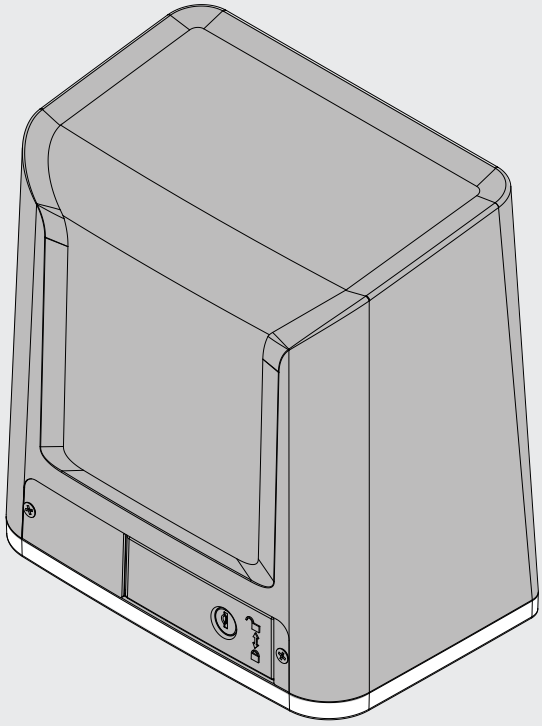
02/2026 rev.1

WOLF424
WOLF624

IT EN DE FR ES PL



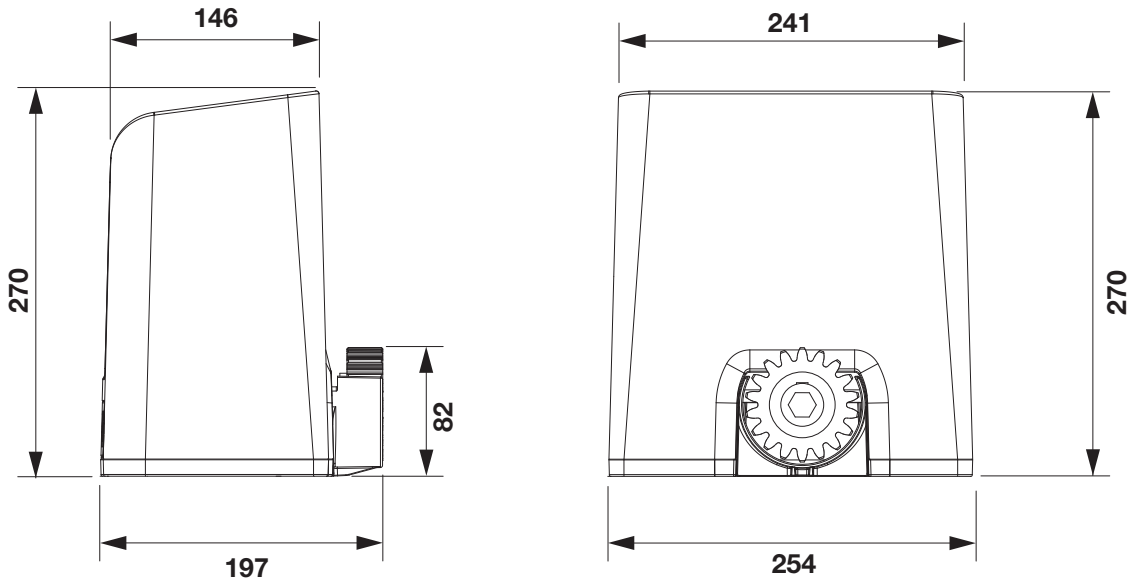
Manuale di installazione, uso e manutenzione
Installation, User and Maintenance Manual
Handbuch für Installation, Betrieb und Wartung
Manuel d'installation, d'utilisation et d'entretien
Manual de instalación, uso y mantenimient
Instrukcja instalacji, obsługi i konserwacji o

BENINCA®
TECHNOLOGY TO OPEN

CE UKCA

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

1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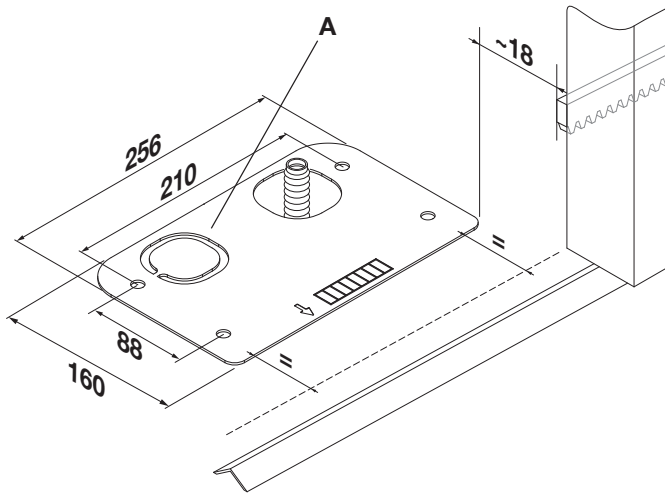
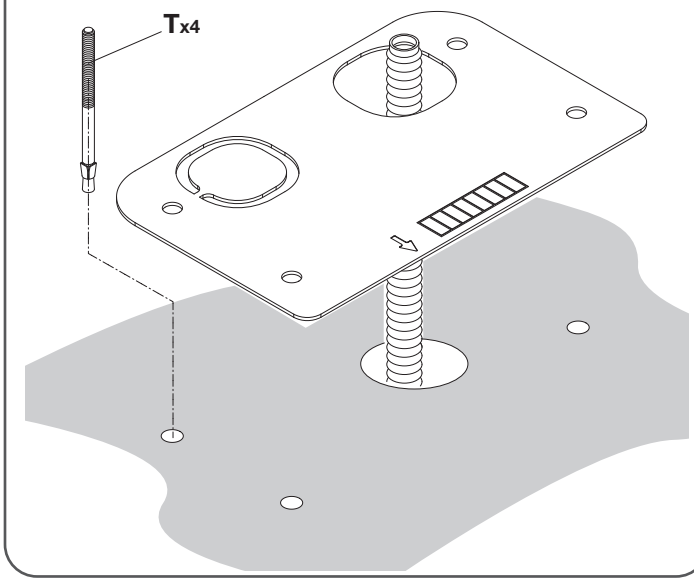
270
82
197
241
270
254

