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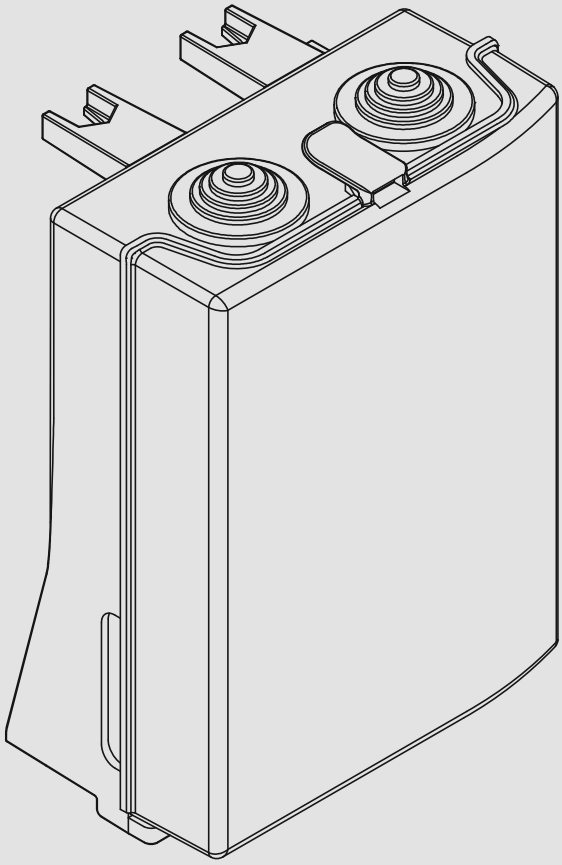
10/2022 rev 3

