Automatic operation.	(OFF)	
Enc	The Encoder is enabled or disabled. See section “Operating mode with enabled/disabled Encoder” On: Encoder enabled – The anti-crash sensor is activated. Off: Encoder disabled – The anti-crash sensor is deactivated.	(ON)	
cuRr	Enables or disables the programmable code transmitters. IMPORTANT: The transmitters with programmable code can only be used in conjunction with the Rolling Code HCS transmitters. On: Radio receiver enabled only for transmitters Rolling Code (ARC or HCS, the first transmitter sets the operating mode). Off: Receiver enabled for transmitters Rolling Code HCS and programmable (self-learning and dip/switch).	(ON)	
tSt 1	The test of photocells to PHOT O input is enabled or disabled. On: Test is enabled. If the test is negative, no operation is performed. Off: Test is disabled.	(OFF)	
tSt2	The test of photocells to PHOT C input is enabled or disabled. On: Test is enabled. If the test is negative, no operation is performed. Off: Test is disabled.	(OFF)	
tSt3	Enable or disable the BAR input TEST. The activation of the TEST function is only possible with the use of the articles SC.RF and RF / RF.SUN, consult the specific instructions. On: Test is enabled. If the test is negative, no operation is performed. See Fig.7 “BARTEST”. Off: Test is disabled.	(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)	
SPn	The pickup function is enabled or disabled. On: Enabled pickup. At the beginning of every operation, the motor operates at maximum torque for 2 sec. Off: Start-ups are at braked speed for 2 seconds. Then the system speeds up to standard speed.	(ON)	
n Inv	The opening direction of the motor is selected (see Fig. 4): On: Right side motor mount Off: Left side motor mount	(OFF)	
bAr	Changing the operating mode of the PHOT OPEN and BAR inputs in the event the sensitive edges are installed on the mobile opening and closure edges (see Fig.6). On: The PHOT OPEN 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 OPEN input re-starts functioning of the photocell active on opening.	(OFF)	
rEn	The remote storage of the radio transmitter codes is enabled or disabled (see par. REMOTE LEARNING). On: Enabled remote storage Off: Disabled remote storage.	(ON)	

5.3) RADIO (rAd I)

MENU	FUNCTION
PP	By selecting this function, the receiver is waiting for (Push) a transmitter code to be assigned to the step-by-step 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.
2ch	By selecting this function, the receiver is waiting for (Push) a transmitter code to be assigned to the second radio channel. 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.
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.

clr	By selecting this function, the receiver is waiting for (Push) a transmitter code to be erased from memory. 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.
rtr	The memory of the receiver is entirely erased. Confirmation for the operation is asked.

5.4) NUMBER OF CYCLES (nMAn)

The number of cycles (open+close) completed by the system is displayed.
When the push-button <PG> is pressed once, the first 4 digits are displayed, if the push-button is pressed once more, the last 4 digits are displayed.
E.g. <PG> 0012 >>> <PG> 3456: 123.456 cycles were performed.

5.5) MAINTENANCE (MAc i)

This function allows to activate the indication of maintenance required after a certain number of operations, preset by the installer.
To activate and select the number of operations, proceed as follows:
Press the <PG> button, OFF is displayed, indicating that the function is disabled (default).
Select one of the numbers shown (from OFF to 100) by using the <+> and <-> keys . The figures express the value of hundreds of cycles (e.g.: the number 50 means 5000 operations).
Press OK to activate the function. The PROG message is displayed.
When the flashing light flashes for around 10 sec at end of operation, this means that maintenance operations are needed.

5.6) RESET (rES)

RESET of the control unit. WARNING: Returns the control unit to the default values.
When the <PG> push-button is pressed once, the RES wording begins to flash, if the push-button<PG> is pressed once more, the control unit is reset.
Note: neither the transmitter codes nor the position and stroked of the gate leaf will be erased from the receiver.

5.7) AUTOSET (AUto)

The learning of the system stroke and the operating torque adjustment are carried out.
See paragraph SELF-LEARNING

5.8) 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 “OK” 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 the code from a protected control unit, enter the programming mode with the password and reset the code to the 0000 default value.
IF YOU LOOSE THE CODE, PLEASE CONTACT THE AUTHORISED SERVICE CENTER FOR THE TOTAL RESET OF THE CONTROL UNIT.