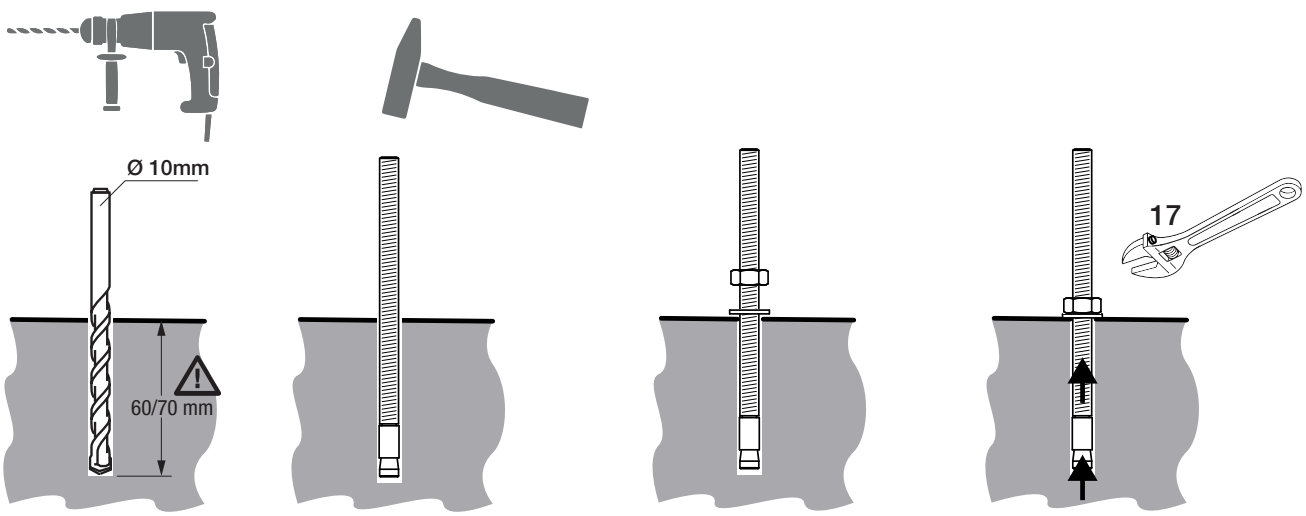
2


A
~18
256
210
88
160

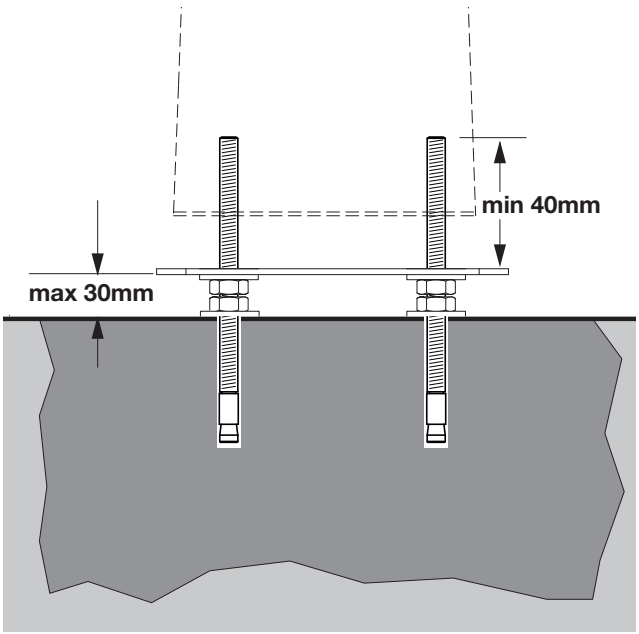
3


Tx4

4


Ø 10mm
60/70 mm
17

5



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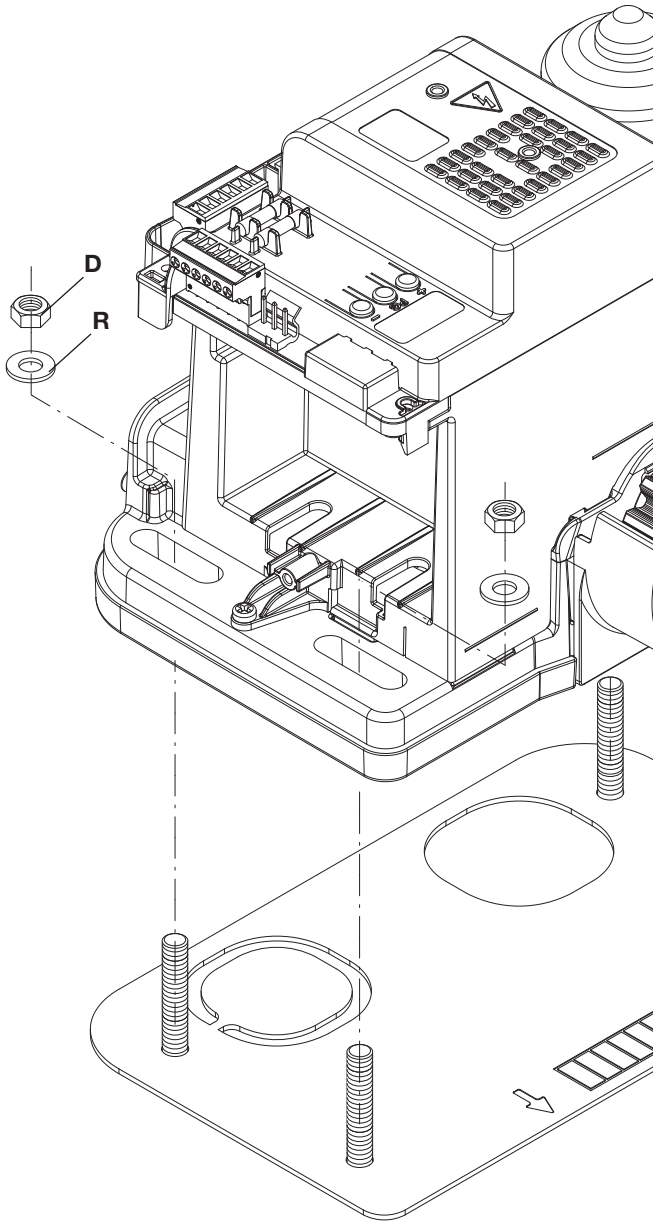

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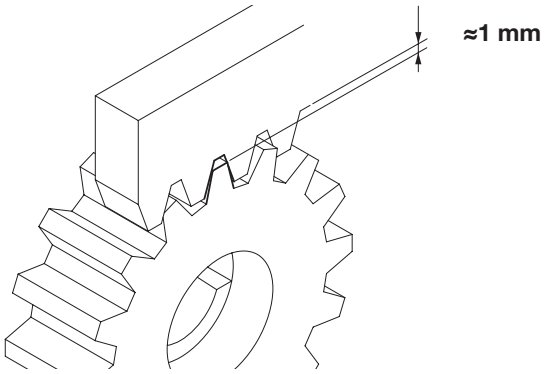

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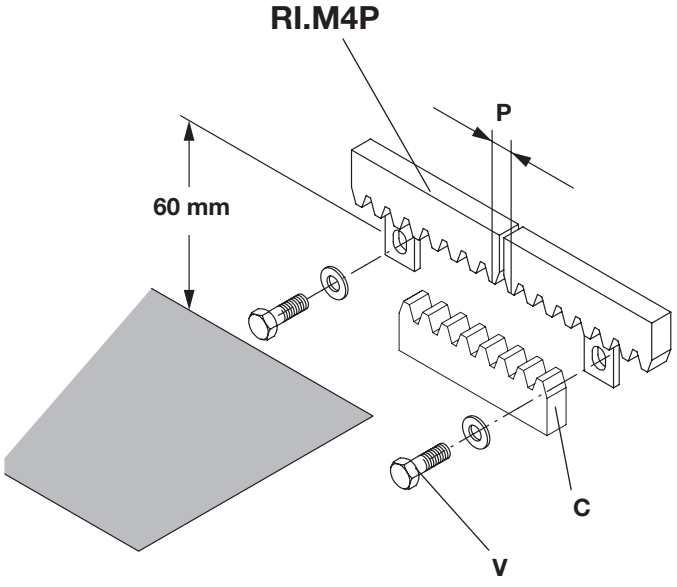

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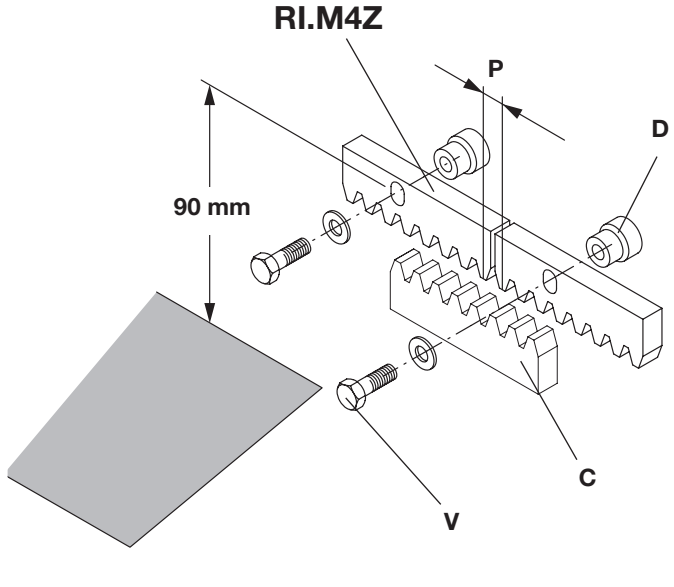

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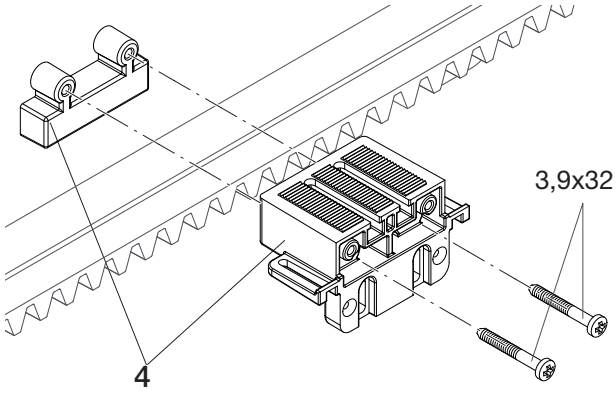
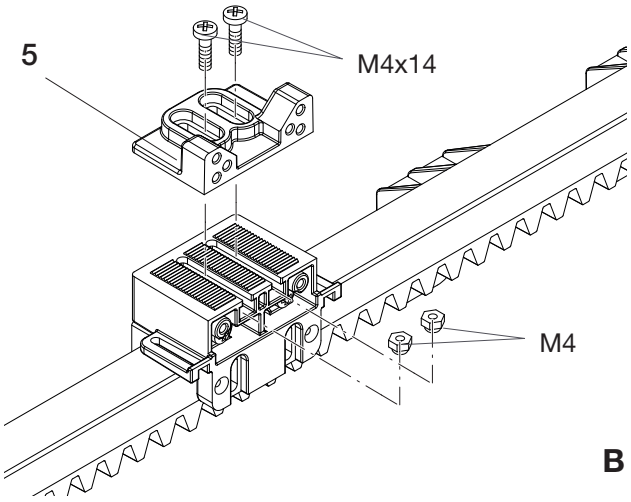
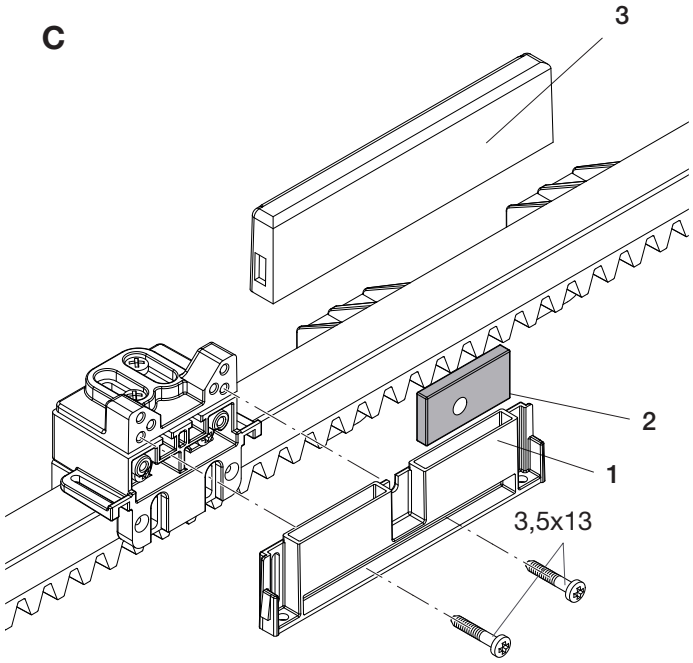