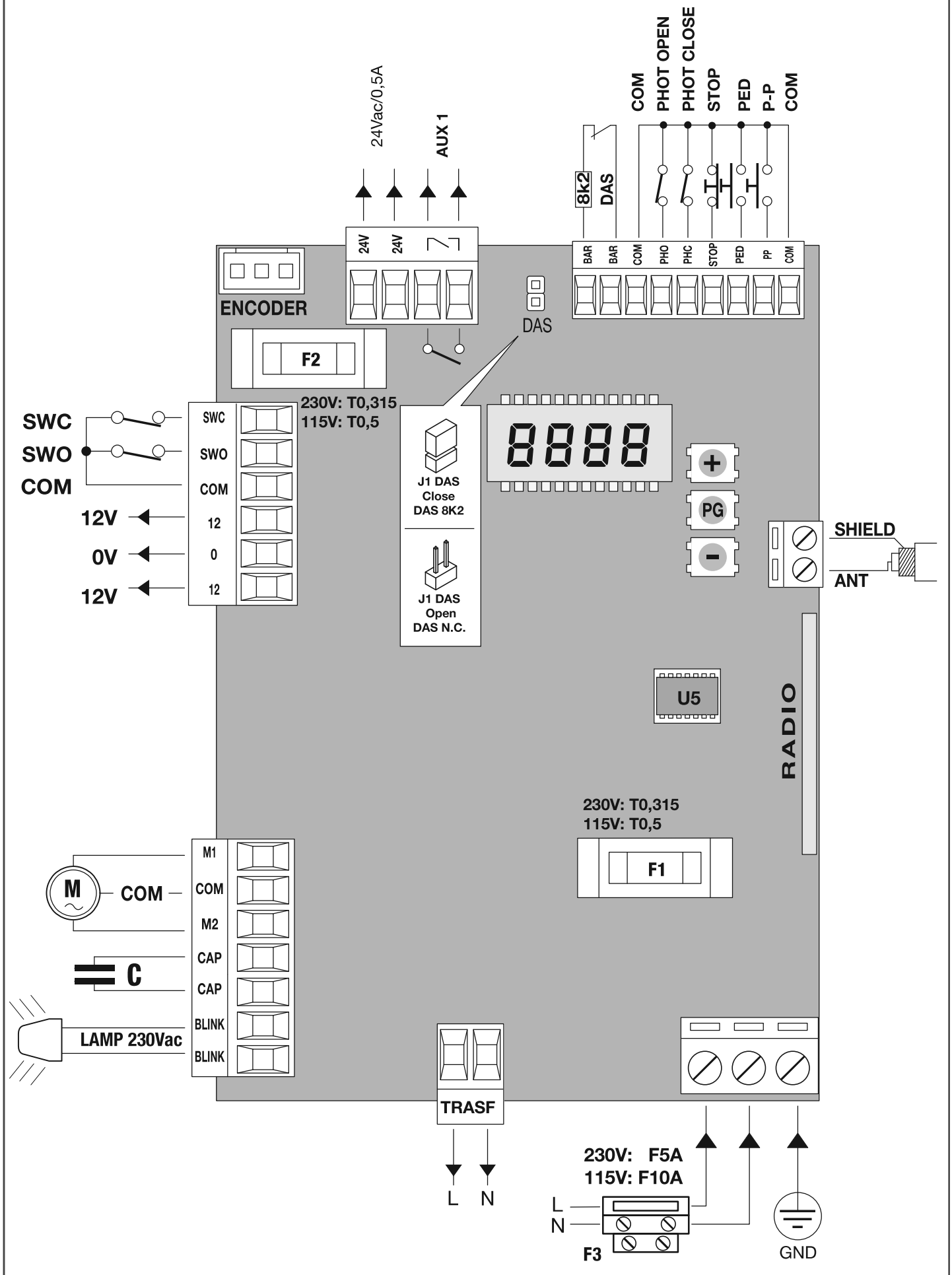
CP.BULL8 OM

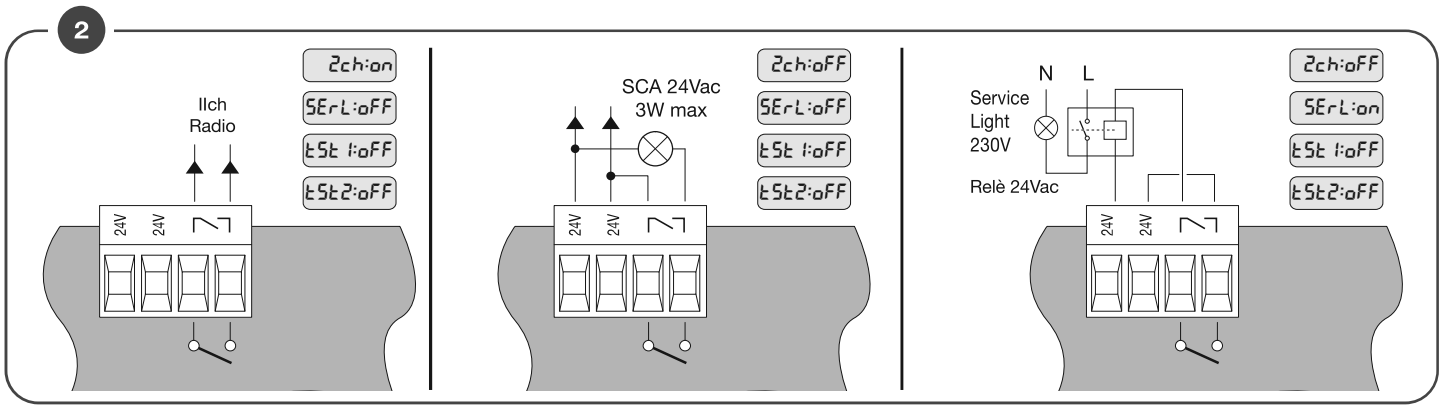


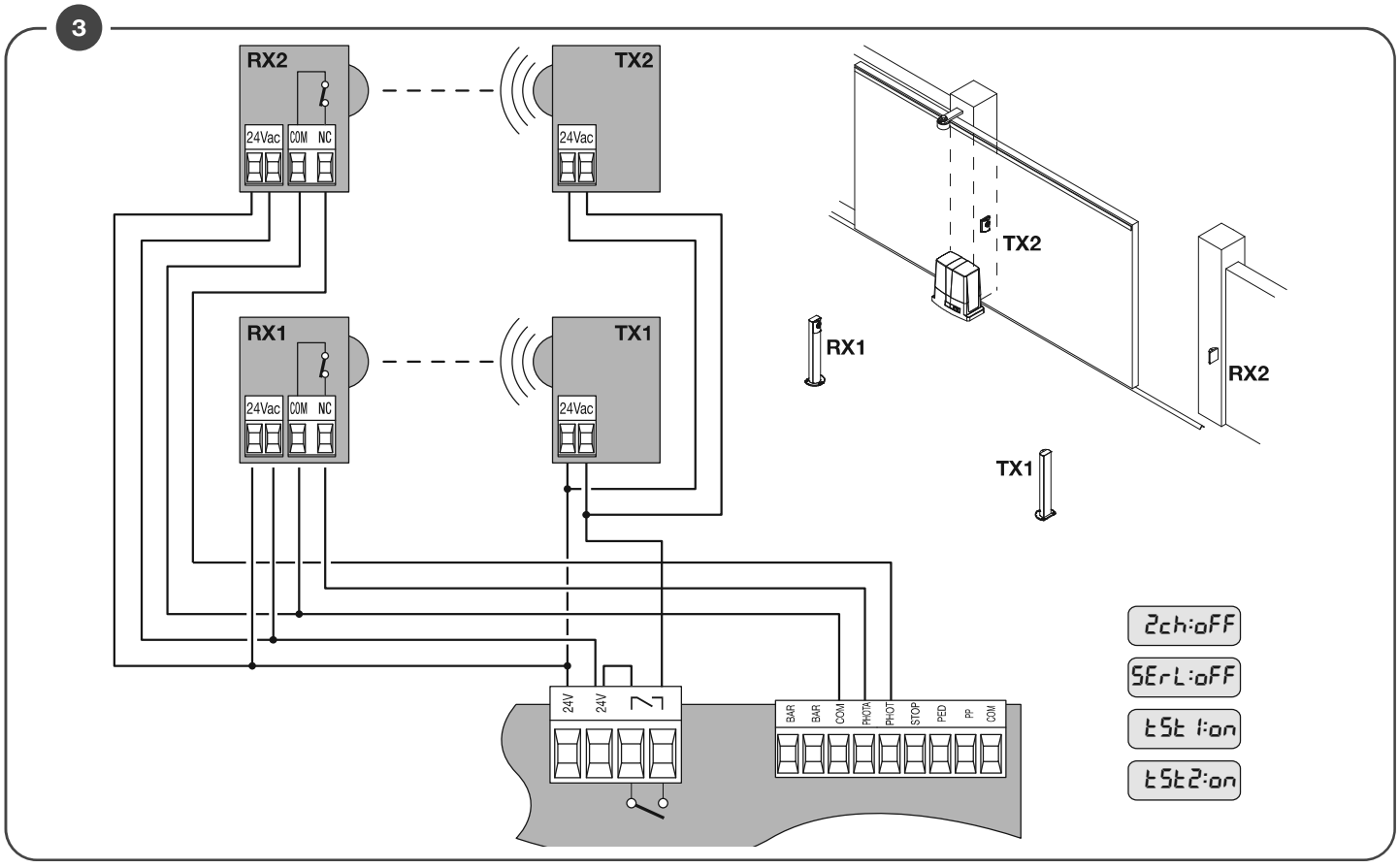
BENINCÀ®
TECHNOLOGY TO OPEN

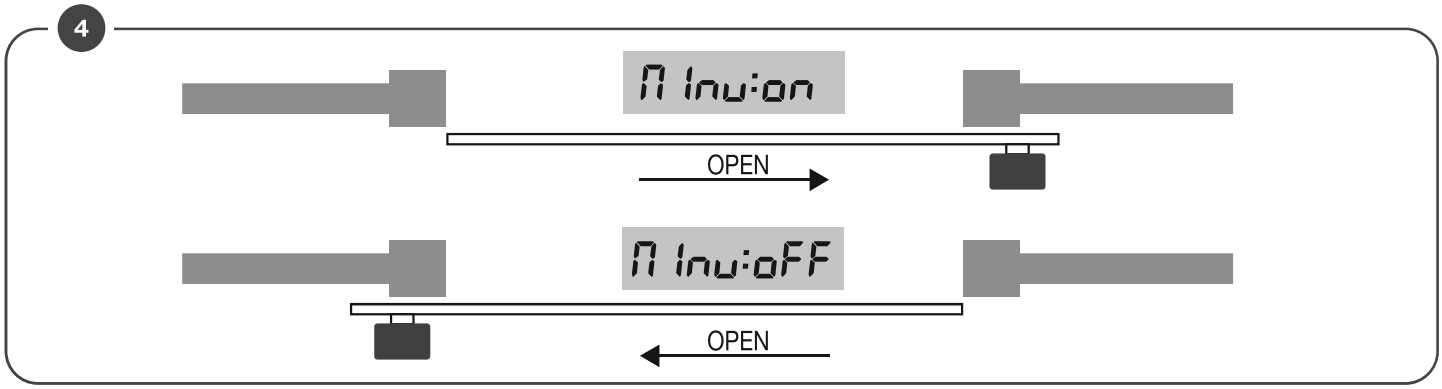
CE

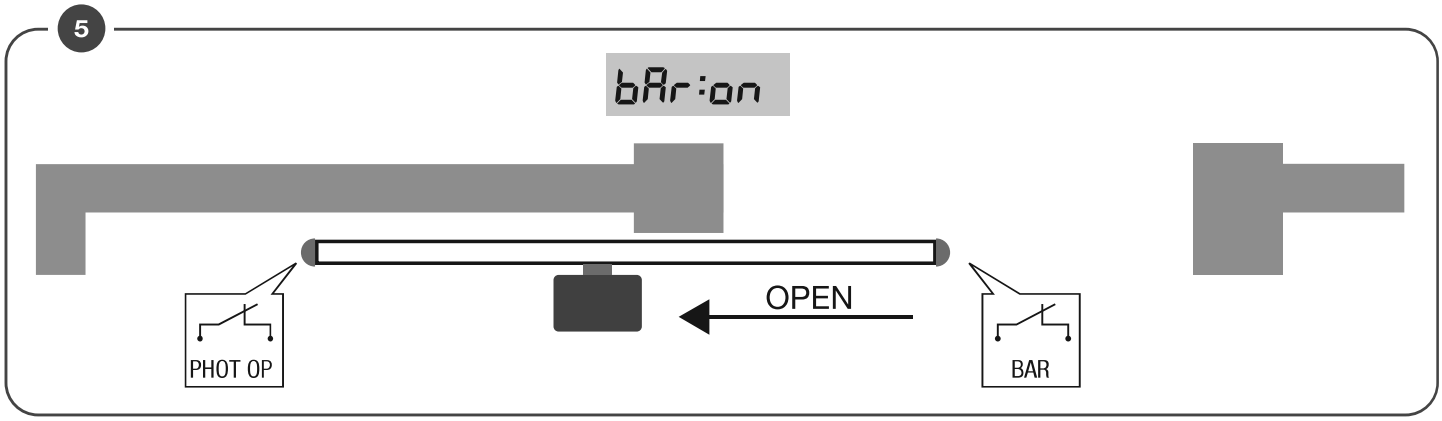
UNIONE NAZIONALE COSTRUTTORI
AUTOMATISMI PER CANCELLI, PORTE
SERRANDE ED AFFINI
UNAC


1
24Vac/0,5A
AUX 1
COM
PHOT OPEN
PHOT CLOSE
STOP
PED
P-P
COM
8k2
DAS
24V
24V
BAR
BAR
COM
PHO
PHC
STOP
PED
PP
COM
ENCODER
DAS
F2
230V: T0,315
115V: T0,5
SWC
SWO
COM
12V
0V
12V
SWC
SWO
COM
12
0
12
J1 DAS
Close
DAS 8K2
J1 DAS
Open
DAS N.C.
8888
+
PG
-
SHIELD
ANT
U5
RADIO
230V: T0,315
115V: T0,5
F1
M
COM
C
LAMP 230Vac
M1
COM
M2
CAP
CAP
BLINK
BLINK
TRASF
L
N
230V: F5A
115V: F10A
L
N
F3
GND


