8 027908 468611

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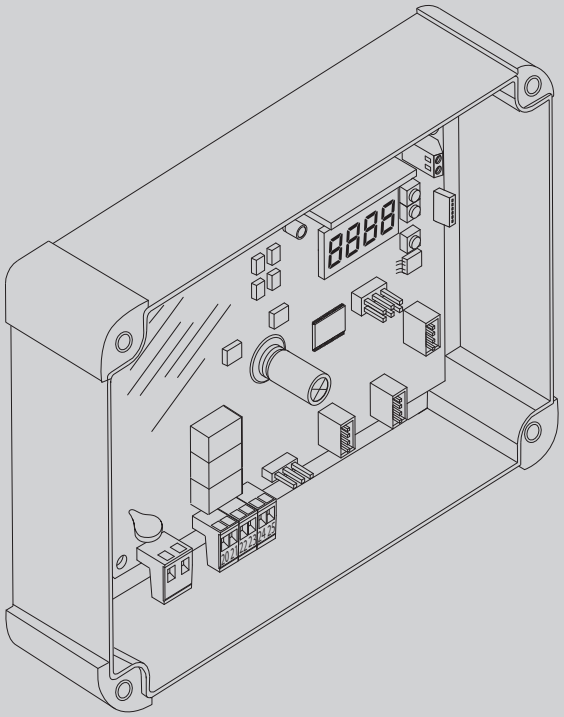
SISTEMA DI RICEZIONE
RECEPTION SYSTEM
SYSTÈME DE RÉCEPTION
EMPFANGSSYSTEM
SISTEMA DE RECEPCIÓN
ONTVANGSTSYSTEEM



ISTRUZIONI DI INSTALLAZIONE
INSTALLATION MANUAL
INSTRUCTIONS D'INSTALLATION
MONTAGEANLEITUNG
INSTRUCCIONES DE INSTALACION
INSTALLATIEVOORSCHRIFTEN

CLONIX 2E AC U-LINK 230
CLONIX UNI AC U-LINK 230

U-link

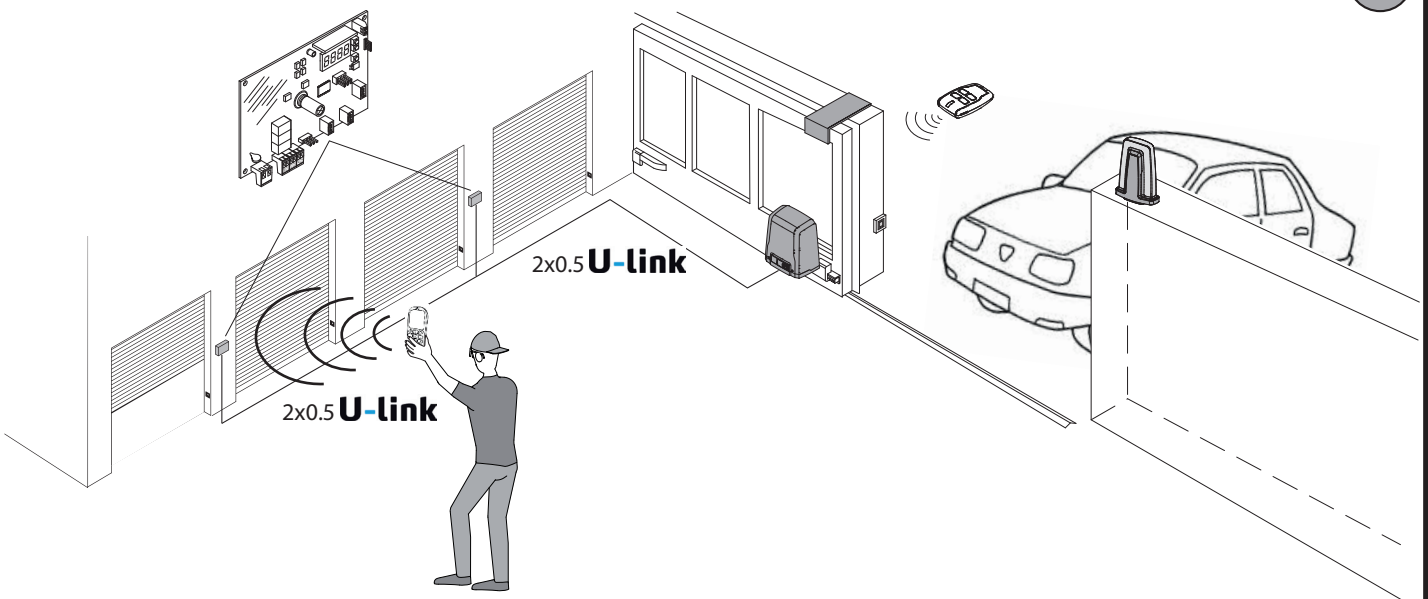
AZIENDA CON SISTEMA DI GESTIONE INTEGRATO CERTIFICATO DA DNV = UNI EN ISO 9001:2008 = UNI EN ISO 14001:2004

Attenzione! Leggere attentamente le "Avvertenze" all'interno! **Caution!** Read "Warnings" inside carefully! **Attention!** Veuillez lire attentivement les Avertissements qui se trouvent à l'intérieur! **Achtung!** Bitte lesen Sie aufmerksam die „Hinweise" im Inneren! **¡Atención¡** Leer atentamente las "Advertencias" en el interior! **Let op!** Lees de "Waarschuwingen"tigre aan de binnenkant zorgvuldig!