3,9x32
4

A

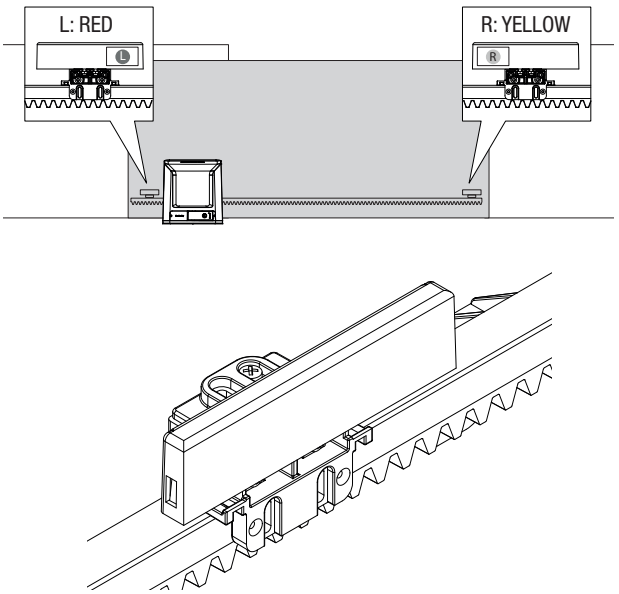

5
M4x14
M4

B

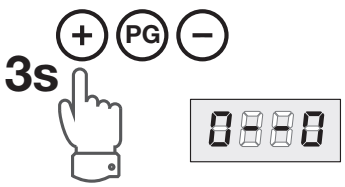
C

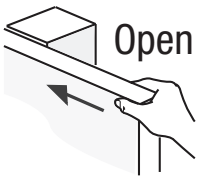

3
2
1
3,5x13

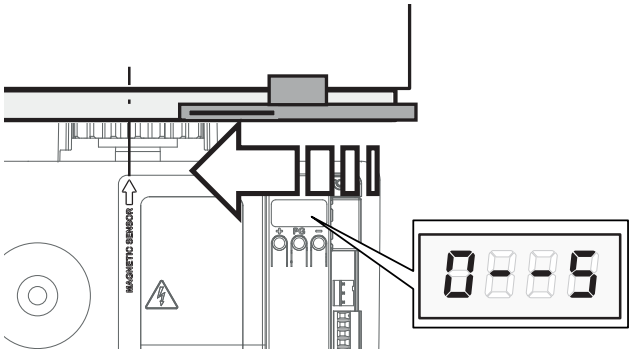
D

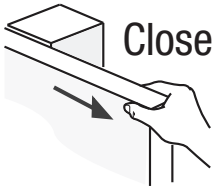

L: RED
R: YELLOW

11


3s
PG
0 1 0


Open


MAGNETIC SENSOR
0 - 5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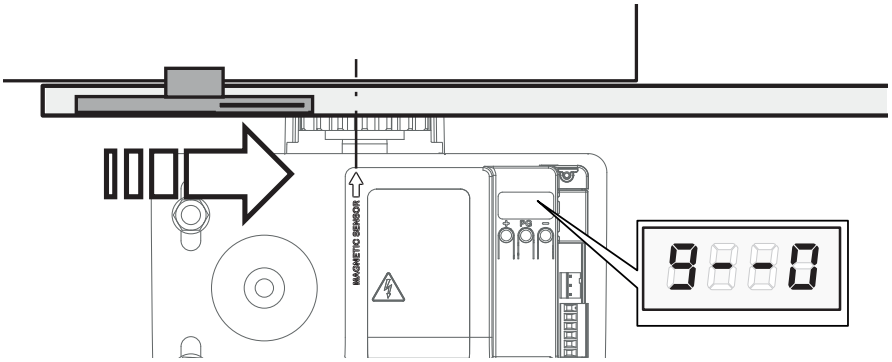
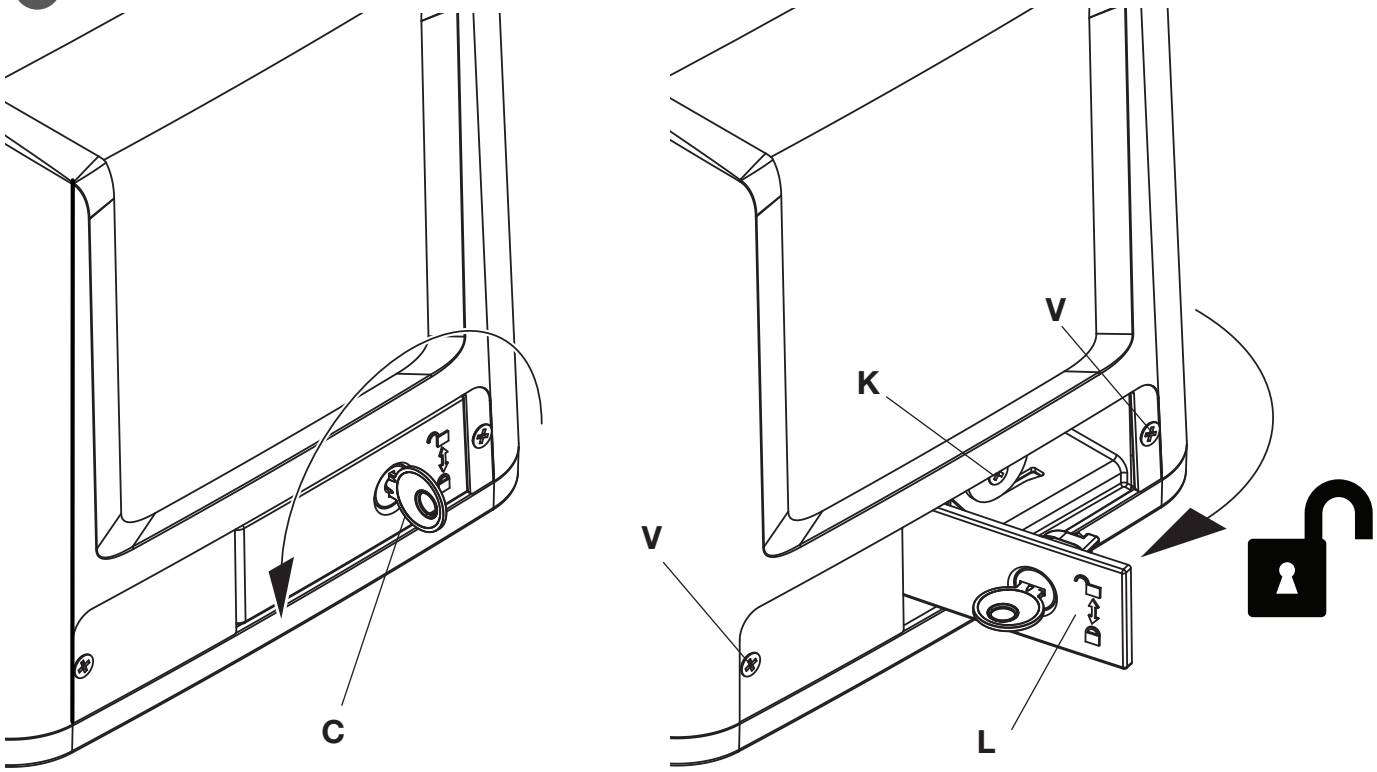