2
IIch
Radio
2ch:on
SErL:oFF
tSt 1:oFF
tSt2:oFF
24V
24V
SCA 24Vac
3W max
2ch:oFF
SErL:oFF
tSt 1:oFF
tSt2:oFF
N
L
Service
Light
230V
Relè 24Vac
2ch:oFF
SErL:on
tSt 1:oFF
tSt2:oFF

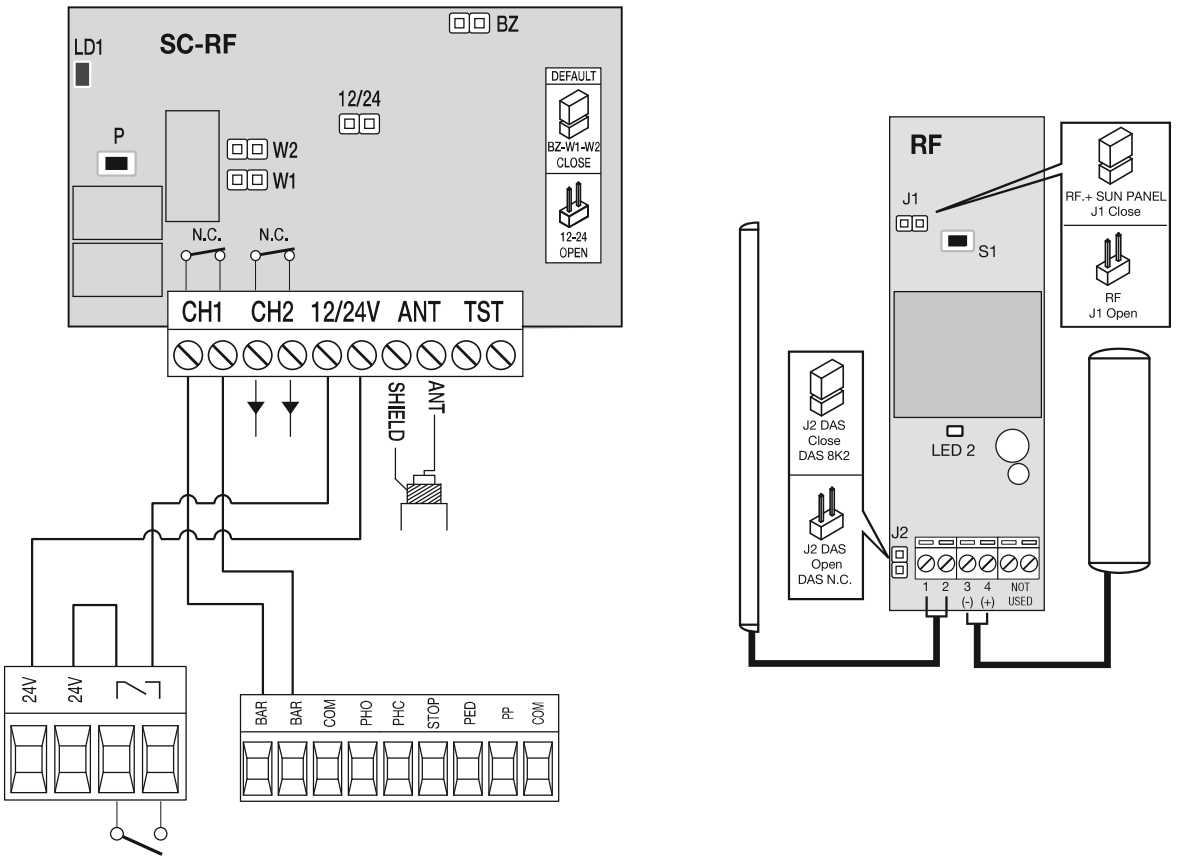

3
RX2
TX2
24Vac
COM
NC
RX1
TX1
TX2
RX1
RX2
TX1
BAR
COM
PHOT
STOP
PED
PP
2ch:oFF
SErL:oFF
tSt 1:on
tSt2:on


4
n 1nu:on
OPEN
n 1nu:oFF
OPEN

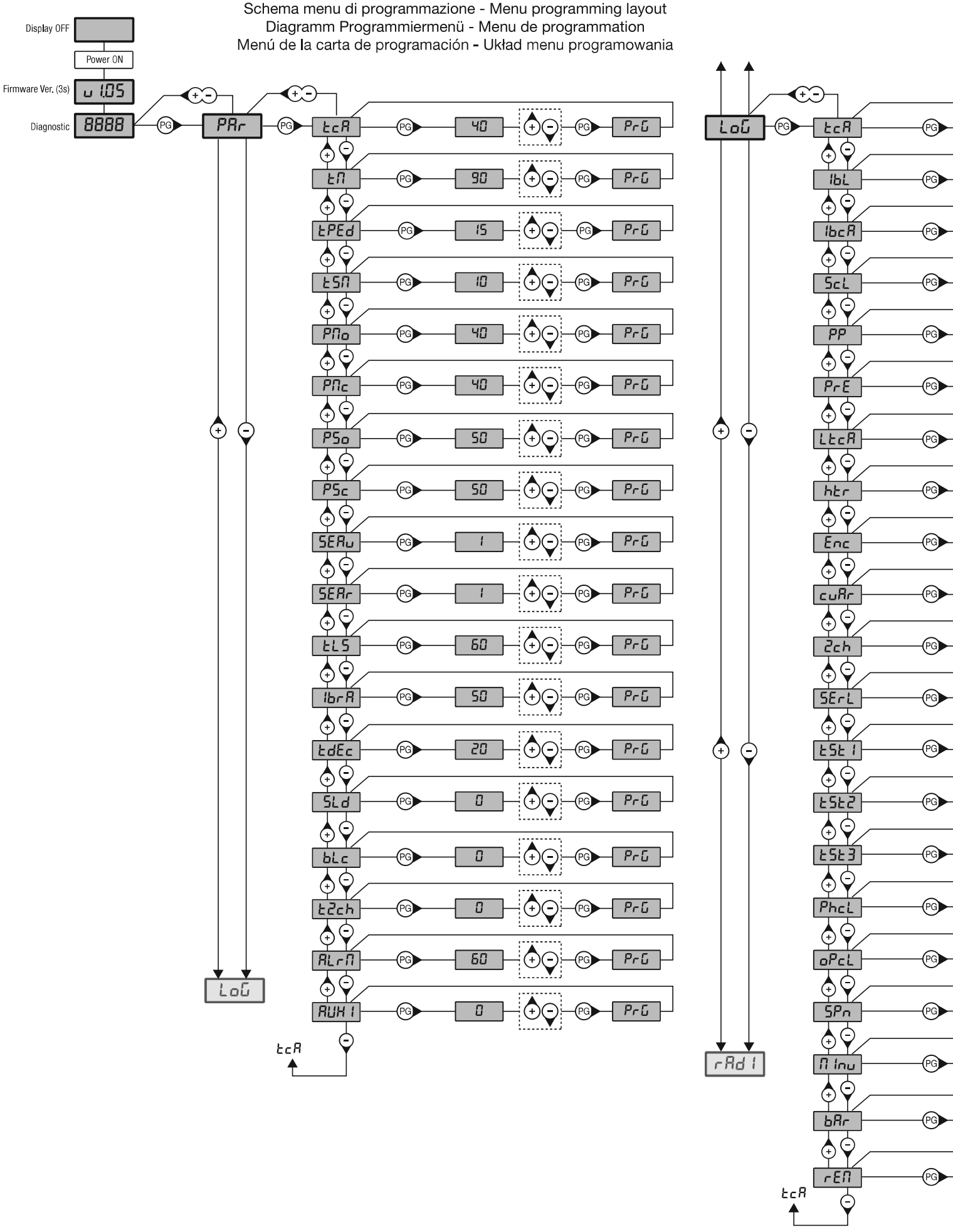

5
bAr:on
OPEN
PHOT OP
BAR

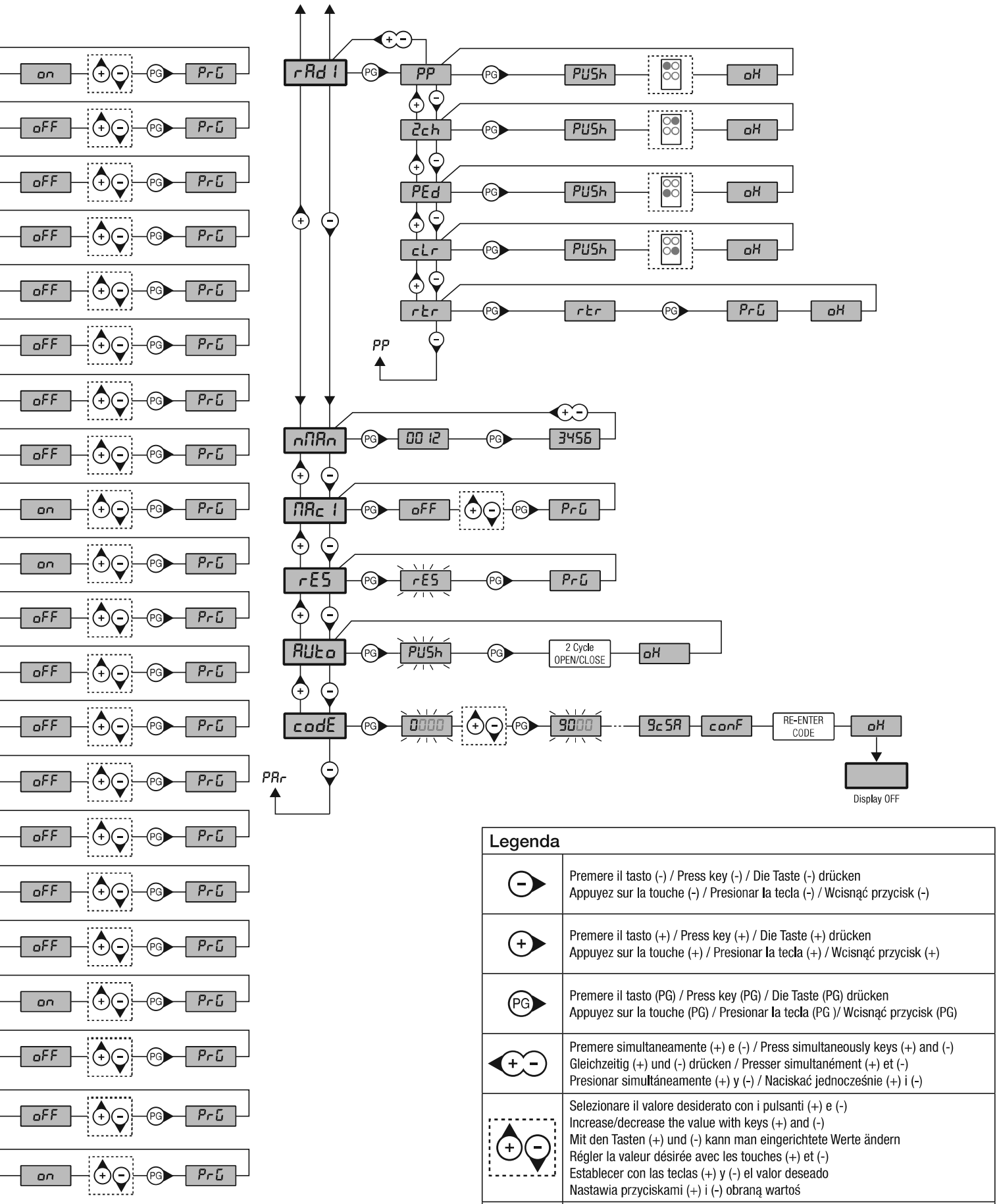
6

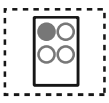
BAR-TEST


LD1
SC-RF
BZ
DEFAULT
12/24
P
W2
W1
BZ-W1-W2
CLOSE
N.C.
N.C.
12-24
OPEN
CH1 CH2 12/24V ANT TST
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
24V
24V
BAR
BAR
COM
PHO
PHC
STOP
PED
PP
COM

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

Contol unit supply	24 Vdc
Power supply	230 Vac 50/60 Hz or 115Vac 50/60Hz according to the version
Output supply	1 motor 230Vac
Power maximum motor	280 W
Output supply accessories	24Vac 500mA max.
Protection level	IP54
Operating temp.	-20°C / +50°C
Radio receiver	built in 433,92 MHz confgurabile (rolling-code or programmable + rolling-code)
N° Transmitters supported	64

1) CP.BULL8 OM CONTROL UNIT

1.1) WIRE DIAGRAM

Wire connections shown in Fig. 1 are described hereunder:

Terminals	Function	Description