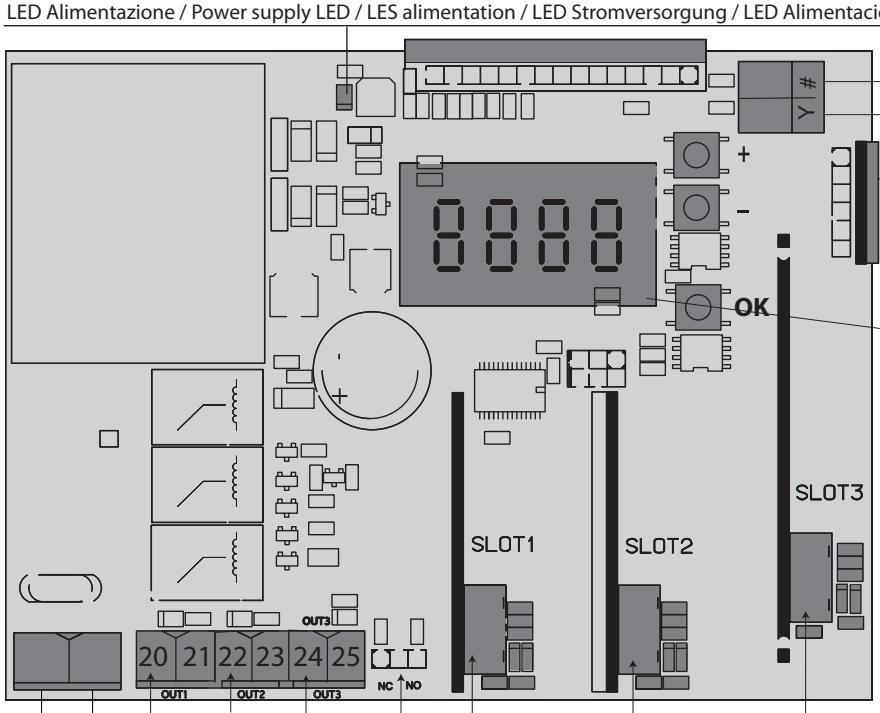
D812123 00100_02

**PREDISPOSIZIONE TUBI, TUBE ARRANGEMENT, PRÉDISPOSITION DES TUYAUX, VORBEREITUNG DER LEITUNGEN
DISPOSICIÓN DE TUBOS, VOORBEREIDING LEIDINGEN.**