ATTENTION:
After any LOGIC change or control panel reset, it is necessary to perform a self-learning procedure (Menu Auto - See Stroke self learning)

6) OPERATING MODE WITH ENABLED/DISABLED ENCODER

With ENC LOGICS =ON:

- the anti-crash sensor is activated. Adjust sensitivity through parameters SEAV and SEAR in compliance with regulations in force.
An accurate adjustment of the motor brake (IBRA parameter) may help compliance with safety regulations as well.
- if braking is activated by setting parameter TSM from 0 to a higher value, it is necessary to perform a self-learning procedure.
Once the stroke is stored in memory, the control unit will manage braking automatically in both opening and closing phases. Braking can be increased or decreased through parameter TSM.
In the event of power failure, the stroke is constantly updated and stored in memory together with the gate position.

With ENC LOGICS =OFF:

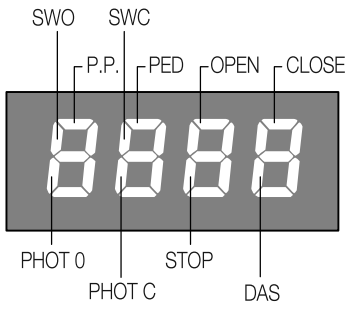
- the anti-crash sensor is disabled.
- if parameter TSM>0 (braking activated), the first operation is performed ad normal speed for the gate stroke memorisation, also in the event of power failure.

7) TRANSMITTER REMOTE LEARNING

If the transmitter code is already stored in the receiver, the remote radio learning can be carried out (without accessing the control unit). The REM logics must be ON.
IMPORTANT: The procedure should be carried out with gate in the opening phase, during the TCA dwell time.
Proceed as follows:
1 Press the hidden key of the transmitter, the code of which has already been stored in memory.
2 Within 5 seconds, press the already memorised transmitter key corresponding to the channel to be matched to the new transmitter. The flashing light switches on.
3 Within 10 seconds, press the hidden key of the new transmitter.
4 Within 5 seconds, press the key of the new transmitter to be matched to the channel selected at item 2. The flashing light switches off.
5 The receiver stores the new transmitter code and exits from the programming mode immediately.

8) DIAGNOSTICS

In the event of malfunctions, by pressing key + or - the status of all inputs (limit switches, control and safety) can be displayed. One segment of the display is linked to each input. In the event of failure it switches on according to the following scheme.



9) FUSES

F1 Protection fuse of transformer
F2 Output protection fuse of accessories and signals
F3 Output protection fuse for motor and blinker

10) ERROR MESAGES

Some messages that are displayed in the event of malfunctions are shown hereunder:

Err 1	Motor	Technical assistance is required.
Err4	Error, PHOT O circuit check	Check connections, alignment of PHOT O photocell or obstacle present.
Err5	Error, PHOT C circuit check	Check connections, alignment of PHOT C photocell or obstacle present.
Err6	DAS circuit check error	Check connections, operation of connected devices or presence of obstacles.
Enc	Error, encoder	Error to connection or faulty encoder.
AnP	Obstacle detection	An obstacle present is indicated (anti-crash device).

Dichiarazione di Conformità UE

Nome del produttore: Automatismi Beninca 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: CP.BULL-RI / CP.BISON OM / MATRIX

Tipo di prodotto: Centrale di comando 230Vac

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

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

Luogo e data:

Sandrigo, 09/12/2024

Firmato per conto di:

Luigi Beninca, 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

Manufacturer's name: Automatismi Beninca 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: CP.BULL-RI / CP.BISON OM / MATRIX

Type: Control box 230Vac

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

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

Place and date:

Sandrigo, 09/12/2024

Signed on behalf of:

Luigi Beninca, Responsabile legale

Technical documentation is handled by:

Giuliano Faccin, Responsabile tecnico
* Person authorised to draw up the technical documentation on behalf of the manufacturer.

EG-Konformitätserklärung (DOC)

Name des Herstellers: Automatismi Beninca SpA
Adresse: Via Capitello, 45
Postleitzahl und Stadt: 36066 - Sandrigo (VI) - Italia
Telefon: +39 0444 751030
E-mail: sales@beninca.it

Erklären Sie, dass der DOC unter unserer alleinigen Verantwortung ausgestellt wird und zu dem folgenden Produkt gehört:

Modell/Produkt: CP.BULL-RI / CP.BISON OM / MATRIX

Type: Steuerung 230Vac

Der Hersteller erklärt auf eigene Verantwortung, dass das oben genannte Produkt mit den Bestimmungen der folgenden Richtlinien übereinstimmt:

Richtlinie 2014/53/EU
Richtlinie 2011/65/EU

Die harmonisierten Normen und technischen Spezifikationen, die unten beschrieben werden, wurden angewandt:

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

Ort und Datum:

Sandrigo, 09/12/2024

Unterzeichnet im Namen von:

Luigi Beninca, Responsabile legale

Für die technische Dokumentation ist zuständig:

Giuliano Faccin, Responsabile tecnico
* Person, die befugt ist, die technischen Unterlagen im Namen des Herstellers zu erstellen.