L/N	Power supply	CP.BULL8 OM: Input, 230Vac 50Hz (L-Phase/N-Neutral) CP.BULL8 OM 115: Input, 115Vac 60Hz (L-Phase/N-Neutral)
GND	GND	Earth (compulsory)
ANT/SHIELD	Antenna	Connection antenna to the built-in receiver (ANT-signal/SHIELD-screen).
+12V	COMMON	Common for control inputs.
PP	Step-by-Step	Input, step-by-step push-button (N.O. contact) Presettable as Input, OPEN with OPCL logics. Contact usable for timed openings through timer.
PED	PEDESTRIAN	Input, pedestrian push-button (N.O. contact). It controls the partial opening, configurable through parameter TPED. At end of TCA time (if activated), closure control signal is sent. Presettable as Input, CLOSE with OPCL logics.
STOP	STOP	Input, STOP push-button (N.C. contact)
PHO/BAR O	PHOT O/BAR O	Input, (N.C. contact) for safety devices (e.g. photocells). During closure: if the contact is opened, the motor stops. With OPCL logics, when the photocell is no longer obscured, the motor reversion occurs (gate opens). During opening: if the contact is opened, the motor stops. with OPCL logics When the photocell is no longer obscured, the motor restarts opening. It can be modified in active edge input only when opening, bringing BAR=O-N logic. (see BAR logic).