A

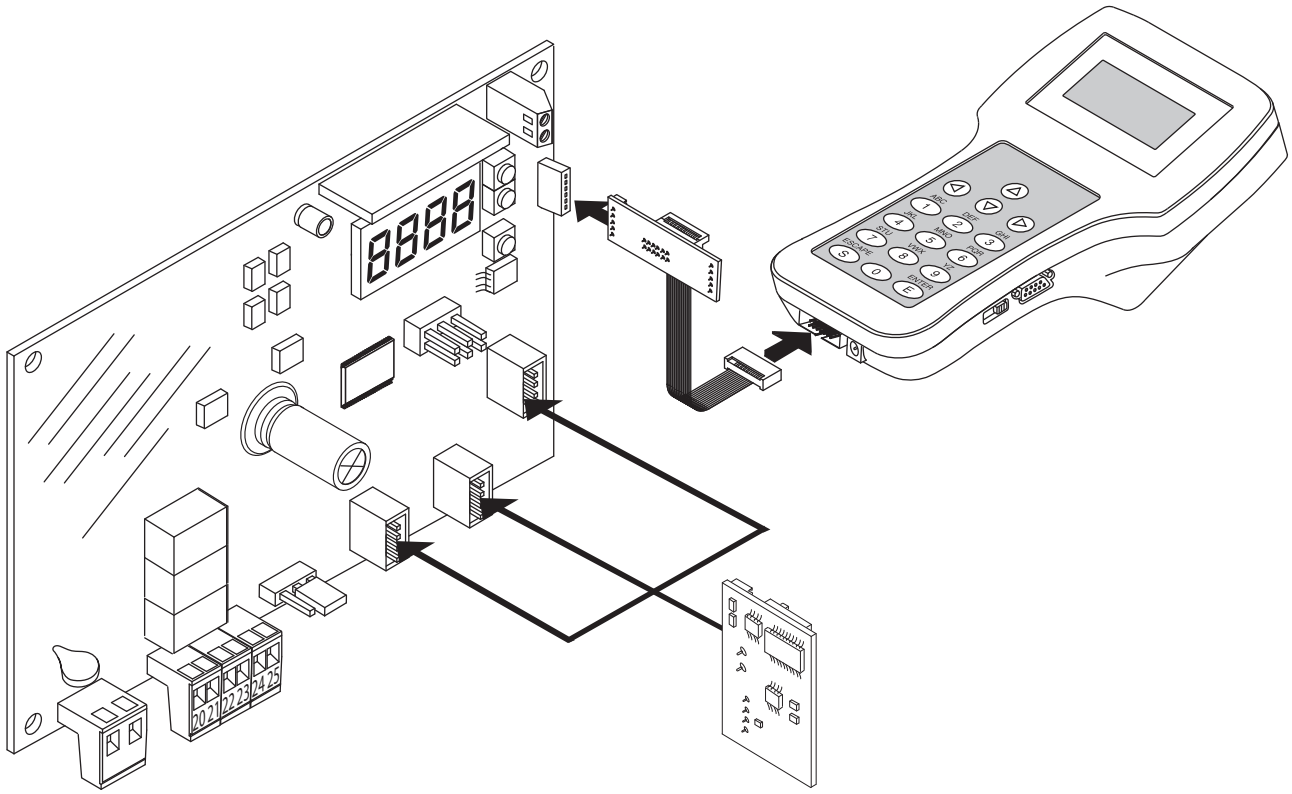


B



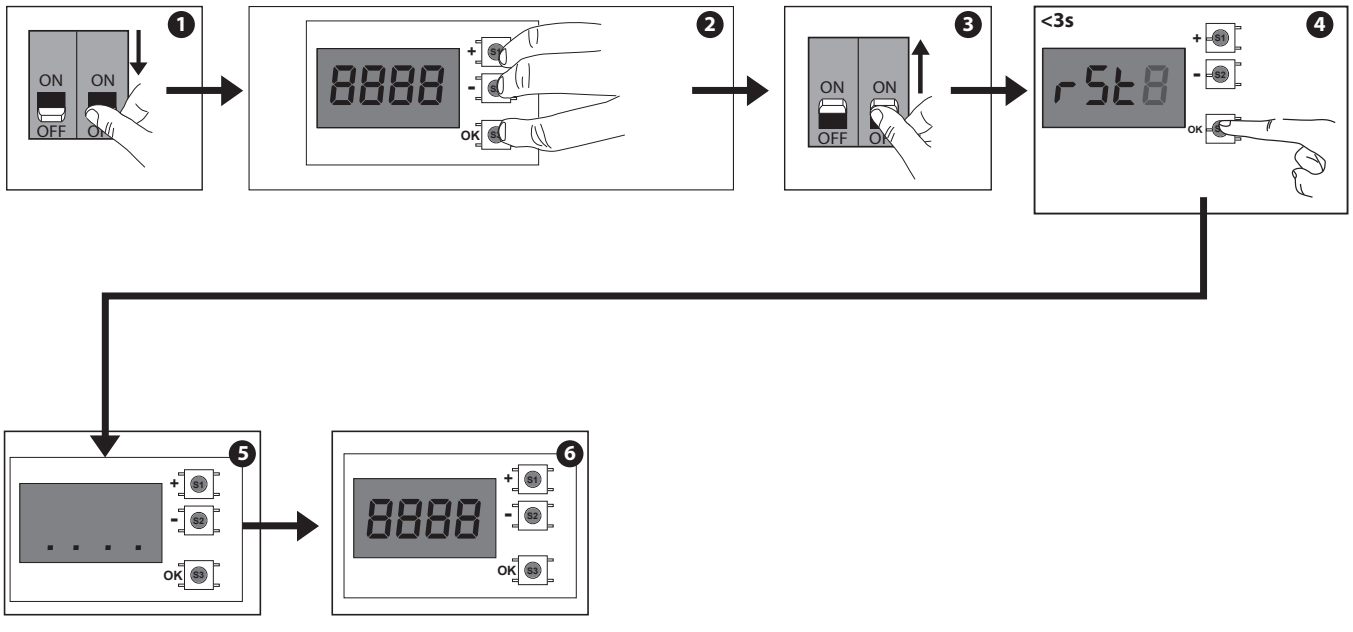
Modello Model Modèle Modell Modelo Model CLONIX U-LINK		Tensione di alimentazione Supply voltage Tension d'alimentation Betriebsspannung Tensión de alimentación Voedingsspanning	Nr.uscite / relè Nr. outputs / relays N° de Sorties / relais Nr. Ausgänge/Relais Núm. Salidas / relés Aantal uitgangen / relais
(**)CLONIX UNI AC U-LINK 230	L N	220-230V~ 50/60 Hz	3
CLONIX 2E AC U-LINK 230			2