MAGNETIC SENSOR
9 - 0

12



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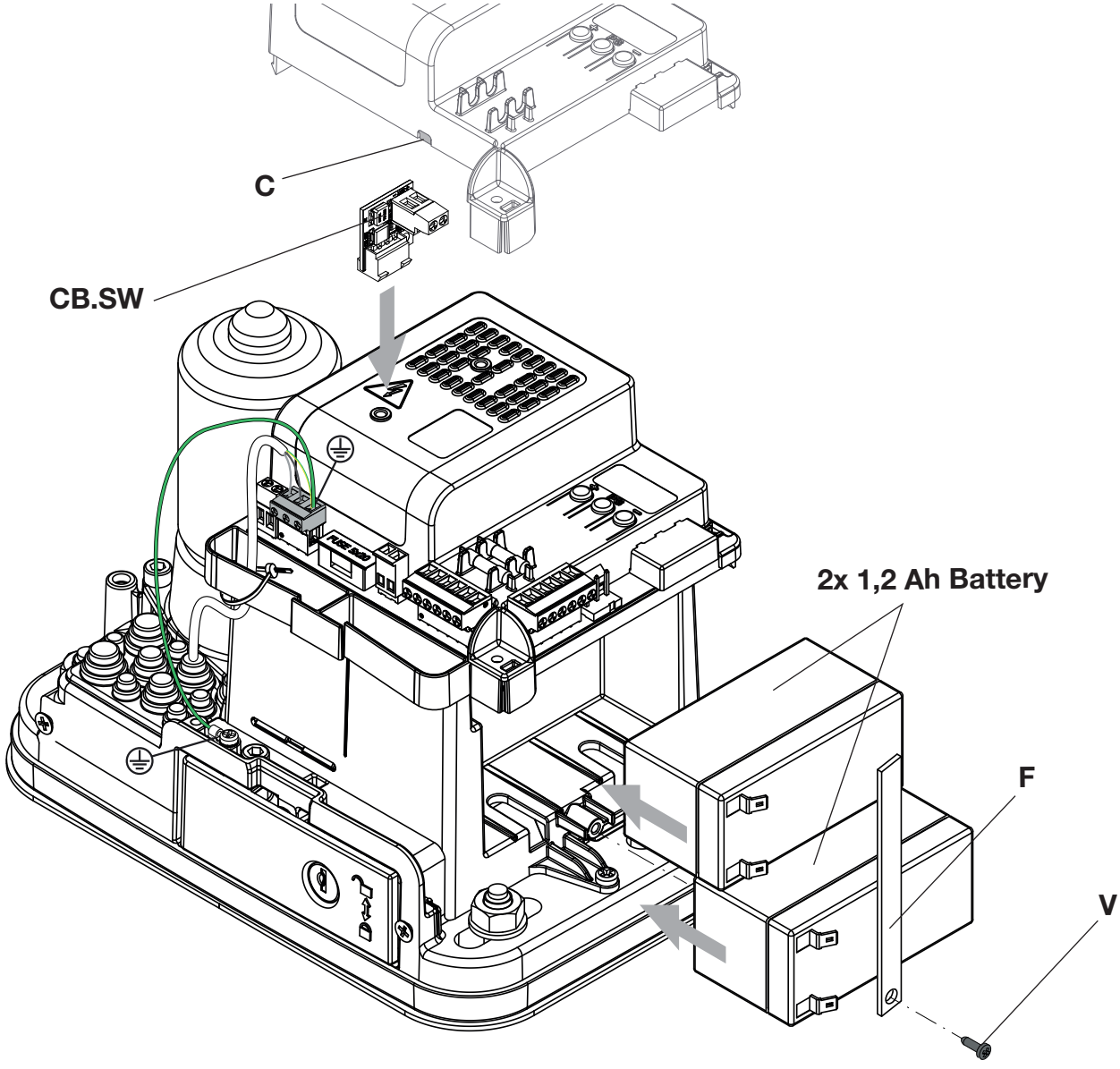
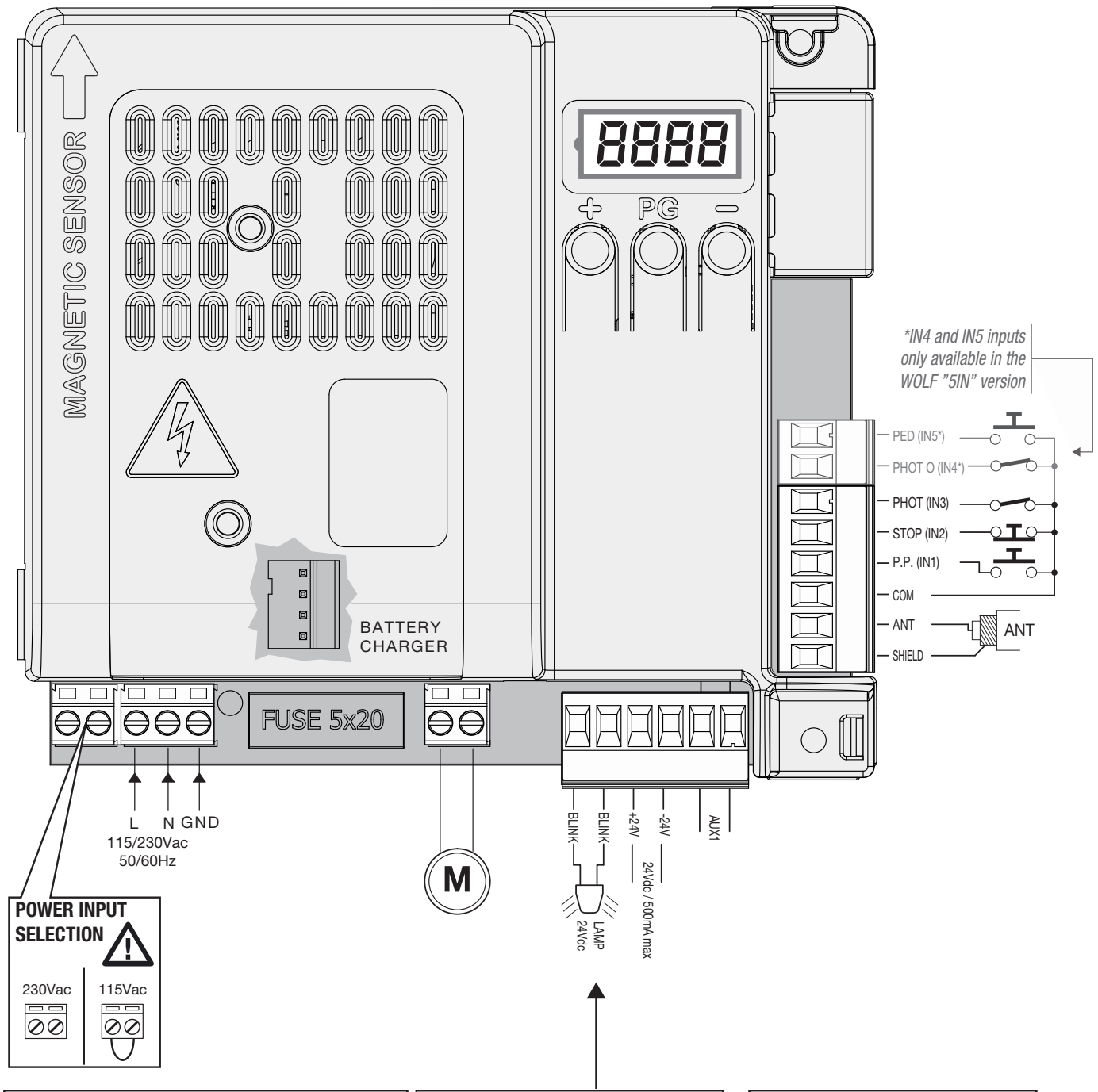
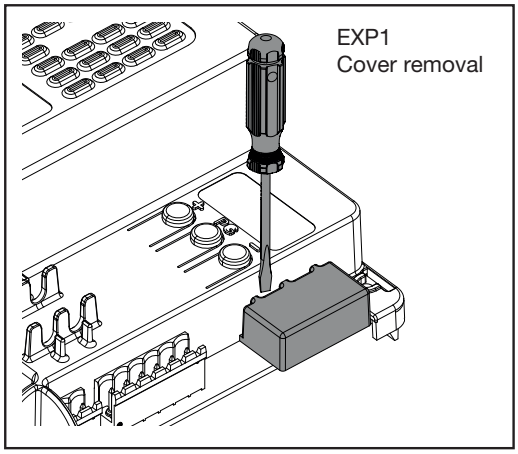
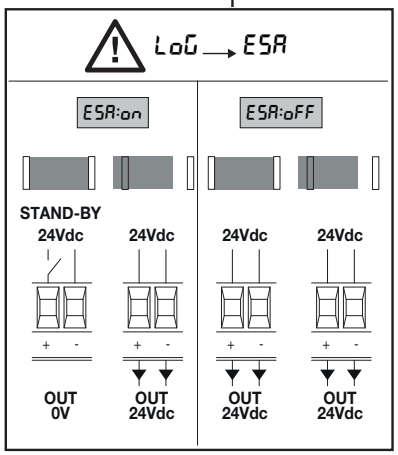
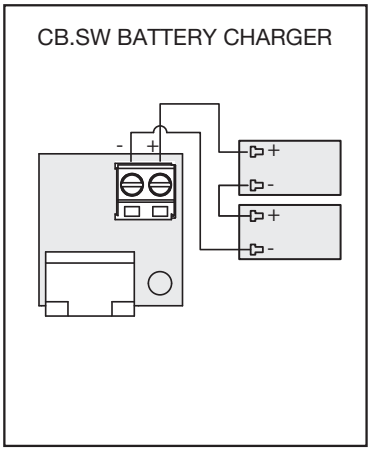


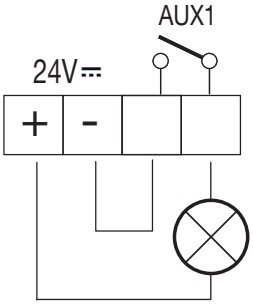

MAGNETIC SENSOR
8888
PG
*IN4 and IN5 inputs only available in the WOLF "5IN" version
PED (IN5*)
PHOT O (IN4*)
PHOT (IN3)
STOP (IN2)
P.P. (IN1)
COM
ANT
SHIELD
ANT
BATTERY CHARGER
FUSE 5x20
L
N
GND
115/230Vac
50/60Hz
M
BLINK
BLINK
+24V
-24V
AUX1
LAMP 24Vdc
24Vdc / 500mA max
POWER INPUT SELECTION
230Vac
115Vac


EXP1
Cover removal


LoG → ESA
ESA:on
ESA:oFF
STAND-BY
24Vdc
24Vdc
24Vdc
24Vdc
OUT 0V
OUT 24Vdc
OUT 24Vdc
OUT 24Vdc


CB.SW BATTERY CHARGER

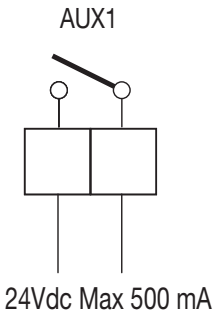
AUX 1



SCA

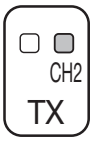
AUX1 1:0000

24Vdc Max 500 mA LIGHT
WARNING!
NO LED LAMP!