PHA	PHOT C	Input, (N.C. contact) for safety devices (e.g. photocells). During closure: it can be preset by PHCL logics. During opening: it can be preset by PHCL logics.
+12V	COMMON	Common for control inputs.
BAR/BAR	SENSITIVE EDGE / SENSITIVE EDGE C	Input, sensitive edge contact Resistive edge: Jumper “DAS” closed Mechanical edge: Jumper “DAS” open If the edge is activated, the gate stops and a movement reversion occurs for about 3 sec. If the edge is not in use: Jumper “DAS” open, jumper between terminals BAR/BAR. It can be modified in active edge input only when closing, bringing the BAR=O-N logic. (see BAR logic).
	AUX1	Normally Open clean contact. The operating mode can be changed via parameter AUX1.
24Vac	24Vac	Output, power supply of accessories, 24Vac/500mA max
ENC1	ENCODER	Connector for connection of anti-crash sensor (ENCODER)
SWC	SWC	Input, CLOSE limit switch (N.C. contact)
SWO	SWO	Input, OPEN limit switch (N.C. contact)
COM	COM (+12V)	Common for limit switches.
12-0-12	Secondary	Connection of secondary winding of 24V transformer
M1/COM/M2	Motor	Motor connection, 230Vac – single phase: M1-Phase/ COM-Common/ M2-Phase
CAP/CAP	Capacitor	Connection to capacitor
FLASH/FLASH	Flashing light	Connection to flashing light, 230Vac 40W max.
TRASF	Primary	Connection to transformer primary winding
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.		