C



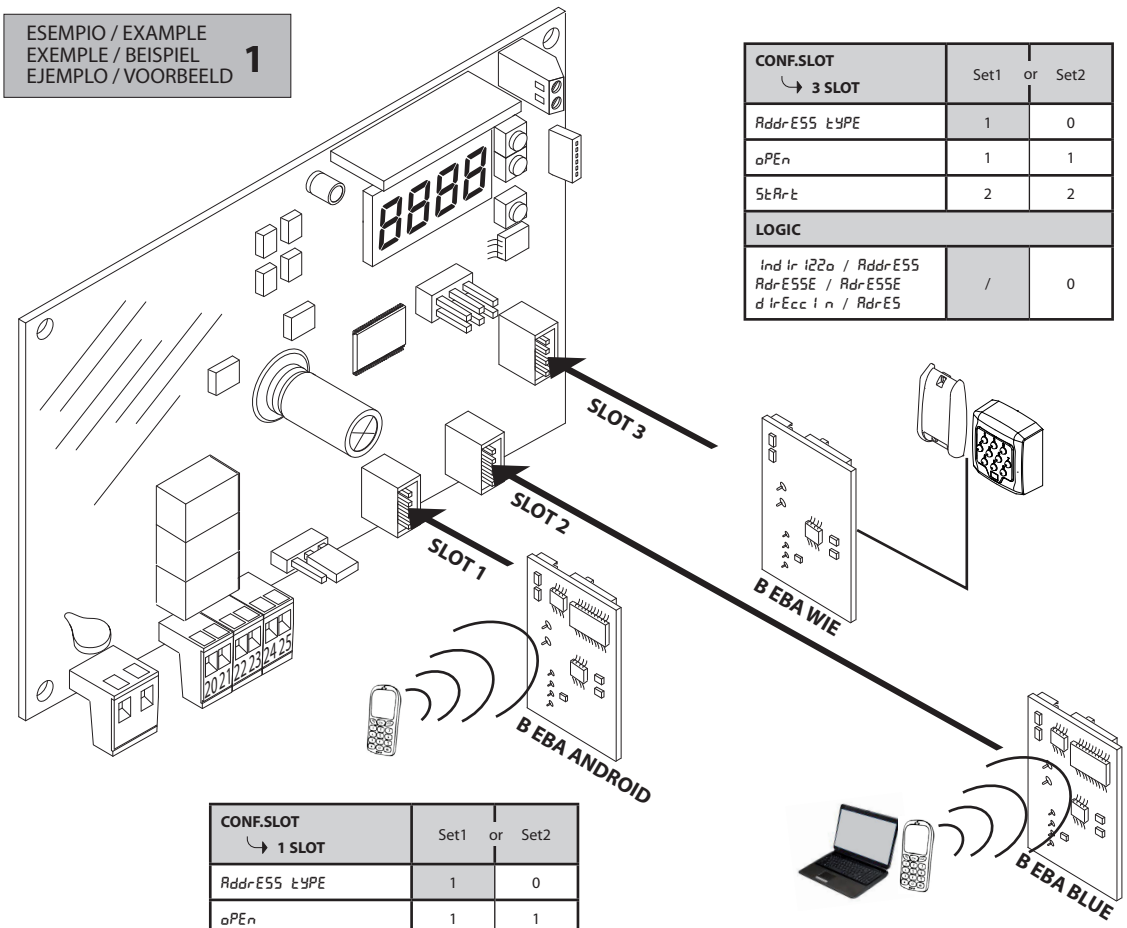
D

RIPRISTINO DELLE IMPOSTAZIONI DI FABBRICA - RESTORING FACTORY SETTINGS
RÉTABLISSEMENT DES CONFIGURATIONS D'USINE - WIEDERHERSTELLUNG DER WERKSEINSTELLUNGEN
RESTAURACIÓN DE LAS CONFIGURACIONES DE FÁBRICA - DE FABRIEKSINSTELLINGEN HERSTELLEN



D812123 00100_02

ESEMPIO / EXAMPLE
EXEMPLE / BEISPIEL
EJEMPLO / VOORBEELD **1**

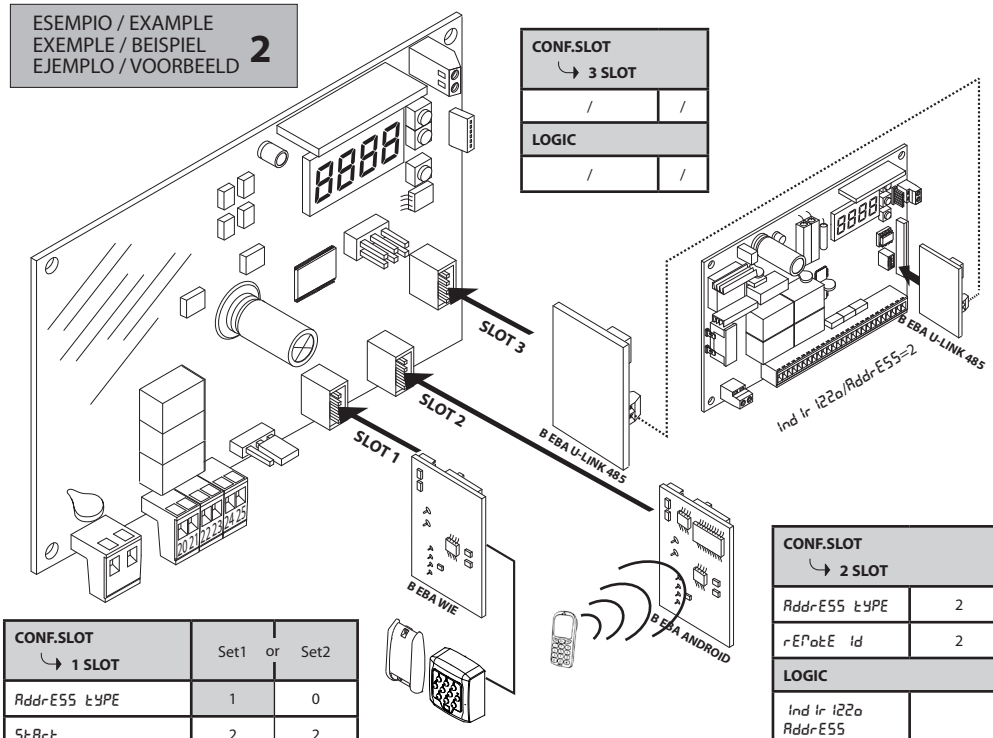


CONF.SLOT ↳ 3 SLOT	Set1	or Set2
AddrESS tYPE	1	0
oPEn	1	1
StArt	2	2
LOGIC		
ind ir i22o / AddrESS AdrESSE / AdrESSE d irEcc i n / AdrES	/	0

CONF.SLOT ↳ 1 SLOT	Set1	or Set2
AddrESS tYPE	1	0
oPEn	1	1
StArt	1	1
LOGIC		
ind ir i22o / AddrESS AdrESSE / AdrESSE d irEcc i n / AdrES	/	0

CONF.SLOT ↳ 2 SLOT	
AddrESS tYPE	0
LOGIC	
ind ir i22o AddrESS AdrESSE AdrESSE d irEcc i n AdrES	0