Déclaration CE de conformité (DOC)

Nom du producteur : Automatismi Beninca SpA
Adresse: Via Capitello, 45
Ville et code postal: 36066 - Sandrigo (VI) - Italia
Téléphone: +39 0444 751030
E-mail: sales@beninca.it

Je déclare que le document est émis sous ma propre responsabilité et qu'il appartient au produit suivant :

Modèle/Type: CP.BULL-RI / CP.BISON OM / MATRIX

Type de produit: Centrale de commande 230Vac

Le fabricant déclare sous sa propre responsabilité que le produit mentionné ci-dessus est conforme aux dispositions des directives suivantes :

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

Les normes harmonisées et les spécifications techniques décrites ci-dessous ont été appliquées:

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

Lieu et date :

Sandrigo, 09/12/2024

Signé au nom de :

Luigi Beninca, Responsabile legale

La documentation technique est gérée par :

Giuliano Faccin, Responsabile tecnico
* Personne autorisée à établir la documentation technique au nom du fabricant.

Declaración CE de conformidad (DOC)

Nombre del productor: Automatismi Beninca SpA
Dirección: Via Capitello, 45
Ciudad y código postal: 36066 - Sandrigo (VI) - Italia
Teléfono: +39 0444 751030
E-mail: sales@beninca.it

Declaro que el documento se expide bajo mi propia responsabilidad y pertenece al siguiente producto:

Modelo/Tipo: CP.BULL-RI / CP.BISON OM / MATRIX

Tipo de producto: Central de mando 230Vac

El fabricante declara bajo su responsabilidad que dicho producto cumple las disposiciones de las siguientes directivas:

Directiva 2014/53/EU
Directiva 2011/65/EU

Han sido aplicadas las normas armonizadas y las especificaciones técnicas que se describen a continuación:

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

Lugar y fecha:

Sandrigo, 09/12/2024

Firmado en nombre de:

Luigi Beninca, Responsabile legale

La gestión de la documentación técnica corre a cargo de:

Giuliano Faccin, Responsabile tecnico
* Persona autorizada para redactar la documentación técnica en nombre del fabricante.

Deklaracja zgodności CE (DOC)

Nazwa producenta: Automatismi Beninca SpA
Adres: Via Capitello, 45
Kod pocztowy i miasto: 36066 - Sandrigo (VI) - Italia
Telefon: +39 0444 751030
Adres e-mail: sales@beninca.it

Oświadcza, że dokument został wydany na własną odpowiedzialność i dotyczy produktu:

Model/Typ: CP.BULL-RI / CP.BISON OM / MATRIX

Rodzaj produktu: Centralka sterowania 230Vac

Producent oświadcza na własną odpowiedzialność, że niniejszy produkt jest zgodny z postanowieniami następujących dyrektyw:

Dyrektywy 2014/53/EU
Dyrektywy 2011/65/EU

Zastosowano zharmonizowane normy i specyfikacje techniczne opisane poniżej:

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

Podpisano w imieniu:

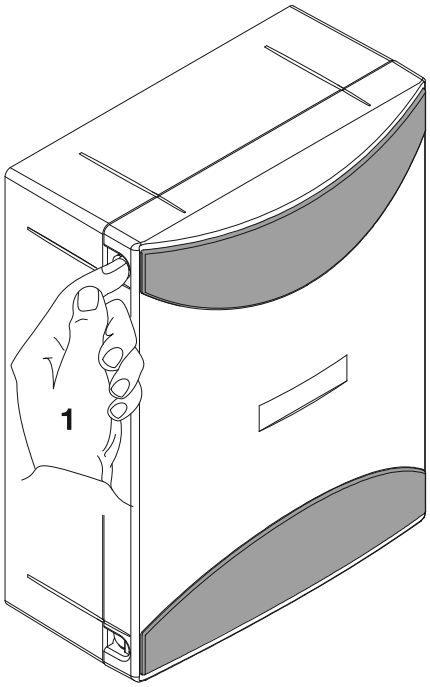
Sandrigo, 09/12/2024

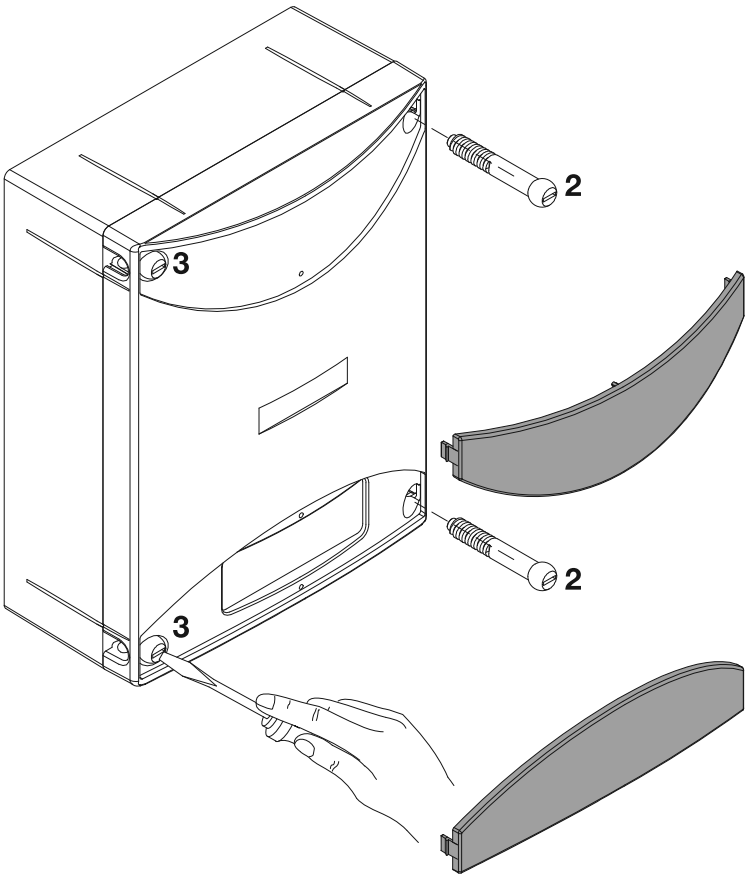
Podpisano w imieniu:

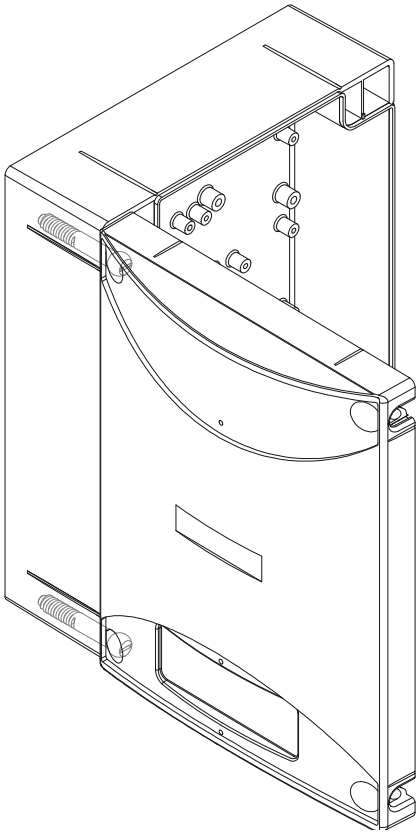
Luigi Beninca, Responsabile legale

Dokumentacja techniczna jest zarządzana przez:

Giuliano Faccin, Responsabile tecnico
* Osoba upoważniona do sporządzania dokumentacji technicznej w imieniu producenta.







1. Premere le alette sui fianchi per sganciare le due maschere copriviti.
2. Rimuovere le due viti sul lato di apertura desiderato.
3. Allentare le viti con funzione di cerniera senza rimuoverle, in modo da consentire l'apertura del coperchio.

1. Press the tabs on the sides to release the two masks that cover the screws.
2. Remove the two screws on the desired opening side.
3. Slacken the two screws that act as a hinge without removing them, so as to allow opening the cover.

1. Auf die seitlichen Laschen drücken, so dass die beiden Schraubenblenden befreit werden.
2. Die beiden Schrauben an der gewünschten Öffnungsseite ausbauen.
3. Zuletzt die beiden als Scharnier dienenden Schrauben lockern, aber nicht ausbauen, damit der Deckel geöffnet werden kann.

1. Presser les deux ailettes latérales pour décrocher les deux cache-vis.
2. Enlever les deux vis sur le côté d'ouverture désiré.
3. Desserrer les deux vis faisant fonction de charnière sans les enlever, de manière à permettre l'ouverture du convercle.

1. Presionar las aletas en los lados para desenganchar las dos tapas cubretornillos.
2. Extraer los dos tornillos del lado de apertura desaedo.
3. Afojar los dos tornillos con función de bisagra sin extraerlos, a fin de poder abrir la tapa.

1. Nacisnąć boczne klapki w celu odhaczenia dwóch masek nakry-wających śruby.
2. Wyciągnąć dwie śruby po wybranej do otwierania stronie.
3. Poluzować dwie śruby blokujące bez wyciągania ich, w sposób umożliwiający otwarcie nakrywki.

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www.beninca.com - sales@beninca.it