2) FUSES

F1 Protection fuse for motor and blinker
F2 Protection fuse of accessories and signals
F3 Protection of 230V/115V line

3) TO CHECK CONNECTIONS

Before programming the control unit, check that the motor is correctly connected:
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.
7) Perform a complete operation, from limit switch to limit switch, without stops, to allow for the gate stroke memorisation.

4) STROKE LEARNING

For a correct operation of braking (with SLD logic: ON) it is essential that the stroke is memorised. This can be performed either using the above described AUTO function or when the first operation is completed (then carried out without interruptions) from open limit switch to close limit switch (or viceversa).
During the stroke learning the activation threshold values of the PMO and PMC anti-crash sensor and, if a slowing down is required, the PSO and PSC values, are also calculated.
However, these values can be manually modified at a second time.
If the encoder is activated, the position of the gate leaf is stored in memory and reset also in case of power failure.
If the encoder is disabled, in case of power failure a new complete operation will be required to memorise the stroke and reset braking.
Note: If the automatic system is released and manually operated, the following operation might not perform braking correctly. Also in this case a new complete operation will be required to reset the regular operation of the system.

5) 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.

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.
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) 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.

USE OF PROGRAMMING KEYS
Press <PG> key to gain access to the Main Menu. These keys can be selected by pressing + and – keys.
• If <+> is pressed, the Function Menu can be scrolled from top to bottom.
• If <-> is pressed, the Function Menu can be scrolled from bottom to top.
• If <PG> key is pressed, presetting to be modified can be entered.
• The preset values can be modified by using <+> and <-> keys.
• The value is programmed if <PG> key is pressed again. The word “PRG” appears on the display.
See paragraph “Programming Example”.

NOTES:

Simultaneously pressing <+> and <-> from inside a function menu allows you to return to the previous menu without making any changes.
If the push-button <-> is pressed with display off, this is like giving a step-by-step control.
When the board is switched on, the software version is displayed for around 5 sec
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.

8) PARAMETERS, LOGICS AND SPECIAL FUNCTIONS

In the tables hereunder the single functions available in the control unit are shown.

8.1) 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. The operating time is adjusted at normal speed during motor opening and closing phases.	1-250-(90s)	
tPEd	The area covered by the gate during its partial opening movement (pedestrian) is adjusted.	50-100-(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 intervention threshold of the anti-crashing device (Encoder) during the phase at normal speed is adjusted.* 99:maximum sensitivity - 0: minimum sensitivity	0-99-(1%)	
SEAr	The intervention threshold of the anti-crashing device (Encoder) during braking is adjusted *. 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-(50%)	
tdEc	Sets the pause time when switching from normal to slow speed.	0-99 - (20)	
SLd	Imposta il tipo di rallentamento 0=rallentamento normale 1=rallentamento con coppia maggiorata	0-1 - (0)	
bLc	Sets the type of deceleration 0=normal deceleration 1=slowering with increased torque	0-25-(0)	
t2ch	Sets the activation time of the second radio channel output Value settable from 0 to 250. 0: Bistable 1-250: time in seconds The AUX parameter must be:1	0-250 - (0)	
ALrM	Sets the alarm output activation time when an input remains active for the set time. Value can be set from 10 to 240 s. The AUX parameter must be:7	10 - 240 - (60)	
AUX 1	Sets the operating mode of the AUX output 0: SCA output. The light is off when the door is closed, flashes when the door is moving, is on when the door is open. 1: 2ch output. The output is controlled by the radio channel of the built-in receiver (see RADIO menu). 2: courtesy light output the (activation time is set by parameter TLS) 3: Zone light output. The contact closes for the duration of the TCA. 4: accessory power supply output (for .photocell verification - coast, 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 - (0)	

*** WARNING: An incorrect setting of these parameters may cause danger. Please comply with regulations in force!**

8.2) LOGIC (LoG)

MENU	FUNCTION	ON-OFF-(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	During the TCA phase, the PP and PED controls are enabled or disabled. When activated the logic function OPCL must be OFF. On: PP and PED controls are disabled. Off: PP and PED controls 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)	
htr	Enables or disables the hold to run function. OPCL must be ON. On: hold to run function enabled. During operation, the OPEN/CLOSE push-buttons must be kept pressed for all the stroke. Off: Automatic functioning.	(OFF)	
Enc	The Encoder is enabled or disabled. On: Encoder enabled. Off: Encoder disabled.	(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	Check of photocells on PHOT O input is enabled or disabled. On: check is enabled. If check is not successful, no operation is enabled. Off: AUX output can be preset as SCA, or by 2CH, SERL and TST2 logics.	(OFF)	
tSt2	Check of photocells on PHOT C input is enabled or disabled. On: check is enabled. If check is not successful, no operation is enabled. Off: AUX output can be preset as SCA, or by 2CH, SERL and TST1 logics.	(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.6 “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)	
oPcL	PP input as OPEN and PED input as CLOSED are enabled or disabled. On: PP input is enabled as OPEN and PED input is enabled as CLOSE. Off: PP and PED inputs are enabled with their function.	(OFF)	
SPn	Enables or disables starting torque function. On: Starting torque enabled. At the start of each manoeuvre for 2s the motor operates at maximum torque. Off: Starting is performed at reduced speed for 2s and then movement is restored to normal speed.	(ON)	
n Inu	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.5). 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)	

8.3) RADIO (rAd)

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 pedestrian opening function (see TPED parameter). 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. By selecting this function, the receiver waits for (Push) the GPM key to be pressed again to confirm the operation. At end of erasing, the OK message is displayed
Note: The transmitters are stored in an EPROM memory (Fig.1 -U5), which can be removed and repositioned in a new control unit, it required.	