ESEMPIO / EXAMPLE
EXEMPLE / BEISPIEL
EJEMPLO / VOORBEELD **2**



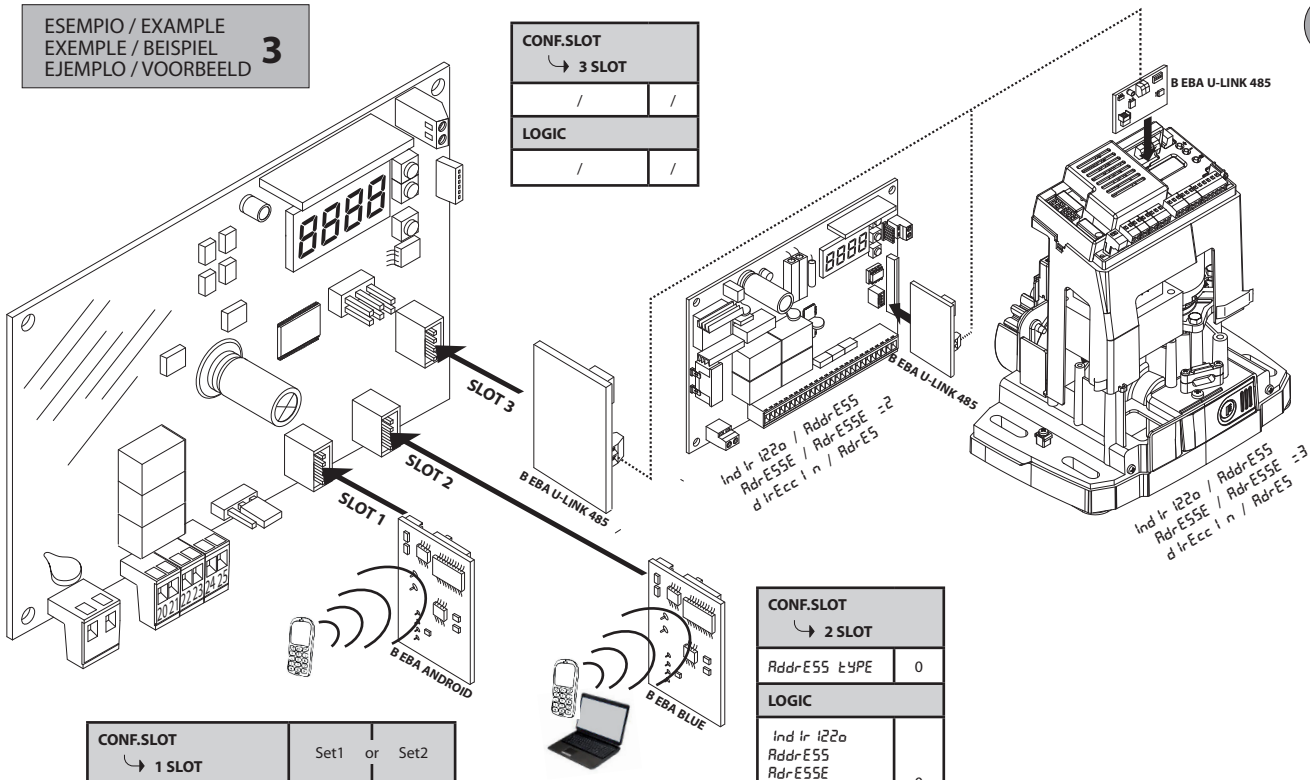
CONF.SLOT ↳ 3 SLOT	
/	/
LOGIC	
/	/

CONF.SLOT ↳ 1 SLOT	Set1	or Set2
AddrESS tYPE	1	0
StArt	2	2
LOGIC		
ind ir i22o / AddrESS AdrESSE / AdrESSE d irEcc i n / AdrES	/	0

CONF.SLOT ↳ 2 SLOT	
AddrESS tYPE	2
rEMotE id	2
LOGIC	
ind ir i22o AddrESS AdrESSE AdrESSE d irEcc i n AdrES	0