II° CH RADIO

AUX1 1:0001

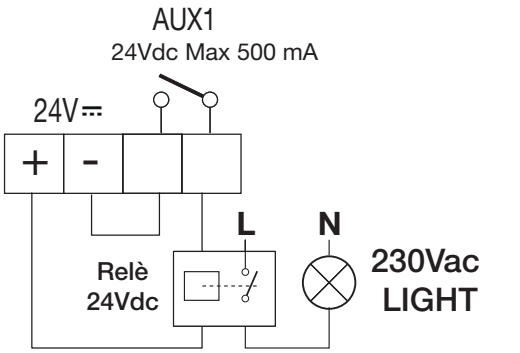


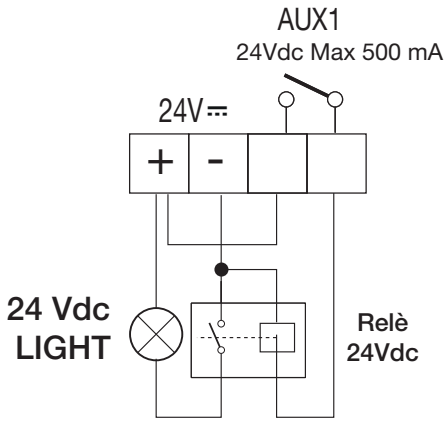
Service Light
(tLS Time)

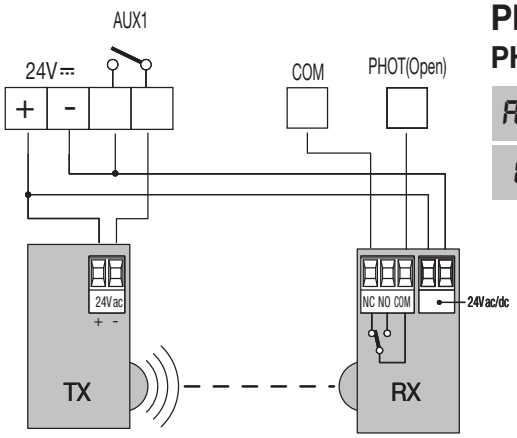
AUX1 1:0002

Zone Light

AUX1 1:0003



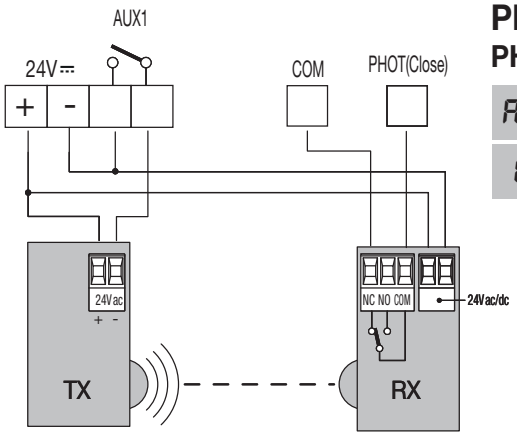




PHOTOTEST
PHOT OPEN

AUX1 1:0004

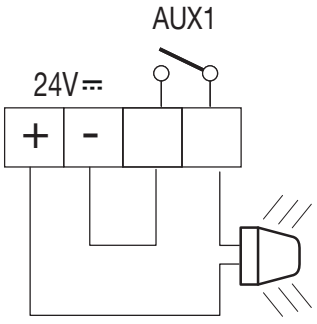
In3: 0006



PHOTOTEST
PHOT CLOSE

AUX1 1:0004

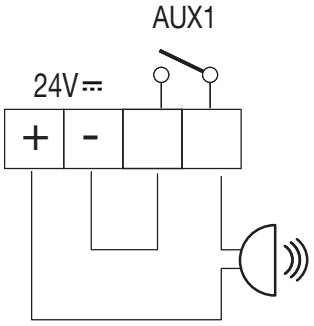
In3: 0007



LAMP

AUX1 1:0005

24Vdc Max 500 mA
LAMP
WARNING!
NO LED LAMP!



Open Gate ALARM

AUX1 1:0006

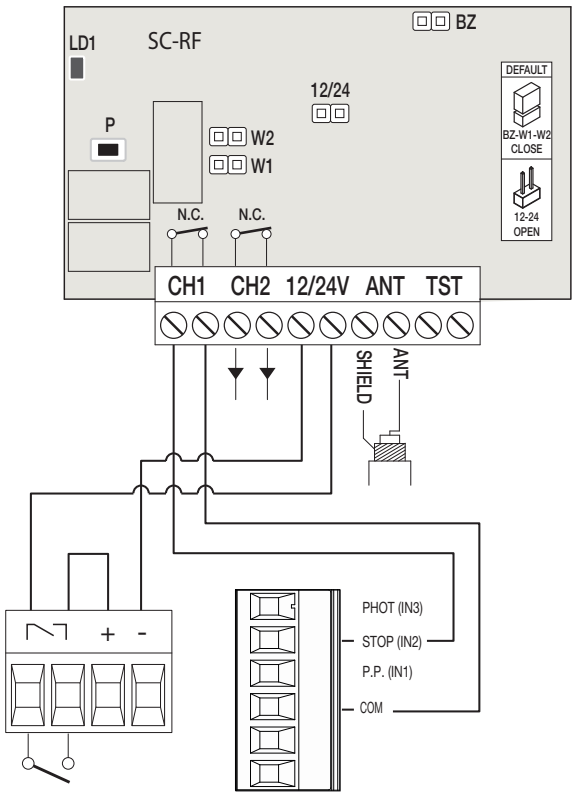
Input NC ALARM

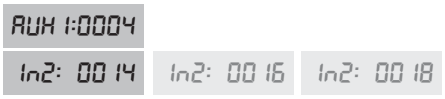
AUX1 1:0007

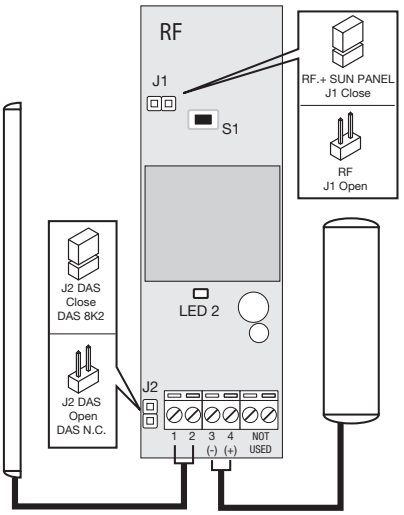
24Vdc Max 500 mA
BUZZER

15

BAR-TEST


BZ
LD1
SC-RF
DEFAULT
12/24
P
W2
W1
BZ-W1-W2
CLOSE
12-24
OPEN
N.C.
N.C.
CH1 CH2 12/24V ANT TST
SHIELD
ANT
+ -
PHOT (IN3)
STOP (IN2)
P.P. (IN1)
COM


RUN 1:0004
In2: 00 14
In2: 00 16
In2: 00 18


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

Schema menu di programmazione

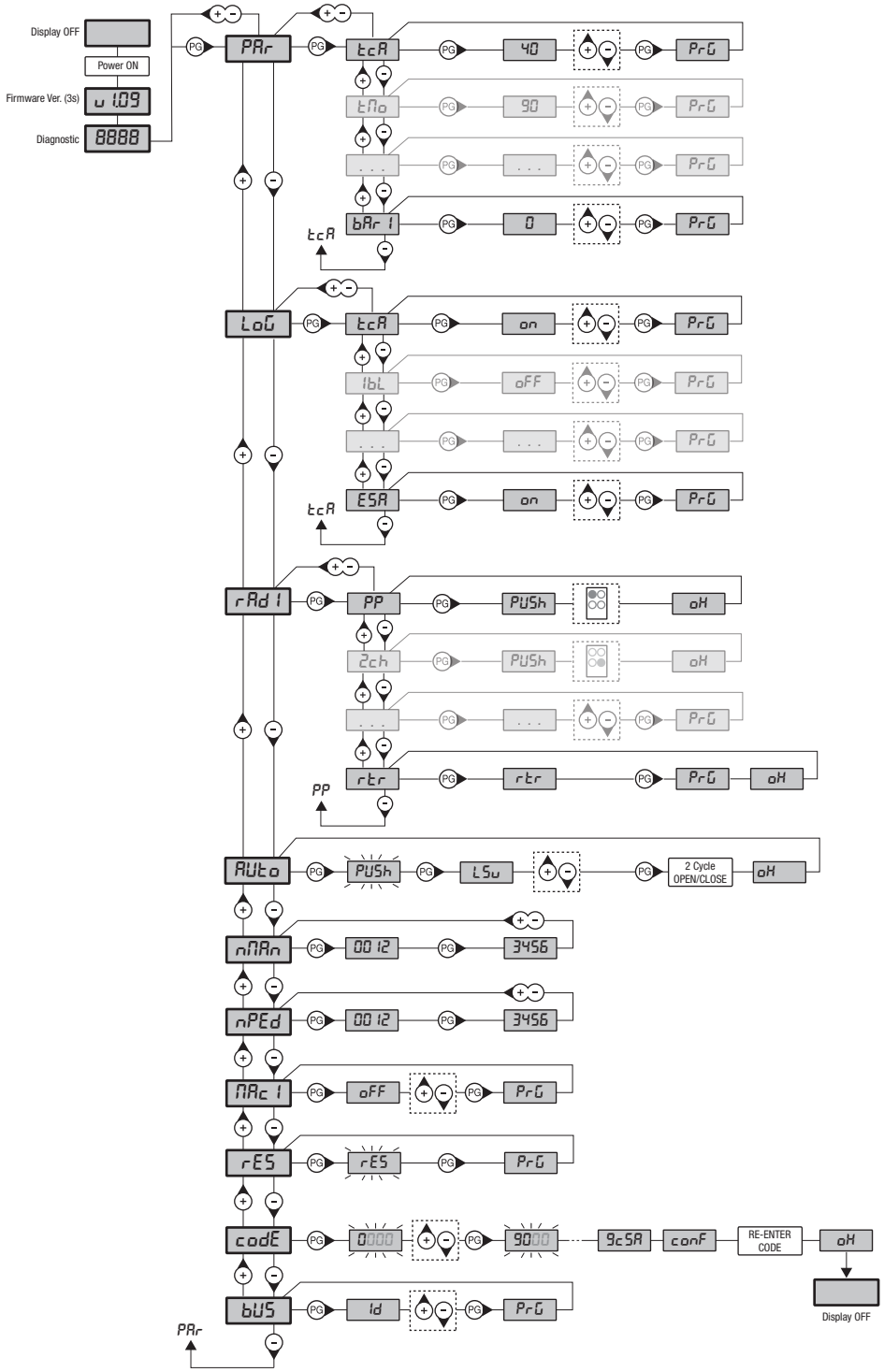
Menu programming layout

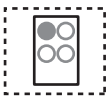
Diagramm Programmiermenü

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.