8.4) 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> 0012 >>> <PG> 3456: made 123.456 cycles.

8.5) MAINTENANCE CYCLES (MAn)

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.

8.6) 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.
All the logics and all the parameters are brought back to default values, it is therefore necessary to repeat the autoset procedure.

8.7) AUTOSET (AUto)

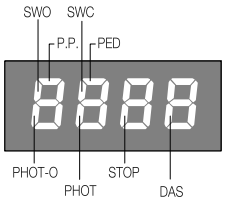
The self-calibration of the triggering thresholds of the anti-crash device, as well as the stroke learning are performed.
When the <PG> push button is pressed once, the PUSH wording starts flashing. If the <PG> button is pressed once more the self-calibration procedure starts and the PRG wording is displayed. The gate will carry out at least 2complete operations. At the end of this procedure, OK is displayed. This procedure can be performed with the gate in any position.
The self-calibration procedure can be stopped at any moment with the contemporary pressure of <+> and <->. If the procedure has no positive result (or if ENC=OFF), the Err message is displayed.

8.8) PROTECTION CODE (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 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.

9) 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.

N.C. inputs are represented by the vertical segments. N.O. inputs are represented by the horizontal segments.

10) REMOTE COPY OF TRANSMITTER CODES

If a transmitter code is already stored in the receiver, the radio remote copy can be carried out (without accessing to the control unit).
IMPORTANT: This procedure should be performed with gate leaves open, during the TCA dwell time. Proceed as follows:
1 Press the hidden key of the already memorised transmitter.
2 Within 5 seconds, press the key of the already memorised transmitter which corresponds to the channel to be matched with the new transmitter code. The flashing light switches on.
3 Within 10 sec, press the hidden key of the new transmitter.
4 Within 5 sec, press the key of the new transmitter to be matched to the channel selected at point 2. The flashing light switches off.
5 The receiver memorises the new transmitter and exits immediately the programming mode.

11) ERROR MESSAGES

The control unit checks the correct operation of the safety devices. In the event of faults the following messages can be displayed:

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.
Enc	Error, encoder	Error to connection or faulty encoder.
AMP	Obstacle detection	An obstacle present is indicated (anti-crash device).

EU Certificato di Conformità (DOC)

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: CP.BULL8 OM

Tipo di prodotto: Centrale di comando 230Vac

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
50581:2012

Organismo notificato (se applicabile):

Ulteriori informazioni:

Firmato per conto di:
Sandrigo, 25/02/2021 Luigi Benincà, Responsabile legale

EU Declaration of Conformity (DOC)

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: CP.BULL8 OM

Type: Control box 230Vac

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

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
50581:2012

Notified body (where applicable):

Additional information:

Signed for and on behalf of:
Sandrigo, 25/02/2021 Luigi Benincà, Responsabile legale

EG-Konformitätserklärung (DOC)

Name des Herstellers: Automatismi Benincà SpA
Adresse: Via Capitello, 45
Codice postale e Città: 36066 - Sandrigo (VI) - Italia
Telefon: +39 0444 751030
E-mail: sales@beninca.it

Erklärt, dass das Dokument unter alleiniger Verantwortung herausgegeben wurde und zu dem folgenden Produkt ge-hört:MM

Modell/Produkt: CP.BULL8 OM

Type: Steuerung 230Vac

Das oben genannte Produkt stimmt mit den Vorschriften der folgenden Richtlinien überein:

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
50581:2012

Benannte Stelle (falls zutreffend):

Weitere Informationen:

Unterzeichnet für und im Auftrag von:
Sandrigo, 25/02/2021 Luigi Benincà, Responsabile legale

Déclaration CE de conformité (DOC)

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

Nous déclarons que le document est délivré sous notre propre responsabilité et qu'il appartient au produit suivant:

Modèle/Type: CP.BULL8 OM

Type de produit: Centrale de commande 230Vac

Le produit mentionné ci-dessus est conforme aux dispositions établies par les 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
50581:2012

Organisme notifié (le cas échéant):

Plus d'informations:

Signé pour et au nom de:
Sandrigo, 25/02/2021 Luigi Benincà, Responsabile legale

Declaración CE de conformidad (DOC)

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

Declara que el documento ha sido emitido bajo la propia responsabilidad y pertenece al siguiente producto:

Modelo/Tipo: CP.BULL8 OM

Tipo de producto: Central de mando 230Vac

El producto indicado arriba cumple con las disposiciones establecidas por 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
50581:2012

Organismo notificado (en su caso):

Más información:

Firmado en nombre de:
Sandrigo, 25/02/2021 Luigi Benincà, Responsabile legale

Deklaracja zgodności CE (DOC)

Nazwa producenta: Automatismi Benincà 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.BULL8 OM

Rodzaj produktu: Centralka sterowania 230Vac

Wyżej wskazany produkt spełnia wymagania dyrektyw:

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

Uwzględniono normy zharmonizowane i zastosowano niżej wskazane specyfikacje techniczne:

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
50581:2012

Jednostka notyfikowana (stosownych przypadkach):

Dodatkowe informacje:

Podpisano w imieniu:
Sandrigo, 25/02/2021 Luigi Benincà, Responsabile legale

BENINCÀ

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