E

ESEMPIO / EXAMPLE
EXEMPLE / BEISPIEL
EJEMPLO / VOORBEELD **3**

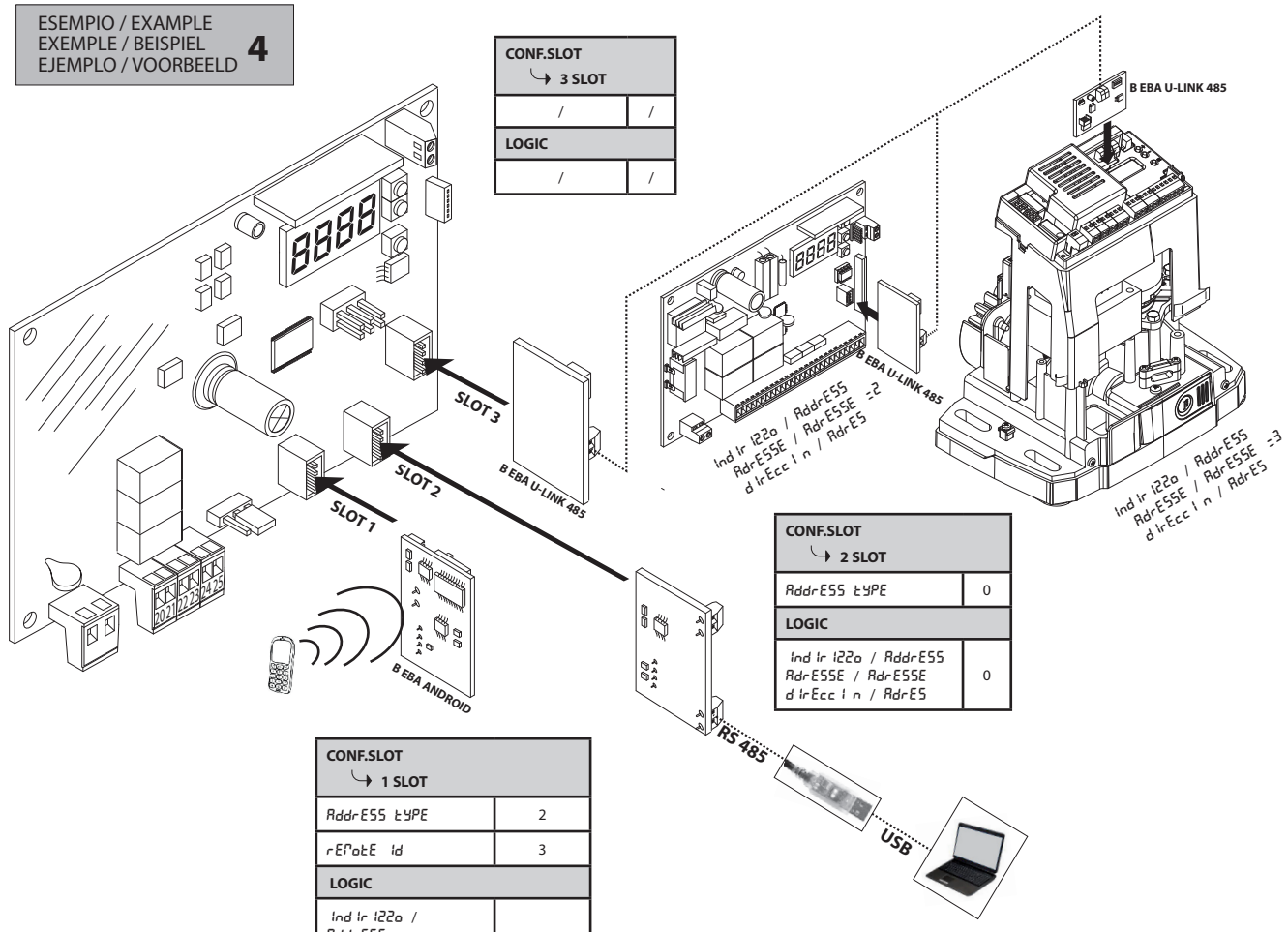


CONF.SLOT ↳ 3 SLOT	
/	/
LOGIC	
/	/

CONF.SLOT ↳ 2 SLOT	
AddrESS tYPE	0
LOGIC	
Ind Ir i22o AddrESS AdrESSE AdrESSE d IrEcc i n AdrES	0

CONF.SLOT ↳ 1 SLOT	Set1 or	Set2
AddrESS tYPE	1	0
StArt	2	2
LOGIC		
Ind Ir i22o / AddrESS AdrESSE / AdrESSE d IrEcc i n / AdrES	/	0

ESEMPIO / EXAMPLE
EXEMPLE / BEISPIEL
EJEMPLO / VOORBEELD **4**



CONF.SLOT ↳ 3 SLOT	
/	/
LOGIC	
/	/

CONF.SLOT ↳ 2 SLOT	
AddrESS tYPE	0
LOGIC	
Ind Ir i22o / AddrESS AdrESSE / AdrESSE d IrEcc i n / AdrES	0

CONF.SLOT ↳ 1 SLOT	
AddrESS tYPE	2
rEMotE id	3
LOGIC	
Ind Ir i22o / AddrESS AdrESSE / AdrESSE d IrEcc i n / AdrES	0

NB1 i moduli Beba Gateway 485 e Beba BLUE devono avere per il loro corretto funzionamento la proprietà Address Type dello slot dove è inserita pari a 0. (Es. 1: SLOT 2)
Per la disgnostica della scheda con i moduli Beba gateway 485 e Beba Blue si può usare anche il programma Ubase2.
NB2 Per un corretto funzionamento è necessario che non ci siano contemporaneamente installati nella Clonix U-Link o nella stessa rete due moduli di questo tipo:
B EBA GATEWAY 485
B EBA BLUE

NB1 Beba Gateway 485 and Beba BLUE modules must have the Address Type property of the slot where it is inserted equal to 0 to operate correctly. (Ex. 1: SLOT 2)
The Ubase2 program can also be used for board diagnostics with Beba gateway 485 and Beba Blue modules.
NB2 For correct operations, two of the following modules cannot be simultaneously installed in Clonix U-Link or on the same network:
B EBA GATEWAY 485
B EBA BLUE