WARNINGS

GENERAL INFORMATION

The product must not be used for purposes or in ways not specified in this manual. Incorrect use may cause damage to the product and endanger people and property. We accept no responsibility for failure to comply with good engineering practice in the construction of gates, or for any deformation that may occur during use.
Keep this manual for future reference.

INFORMATION FOR THE INSTALLER

This manual is intended exclusively for personnel qualified to install and maintain automatic openings.
Installation must be carried out by qualified personnel (professional installer, in accordance with EN12635), in compliance with good practice and current regulations. Verify that the gate structure is suitable for automation.
The installer must provide all information relating to the automatic, manual, and emergency operation of the automation system and deliver the operating instructions to the user of the system.

GENERAL WARNINGS

Packaging materials must not be left within the reach of children as they are a potential source of danger. Do not dispose of packaging materials in the environment, but separate the various types (e.g., cardboard, polystyrene) and dispose of them in accordance with local regulations.
Do not allow children to play with the product's control devices.
Keep remote controls away from children.
Apply all safety devices (photocells, sensitive edges, etc.) necessary to protect the area from the dangers of impact, crushing, conveying, and shearing.
Take into account the regulations and directives in force, the criteria of Good Technique, the use, the installation environment, the operating logic of the system, and the forces developed by the automation.
The installation must be carried out using safety devices and controls that comply with EN12978 and EN12453.
The replacement of all defective components must be carried out exclusively by qualified personnel or by an authorized service center.
We recommend using original accessories and spare parts; if non-original spare parts are used, the product will no longer be covered by warranty.
All mechanical and electronic parts that make up the automation system meet the requirements and standards in force and bear the CE marking.

ELECTRICAL SAFETY

Disconnect the device from the power supply using the DISCONNECT SWITCH PROVIDED IN THE ELECTRICAL SYSTEM before carrying out any maintenance work, whether performed by qualified personnel or by the user (external cleaning).
Provide an omnipolar switch/disconnector on the power supply network with a contact opening distance of 3 mm or more.
Check that there is an adequate differential switch and overcurrent protection upstream of the electrical system.
Some types of installation require the door to be connected to a grounding system that complies with current safety regulations.
During installation, maintenance, and repair work, disconnect the power supply before accessing the electrical parts.
Also disconnect any backup batteries, if present.
The electrical installation and operating logic must comply with current regulations. Conductors supplied with different voltages must be physically separated or adequately insulated with additional insulation of at least 1 mm. The conductors must be secured with additional fasteners near the terminals.
Recheck all connections before applying voltage. Unused N.C. inputs must be bridged.

DISPOSAL

As indicated by the symbol on the side, this product must not be disposed of with household waste as some of its components may be harmful to the environment and human health if disposed of incorrectly. The equipment must therefore be delivered to appropriate separate collection centers or returned to the retailer when purchasing a new equivalent device. Illegal disposal of the product by the user will result in the application of administrative penalties provided for by current legislation.

The descriptions and illustrations in this manual are not binding. Without altering the essential characteristics of the product, the manufacturer reserves the right to make any technical, construction, or commercial changes without committing to updating this publication.

TECHNICAL DATA	WOLF424	WOLF624
Mains power supply	**115/230 Vac 50/60 Hz selectable**	
Motor power supply	**24Vdc**	
Absorption	**0.4 A**	**0.6 A**
Standby power consumption*	**0,8 W**	
Torque	**12 Nm**	**16 Nm**
Intermittent operation	**80%**	
Protection rating	**IP44**	
Temp. operation	**-20°C / +50°C**	
Max. gate weight	**450 kg**	**600 kg**
Rack module	**M4 Z14**	
Opening speed	**11 m/min**	
Noise level	**<70 dB**	
Lubrication	**GREASE**	
Radio receiver	**433.92 MHz built-in and configurable (compatible exclusively with ARC transmitters)**	
Number of storable codes	**64**	
Accessory power output	**24Vac 500mA max.**	
Weight	**6.1 kg**	**6.5 kg**

***** The control unit enters energy saving mode (standby) only at the end of any timed functions that may have been activated (TCA, courtesy light, etc.), and in any case no later than 240 seconds after the end of the operation. *In order for standby to activate with the gate open (TCA=OFF), the signaling functions (e.g., SCA) must be deactivated*

1) DESCRIPTION AND INTENDED USE

24 Vdc irreversible gear motor for intensive use with built-in control unit equipped with 115/230 Vac switching power supply.
Available in the following versions:
WOLF424
for gates with a maximum weight of 450 kg
WOLF624
for gates with a maximum weight of 600 kg
All versions are equipped with a control unit compliant with EU Regulation 2023_826 Eco-compatible Design-

Please note that by registering on the website www.beninca.com, you will have access to all the updated technical documentation for all products and accessories and to the guide for compiling the technical file and documents required by Annex V of the Machinery Directive, which is mandatory under current regulations.

2) PRELIMINARY CHECKS

For the sliding gate automation to function properly, the gate to be automated must meet the following characteristics:
- the guide rail and wheels must be suitably sized and maintained (to avoid excessive friction during gate sliding).
- during operation, the door must not sway excessively.
- the opening and closing stroke must be limited by a mechanical stop (in accordance with current safety regulations).

3) INSTALLATION

Figure 1 shows the overall dimensions of the gear motor in mm.

INSTALLATION OF THE FOUNDATION PLATE

A foundation plate is supplied for fixing the WOLF gear motor to a previously constructed concrete foundation. Figure 2 shows the dimensions in mm.
Prepare the corrugated conduits for the passage of the mains power and accessory cables, then, respecting the distance from the rack indicated in Fig. 2, mark the 4 holes indicated in Fig. 3.
The slots on the foundation base allow for subsequent positioning at the correct distance for proper pinion engagement.
Drill 4 holes with a diameter of . 10mm with a depth of 60/70 mm, using the foundation plate as a drilling template.
Four hammer-in anchors with expansion collars are supplied.
With reference to Fig. 4, insert the anchors into the holes with a few hammer blows, then insert the washers R and nuts D and, using a 17 mm wrench, tighten the nuts so that the conical end of the anchor expands against the wall of the hole.
Alternatively, you can lift the foundation plate (max. 30 mm). In this case, use the nuts and washers as shown in Fig. 5.

POSITIONING AND ANCHORING THE ACTUATOR

Position the gear motor on the foundation plate with the gear centered relative to the rack.
Unlock the automation and check that the gearing is correct throughout the entire rack travel. If necessary, adjust the alignment using the appropriate slots.
With reference to Fig. 6, lock the gear motor to the base by tightening the 4 nuts D with the washers R in between.
If the rack is already installed in a higher position than the pinion, the plate can be lifted as indicated above.

RACK FASTENING

Cnylon rack (Fig. 8).
Position the rack at a height of 60 mm from the center line of the fixing slot at the base on which the foundation plate will be fixed; at this point, drill and thread M6 into the gate.
Respect the tooth pitch P between one section of rack and another; to this end, it may be useful to couple another piece of rack (Part. C)

12x30mm Fe rack (Fig. 9).
Position the spacers D by welding or screwing them onto the gate at a height of 90 mm from the center of the fixing slot on the base to which the foundation plate will be fixed.
Respect the tooth pitch P between one section of rack and another; to this end, it may be useful to couple another piece of rack (Part. C)

Finally, secure the rack with screws V, taking care, once the actuator is installed, that there is approximately 1 mm of play between the rack and the drive wheel (see Fig. 7); use the slots on the rack for this purpose.

LIMIT SWITCH WITH MAGNETIC SENSORS

The WOLF gear motor is equipped with a limit switch system with a magnetic sensor installed in the control unit, the position of which is indicated by an arrow printed on the protective cover.
The magnets to be attached to the rack consist of the following parts (Fig. 10):
1 magnet containers, with two pockets for inserting the magnet in the most suitable position.
2 magnets (L and R versions with colored identification sticker
L: Red/Left
R: Yellow/Right
3 snap-on covers
4 container supports for fixing to the rack (8 to 22 mm thick).
5 adjustable insert

CAUTION: The two L/R magnets must be handled with care, given their strong attractive force.
Separate the magnets by sliding them sideways to reduce the risk of crushing your fingers and keep them away from metal objects, magnetic cards, and other devices sensitive to magnetism. Be careful not to damage them during handling.

Installing the magnets

- Secure the supports 4 to the rack using the two 3.9x32 screws provided (fig. 10-A).
- Attach the adjustable insert 5 to the bracket 4 using the M4 screws and nuts as shown in fig. 10-B.
- Apply the container 1 and secure it to the adjustable insert 5 using the two 3.5x13 screws provided. The position of container 1 on adjustable insert 5 is widely adjustable.
- Insert the magnets 2 into the pockets, as shown in figure 10-C.
  ATTENTION! It is important to respect the positions of the magnets indicated with the stickers facing the gear motor side, as shown in Figure 10-D.
- Close the snap-on cover (Fig. 10-D).

Notes:
In the case of an iron rack, it is recommended to use a drill to make a pilot hole.
It is possible to fix container 1 directly onto the rack or onto any flat surface.

Signal check fig.11
Once the magnets have been installed on the rack, check the signal received by the sensor located in the control unit and indicated by the MAGNETIC SENSOR arrow:
- press the "+" button for 3 seconds
- the display shows 0--0 no sensor detected.
- with the gate unlocked (see "MANUAL OPERATION"), open and close the gate (or vice versa)
- once the magnetic sensor has been detected, the LCD display will show a value (minimum 1 - maximum 9) representing which sensor has been detected and the signal quality for example:

0--5	this means that the right sensor (R/YELLOW) has been detected and has a signal value of 5
9--0	means that the left sensor (L/RED) has been detected and has a signal value of 9

If the signal value is less than 4, it is recommended to move the magnet closer to the sensor by adjusting the screws on the inserts.
Press the +/- buttons simultaneously or wait 60 seconds to exit the verification procedure.