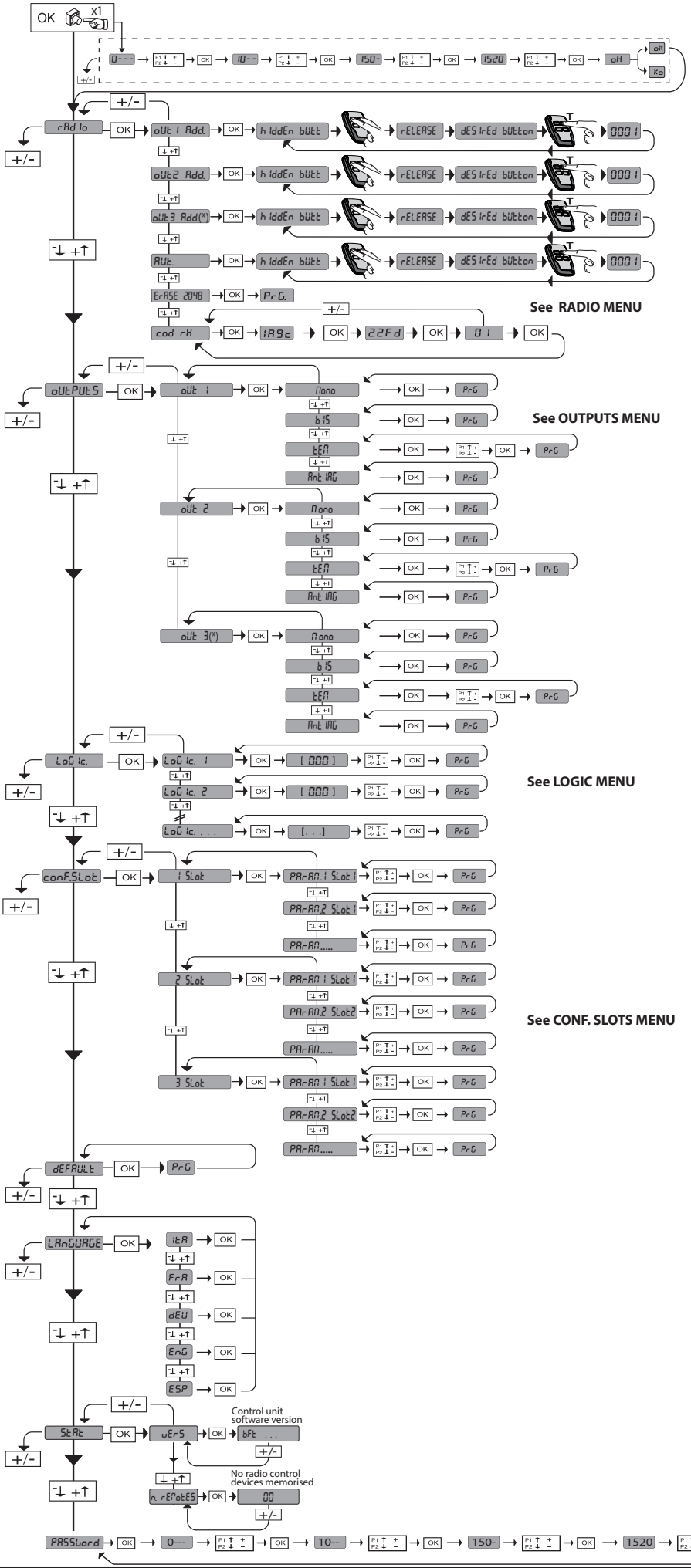
NB1 pour fonctionner correctement, les modules Beba Gateway 485 et Beba BLUE doivent avoir la propriété Address Type du slot d'insertion égale à 0 (Par ex 1 : SLOT 2)
Pour le diagnostic de la carte avec les modules Beba gateway 485 et Beba Blue vous pouvez aussi utiliser le programme Ubase 2.
NB2 Pour un fonctionnement correct, il ne faut pas avoir deux modules du type mentionné ci-après installés simultanément dans la Clonix U-Link ou dans le même réseau :
B EBA GATEWAY 485
B EBA BLUE

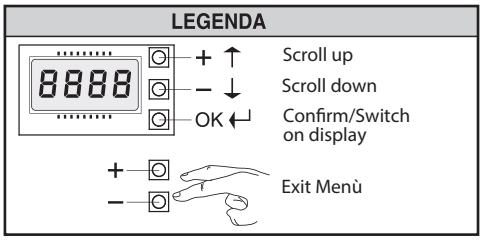
NB1 die Module Beba Gateway 485 und Beba BLUE müssen für ihren ordnungsgemäßen Betrieb die Eigenschaft Address Type des Slots gleich 0 aufweisen. (Beispiel 1: SLOT 2)
Für die Diagnose der Karte mit den Modulen Beba Gateway 485 und Beba Blue kann auch das Programm verwendet werden Ubase2
NB2 Für den ordnungsgemäßen Betrieb dürfen in Clonix U-Link oder im gleichen Netz nicht gleichzeitig zwei Module dieses Typs installiert sein:
B EBA GATEWAY 485
B EBA BLUE

Nota importante 1 para el funcionamiento correcto de los módulos Beba Gateway 485 y Beba BLUE, los mismos deben tener la propiedad Address Type de la ranura donde está conectada igual a 0. (Ej. 1: RANURA 2)
Para el diagnóstico de la tarjeta con los módulos Beba gateway 485 y Beba Blue también se puede usar el programa Ubase2.
Nota importante 2 Para un funcionamiento correcto es necesario que no se hayan instalado de forma simultánea en la Clonix U-Link o en la misma red dos módulos de este tipo:
B EBA GATEWAY 485
B EBA BLUE

N.B.1 voor een correcte functionering van de modules Beba Gateway 485 en Beba BLUE dient de eigenschap Address Type van het slot waar het is aangebracht gelijk te zijn aan 0. (Bijv. 1: SLOT 2)
Voor de diagnostiek van de printplaat met de modules Beba gateway 485 en Beba Blue kan ook het programma Ubase2 worden gebruikt.
N.B.2 Voor een correcte functionering is het belangrijk dat tegelijkertijd geen twee modules van het onderstaande type in Clonix U-link zijn geïnstalleerd:
B EBA GATEWAY 485
B EBA BLUE

ACCESS MENUS Fig. 1





Diagnostics code	DESCRIPTION
oUt 1	Output 1 on
oUt2	Output 2 on
oUt 3*	Output 3 on

* CLONIX UNI AC U-LINK 230

ENGLISH

INSTALLER WARNINGS

WARNING! Important safety instructions. Carefully read and comply with all the warnings and instructions that come with the product as incorrect installation can cause injury to people and animals and damage to property. The warnings and instructions give important information regarding safety, installation, use and maintenance. Keep hold of instructions so that you can attach them to the technical file and keep them handy for future reference.

GENERAL SAFETY

This product has been designed and built solely for the purpose indicated herein. Uses other than those indicated herein might cause damage to the product and create a hazard.