Notes:
During normal operation, the control unit activates the LCD display segment when the L or R magnet is detected.
In the example in figure 10-D, after performing the stroke learning procedure, the control unit detects that the L/RED sensor is the closing sensor and therefore activates the SWC segment of the LCD display, while the R/YELLOW sensor is the opening sensor and activates the SWO segment of the LCD display
Using the BLC parameter (see PARAMETERS menu), it is possible to set an activation time after the magnetic sensor is triggered.

4) MANUAL OPERATION

In the event of a power failure or malfunction, proceed as follows to operate the door manually:
- Insert the personalized key C, turn it counterclockwise, and pull lever L (fig. 11).
- The gear motor is now unlocked and the gate can be moved manually.
- To restore normal operation, close the L lever and operate the gate manually until it engages.

5) TRAVEL LEARNING

This function allows you to set the optimal operating values for the automation . To perform the self-setup, proceed as follows:
1) Make sure that there are no obstacles of any kind in the operating area of any kind in the maneuvering area; if necessary, cordon off the area to to prevent access by people, animals, cars, etc.
During the autoset phase, the anti-crushing function is not active, while the activation of inputs and safety devices generates an error.
2) Position the door in the CLOSED position (making sure that the closing limit switch is pressed).
3) Select the AUTO function and press PG AUTO function and press PG.
4) The control unit waits for wait for confirmation of the start of the "AUTO" procedure FLASHING
5) Press PG to start the autoset phase: the control unit performs a series of maneuvers to learn the travel and configure the operating parameters.
If the operation is not successful, the message ERR is displayed .
Repeat the operation after checking the wiring and the presence of any obstacles.

6) CLOSING THE COVER

At the end of installation, close the cover using the two black self-tapping screws V shown in Figure 11.
An additional screw (ref. K) is provided, protected by the release lever, to be used if you wish to prevent unauthorized persons from opening the motor cover.

7) CP-W 24 CONTROL UNIT

The following table describes the electrical connections shown in Fig. 13:

Terminals	Function	Description
SEL. 115V	Selection Mains power supply	230Vac 50/60Hz (from 207Vac to 253Vac) jumper "SEL. 115V" OPEN 115Vac 50/60Hz (from 102Vac to 125 Vac) jumper "SEL. 115V" CLOSED
L/N	Power supply	Input 115/230Vac 50/60Hz (L-Phase/N-Neutral)
GND	GND	Ground connection (mandatory)
MOT	Motor	24Vdc motor connection
BLINK	Flashing light	24Vdc output 15W max. for connection to flashing light.
+/- 24 Vdc	24 Vdc output	Accessory power supply output 24 Vdc/500 mA max.
AUX	AUX	Auxiliary output with N.O. dry contact. The operating mode can be changed using the AUX parameter.
SHIEL /ANT	Antenna	Antenna connection for built-in radio receiver card (ANT signal/SHIELD shield).
COM	COMMON	Common for control inputs and photocells.
PP	Step-by-step (IN1)	Step-by-step push button input (N.O. contact) Contact can be used for timed openings using a timer. Configurable via the IN1 parameter.
STOP	STOP (IN2)	STOP button input (N.C. contact) Configurable via the IN2 parameter.
PHC	PHOT (IN3)	Input (N.C. contact) for safety devices (e.g., photocells). Configurable via parameter IN3.
PHO*	PHOT O (IN4)	Input (N.C. contact) for safety devices (e.g., photocells). Active only during the Opening phase, configurable via the IN4 parameter.
PED*	Pedestrian (IN5)	PEDESTRIAN button input (N.O. contact) Controls partial opening, settable via the TPED parameter. Input configurable via parameter IN5. A timer can be connected for time slot openings.
EXP1	Expansion 1	Connector for serial expansion for pro.UP or X.BE devices. The connector is protected by a removable cover.
BATTERY CHARGER	Card	Quick connector for optional card art. CB.SW for recharging backup batteries (not supplied) see EMERGENCY BATTERY section.
The control unit is equipped with a built-in radio module for receiving ARC (Advanced Rolling-Code) remote controls with a frequency of 433.92MHz. * These inputs are only available on some versions of the control unit.		

8) FUSES

F1 Power supply protection fuse.

9) COMPATIBLE TRANSMITTERS

IMPORTANT, READ CAREFULLY:

The radio receiver in this product is **only compatible with ARC** (Advanced Rolling Code) transmitters which, thanks to 128-bit encryption, guarantee superior anti-copying security.
Transmitter memory is described in the RADIO Menu.

10) PROGRAMMING

The various functions of the control unit are programmed using the LCD display on the control unit and by setting the desired values in the programming menus described below.
The parameter menu allows you to set a numerical value for a function, similar to an adjustment trimmer.
The logic menu allows you to activate or deactivate a function, similar to setting a dip switch.
Other special functions follow the parameter and logic menus and may vary depending on the type of control unit or software revision.

USE OF THE <PG>/<+>/<-> BUTTONS

Press the <PG> button to access the settings, which can then be modified by pressing the + and - buttons.
• Press the <+> button to scroll through the function menu from bottom to top.
• Press the <-> button to scroll through the function menu from top to bottom.
• Press the <PG> button to access any settings that need to be changed.
• Use the <+> and <-> keys to change the set values.
• Pressing the <PG> button again programs the value, and the display shows the "PRG" signal.
See the "Programming Example" section.

NOTE:

Pressing <+> and <-> simultaneously within a function menu allows you to return to the previous menu without making any changes.
Pressing the <-> button when the display is off is equivalent to a step-by-step command.
When the card is turned on, the software version is displayed for approximately 5 seconds
Press and hold the <+> or <-> button to speed up the increase/decrease of the values.
After waiting 30 seconds, the control unit exits programming mode and turns off the display.

11) PARAMETERS, LOGIC, AND SPECIAL FUNCTIONS

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

PARAMETERS (PAr)			
MENU	**FUNCTION**	**MIN-MAX (Default)**	**MEMO**
tcA	Automatic closing time. Active only with "TCA" logic = ON. At the end of the set time, the control unit commands a closing operation.	3-240-(40s)	
tPEd	Adjusts the distance traveled by the door during partial opening (pedestrian).	1-99-(50%)	
FSto	Adjusts the opening speed. *	50-99-(99)	
FStc	Adjusts the closing speed. *	50-99-(99)	
SLdo	Adjusts the speed of the sliding door during the slowdown phase when opening*.	10-50-(25)	
SLdc	Adjusts the speed of the sliding door during the closing deceleration phase*.	10-50-(25)	
tSMo	Sets the starting point of the deceleration phase during opening. The value is expressed as a percentage of the entire stroke. *	1-99-(20)	
tSMc	Sets the starting point of the deceleration phase during closing. The value is expressed as a percentage of the entire stroke. *	1-99-(20)	
PMo	Adjusts the torque applied to the motor during the opening phase	1-99-(20%)	
PMc	Adjusts the torque applied to the motor during the closing phase	1-99-(20%)	
PSo	Adjusts the torque applied to the motor during the opening slowdown phase	1-99-(20%)	
PSc	Adjusts the torque applied to the motor during the closing deceleration phase	1-99-(20%)	
bLc	Adjusts the stop time after the closing and opening limit switch is activated. Function active only with deceleration enabled (TSM>0). Value expressed in tenths of a second.	0-5-(2)	
tLS	Active only with AUX=2logic. Adjusts the activation time of the service light.	1-240-(60s)	
t2ch	Sets the activation time of the output according to the radio channel Value can be set from 0 to 250. 0: Bistable 1-250: time expressed 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 1 output (N.O. contact) 0: SCA output. The indicator light is off when the door is closed, flashes when the door is moving, and is on when the door is open. 1: 2-channel output. The output is controlled by the radio channel of the built-in receiver (see RADIO menu). 2: Courtesy light output (activation time is set by the TLS parameter) 3: Zone light output. The contact closes for the entire duration of the operation and for the entire duration of the TCA. 4: accessory power supply output (for photocell verification - coasting, in combination with TST1-TST2-TST3 logic) 5: flashing light output 6: gate open alarm output (gate open for twice the set TCA time) 7: NC input alarm or card error output (NC=alarm not active, NO=alarm active)	0-7 - (0)	
In 1	Allows you to change the function of input 1 (P.P.) **0: Step-by-Step (default) - with operation configurable from PP Logic** 1: Pedestrian - partial opening of motor 1 configurable from the PED parameter 2: Open - OPEN button function (N.O. contact) 3: Close - CLOSE button function (N.O. contact) 4: Photo Open - Input for N.C. contact for photocells active during opening 5: Photo Close - Input for N.C. contact for photocells active during closing 6: Photo Open verified - Input for N.C. contact for photocells active during the opening phase to to be used in PHOTO TEST mode 7: Photo Close verified - Input for N.C. contact for photocells active during closing to be use in PHOTO TEST mode 8: STOP - STOP button function (N.C. contact) 9: Timed Service Light Activation 10: Activation of Bistable Service Light 13: Sensitive Edge Input NC Active during Opening and Closing 14: Sensitive Edge Input Verified NC Active in Opening and Closing 15: Edge Input NC Active on Opening 16: Sensitive Edge Input NC Verified Active on Opening 17: Sensitive NC Input Active on Closing 18: NC Sensitive Edge Input Verified Active on Closing	0-18-(0)	

in2	Same options as parameter IN1 but referring to input IN2 (STOP)	0-18-(8)	
in3	Same options as parameter IN1 but referring to input IN3 (PHC)	0-18-(5)	
in4	Same options as parameter IN1 but referring to input IN4 (PHO). Only available on some control units.	0-18-(4)	
in5	Same options as parameter IN1 but referring to input IN5 (PED). Only available on some control units.	0-18-(1)	

*** WARNING: Incorrect setting of these parameters can be dangerous. Comply with current regulations!**

LOGICS (LoG)

MENU	FUNCTION	ON-OFF (Default)	MEMO
tcA	Enables or disables automatic closing On: automatic closing enabled Off: automatic closing disabled	(ON)	
ibL	Enables or disables the condominium function. On: condominium function enabled. The P.P. or transmitter pulse has no effect during the opening phase. Off: condominium function disabled.	(OFF)	
ibcA	Enables or disables the P.P. or transmitter pulse during the TCA phase. On: function enabled. Off: function disabled.	(OFF)	
ScL	Enables or disables quick closing On: quick closing enabled. When the gate is open or moving, the photocell causes automatic closing after 3 seconds.Active only with tcA:ON Off: quick closing disabled.	(OFF)	
PP	Select the operating mode of the "P.P. button" and the transmitter. On: Operation: OPENS > CLOSES > OPENS > Off: Operation: OPEN > STOP > CLOSE > STOP >	(OFF)	
PrE	Enables or disables pre-flashing. On: Pre-flashing enabled. The flashing light activates 3 seconds before the engine starts. Off: Pre-flashing disabled.	(OFF)	
htr	Enables or disables the Man Present function. Active only with inputs configured as OPEN and CLOSE. On: Man Present function. The OPEN/CLOSE buttons must be held down throughout the entire operation. Off: Automatic operation.	(OFF)	
cuRr	Enables or disables cloned ARC transmitters. On: AK series transmitters cloned from an already stored ARC transmitter are enabled. Off: Cloned transmitters are not enabled.	(ON)	
LtcA	Enables or disables the flashing light during the TCA time. On: Flashing light active. Off: Flashing light not active.	(OFF)	
AbL 1	Sets the operating mode of the AUX outputs set as flashing output (5). On: Flashing (1 sec. On and 1s Off) Off: Steady flashing (to be used with flashers already equipped with an intermittent circuit).	(OFF)	
AoPF	Enables or disables the "Forced opening in the absence of power" function (can only be enabled with emergency batteries connected and working). On: Function enabled. In the event of a power failure, before the emergency battery is completely discharged, the control unit forces an opening maneuver. The sliding door remains open until the mains power is restored. Off: Function not active.	(OFF)	
rEn	Enables or disables remote activation of radio transmitters (see REMOTE LEARNING section). On: Remote insertion enabled Off: Remote insertion disabled.	(ON)	
ESA	Enables or disables the "ESA" energy saving function. On: Once the operation is complete and the service light activation time has elapsed, the control unit cuts power to the accessory output and enters standby mode. Off: Energy saving disabled. To be used if you want the accessory power supply output to always be activated, for example if you are using 24 Vdc keypads or other devices that need to be powered at all times.	(ON)	

RADIO (rAd)

MENU	FUNCTION
PP	By selecting this function, the receiver waits (PUSh) for a transmitter code to be assigned to the step-by-step function. Press the transmitter button you wish to assign to this function. If the code is valid, it is stored and the message oK If the code is invalid, the message Err.
2ch	Selecting this function puts the receiver on standby (PUSh) for a transmitter code to be assigned to the second radio channel. Press the transmitter button you wish to assign to this function. If the code is valid, it is stored and the message oK If the code is invalid, the message Err.
PEd	When this function is selected, the receiver waits (PUSh) for a transmitter code to be assigned to the pedestrian opening function (see TPED parameter). Press the transmitter button you wish to assign to this function. If the code is valid, it is stored and the message oK If the code is invalid, the message Err.
StoP	When this function is selected, the receiver waits (PUSh) for a transmitter code to be assigned to the STOP function. Press the transmitter button you wish to assign to this function. If the code is valid, it is stored and the message oK If the code is invalid, the message Err.
ntX	When this function is selected, the LCD display shows the number of transmitters currently stored in the receiver.
clr	When this function is selected, the receiver waits (PUSh) for a transmitter code to be deleted from the memory. If the code is valid, it is deleted and the message oK If the code is invalid or not present in the memory, the message Err
rtr	Completely erase the receiver memory. Confirmation of the operation is requested. When this function is selected, the receiver waits (PUSh) for PGM to be pressed again to confirm the operation. At the end of the deletion, the message oK
Note: The transmitters are stored in an EPROM memory (Fig. 13 - U5) which can be removed and reinserted in a new control unit in case of replacement.	

NUMBER OF MANEUVERS (nMAn)

Displays the number of complete cycles (open+close) performed by the automation system. Pressing the <PG> button once displays the first 4 digits, pressing it again displays the last 4. E.g. <PG> 00 12 > > > <PG> 3456: 123,456 cycles performed.

MAINTENANCE CYCLES (MAn i)

This function allows you to activate the maintenance request signal after a number of operations set by the installer. To activate and select the number of operations, proceed as follows:
Press the <PG> button, the display shows OFF, indicating that the function is disabled (default value).
Use the <+> and <-> buttons to select one of the numerical values shown (from OFF to 100). The values refer to hundreds of operating cycles (e.g., the value 50 indicates 5000 operating cycles). Press the OK button to activate the function. The display shows the message PROG. The maintenance request is signaled to the user by keeping the flashing light on for another 10 seconds after the opening or closing maneuver is completed.

RESET (rES)

RESET of the control unit. WARNING!: This returns the control unit to its default settings.
Pressing the <PG> button once causes the rESmessage to flash; pressing the <PG> button again resets the control unit. Note: The transmitters are not deleted from the receiver, nor is the access password.
All logic and parameters are reset to their default values, so it is necessary to repeat the self-calibration procedure.

AUTOSET (AUto)

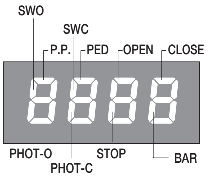
SEE PARAGRAPH ON TRAVEL LEARNING

ACCESS PASSWORD (codE)

Allows you to enter a security code to access the control unit programming.
You can enter a four-character alphanumeric code using the numbers 0 to 9 and the letters A-B-C-D-E-F.
The default value is 0000 (four zeros) and indicates that there is no protection code.
The code entry operation can be canceled at any time by pressing the + and - keys simultaneously. Once the password has been entered, you can operate the control panel, entering and exiting programming mode for approximately 10 minutes, in order to allow for adjustment and testing of the functions.
Replacing the code 0000 with any other code enables the control panel protection, preventing access to all menus. If you wish to enter a protection code, proceed as follows:
- select the Code menu and press OK.
- the code 0000 is displayed, even if a protection code has already been entered previously.
- use the + and - keys to change the value of the flashing character.
- press the OK button to confirm the flashing character and move on to the next one.
- after entering the 4 characters, a confirmation message "CONF" appears.
- after a few seconds, the code 0000 will be displayed again
- you must reconfirm the previously entered security code to prevent accidental entries.

If the code matches the previous one, a confirmation message oK will be displayed
The control panel automatically exits the programming phase, and to access the menus again, you will need to enter the stored security code.
IMPORTANT: WRITE DOWN the security code and KEEP IT IN A SAFE PLACE for future maintenance. To remove a code from a protected control panel, you must enter programming mode with the password and reset the code to the default value 0000.
IF THE CODE IS LOST, CONTACT THE AUTHORIZED SERVICE FOR A TOTAL RESET OF THE CONTROL PANEL
FOR A TOTAL RESET OF THE CONTROL PANEL.

12) DIAGNOSTICS



In the event of malfunctions, you can view the status of all inputs (limit switch, command, and safety) by pressing the + or - button. Each input is associated with a segment of the display which lights up when activated, according to the following diagram.

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

13) REMOTE TRANSMITTER LEARNING

If you already have a transmitter stored in the receiver, you can perform remote radio learning (without having to access the control unit).
IMPORTANT: The procedure must be performed with the doors open during the TCA pause.
Proceed as follows:
1 Press the hidden button on the transmitter already stored.
2 Within 5 seconds, press the button on the transmitter already stored that corresponds to the channel to be associated with the new transmitter. The flashing light comes on.
3 Press the hidden button on the new transmitter within 10 seconds.
4 Within 5 seconds, press the button on the new transmitter to be associated with the channel selected in step 2. The flashing light turns off.
5 The receiver stores the new transmitter and immediately exits programming mode.

14) EMERGENCY BATTERY

É an emergency battery kit is available as an optional accessory, consisting of a CB.SW card, connection cables, and a mounting bracket for 12V 1.2Ah batteries. The kit allows the automation system to continue operating even in the event of a temporary power failure.
During normal mains operation, the card recharges the batteries.
Install the card on the dedicated "Battery Charger" connector (Fig. 13) after removing the cover as shown in Fig. 12.
Insert the two batteries into the appropriate compartment and secure them with bracket F and screw V as shown in figure 12.
Connect the batteries to the CB.SW card as shown in Figure 13. To pass the cables through the cover, there is a passage that can be opened with a screwdriver (Fig. 12-C). For further information, refer to the instructions supplied with the accessory.

15) ERROR MESSAGES

The control unit checks that the safety devices are working correctly. In the event of a malfunction, the following messages may appear on the display:

Err1	Motor	Request technical assistance.
Err4	pHOT O circuit check error	check connections, correct alignment of PHOT O photocell, or presence of obstacles.
Err5	pHOT C circuit check error	check connections, correct alignment of PHOT C photocell or presence of obstacles.
Enc	encoder error	Connection error or encoder device failure.
AMP	Obstacle detection	Signals the presence of an obstacle (anti-crushing device)

16) MAINTENANCE

The following table is used to record maintenance, improvement, or repair work carried out by a specialized technician.

Date _	Technician's signature _	Stamp
Description of work _		

Date _	Technician's signature _	Stamp
Description of work _		

Date _	Technician's signature _	Stamp
Description of work _		

Date _	Technician's signature _	Stamp
Description of work _		