- The units making up the machine and its installation must meet the requirements of the following European Directives, where applicable: 2004/108/EC, 2006/95/EC, 2006/42/EC, 89/106/EC, 99/05/EC and later amendments. For all countries outside the EEC, it is advisable to comply with the standards mentioned, in addition to any national standards in force, to achieve a good level of safety.
- The Manufacturer of this product (hereinafter referred to as the "Firm") disclaims all responsibility resulting from improper use or any use other than that for which the product has been designed, as indicated herein, as well as for failure to apply Good Practice in the construction of entry systems (doors, gates, etc.) and for deformation that could occur during use.
- Installation must be carried out by qualified personnel (professional installer, according to EN 12635), in compliance with Good Practice and current code.
- Before installing the product, make all structural changes required to produce safety gaps and to provide protection from or isolate all crushing, shearing and dragging hazard areas and danger zones in general in accordance with the provisions of standards EN 12604 and 12453 or any local installation standards. Check that the existing structure meets the necessary strength and stability requirements.
- Before commencing installation, check the product for damage.
- The Firm is not responsible for failure to apply Good Practice in the construction and maintenance of the doors, gates, etc. to be motorized, or for deformation that might occur during use.
- Make sure the stated temperature range is compatible with the site in which the automated system is due to be installed.
- Do not install this product in an explosive atmosphere: the presence of flammable fumes or gas constitutes a serious safety hazard.
- Disconnect the electricity supply before performing any work on the system. Also disconnect buffer batteries, if any are connected.
- Before connecting the power supply, make sure the product's ratings match the mains ratings and that a suitable residual current circuit breaker and overcurrent protection device have been installed upline from the electrical system. Ensure that there is an automation, switch or 16A all-pole thermal magnetic circuit breaker on the grid to enable complete disconnection in the conditions of overvoltage III category.
- Make sure that upline from the mains power supply there is a residual current circuit breaker that trips at no more than 0.03A as well as any other equipment required by code.
- Make sure the earth system has been installed correctly: earth all the metal parts belonging to the entry system (doors, gates, etc.) and all parts of the system featuring an earth terminal.
- Installation must be carried out using safety devices and controls that meet standards EN 12978 and EN 12453.
- Impact forces can be reduced by using deformable edges.
- In the event impact forces exceed the values laid down by the relevant standards, apply electro-sensitive or pressure-sensitive devices.
- Apply all safety devices (photocells, safety edges, etc.) required to keep the area free of impact, crushing, dragging and shearing hazards. 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.
- Apply all signs required by current code to identify hazardous areas (residual risks). All installations must be visibly identified in compliance with the provisions of standard EN 13241-1.
- Once installation is complete, apply a nameplate featuring the door/gate's data.
- This product cannot be installed on leaves incorporating doors (unless the motor can be activated only when the door is closed).
- If the automated system is installed at a height of less than 2.5 m or is accessible, the electrical and mechanical parts must be suitably protected.
- Install any fixed controls in a position where they will not cause a hazard, away from moving parts. More specifically, hold-to-run controls must be positioned within direct sight of the part being controlled and, unless they are key operated, must be installed at a height of at least 1.5 m and in a place where they cannot be reached by the public.
- Apply at least one warning light (flashing light) in a visible position, and also attach a Warning sign to the structure.
- Attach a label near the operating device, in a permanent fashion, with information on how to operate the automated system's manual release.
- Make sure that, during operation, mechanical risks are avoided or relevant protective measures taken and, more specifically, that nothing can be banged, crushed, caught or cut between the part being operated and surrounding parts.
- Once installation is complete, make sure the motor automation settings are correct and that the safety and release systems are working properly.
- Only use original spare parts for any maintenance or repair work. The Firm disclaims all responsibility for the correct operation and safety of the automated system if parts from other manufacturers are used.
- Do not make any modifications to the automated system's components unless explicitly authorized by the Firm.
- Instruct the system's user on what residual risks may be encountered, on the control systems that have been applied and on how to open the system manually in an emergency. give the user guide to the end user.
- Dispose of packaging materials (plastic, cardboard, polystyrene, etc.) in accordance with the provisions of the laws in force. Keep nylon bags and polystyrene out of reach of children.

WIRING

WARNING! For connection to the mains power supply, use: a multicore cable with a cross-sectional area of at least 5x1.5mm^2 or 4x1.5mm^2 when dealing with three-phase power supplies or 3x1.5mm^2 for single-phase supplies (by way of example, type H05 VV-F cable can be used with a cross-sectional area of 4x1.5mm^2). To connect auxiliary equipment, use wires with a cross-sectional area of at least 0.5 mm^2.

- Only use pushbuttons with a capacity of 10A-250V or more.
- Wires must be secured with additional fastening near the terminals (for example, using cable clamps) in order to keep live parts well separated from safety extra low voltage parts.
- During installation, the power cable must be stripped to allow the earth wire to be connected to the relevant terminal, while leaving the live wires as short as possible. The earth wire must be the last to be pulled taut in the event the cable's fastening device comes loose.

WARNING! safety extra low voltage wires must be kept physically separate from low voltage wires.

Only qualified personnel (professional installer) should be allowed to access live parts.

CHECKING THE AUTOMATED SYSTEM AND MAINTENANCE

Before the automated system is finally put into operation, and during maintenance work, perform the following checks meticulously:

- Make sure all components are fastened securely.
- Check starting and stopping operations in the case of manual control.
- Check the logic for normal or personalized operation.
- For sliding gates only: check that the rack and pinion mesh correctly with 2 mm of play along the full length of the rack; keep the track the gate slides on clean and free of debris at all times.
- For sliding gates and doors only: make sure the gate's running track is straight and horizontal and that the wheels are strong enough to take the weight of the gate.
- For cantilever sliding gates only: make sure there is no dipping or swinging during operation.
- For swing gates only: make sure the leaves' axis of rotation is perfectly vertical.
- For barriers only: before opening the door, the spring must be decompressed (vertical boom).
- Check that all safety devices (photocells, safety edges, etc.) are working properly and that the anti-crush safety device is set correctly, making sure that the force of impact measured at the points provided for by standard EN 12445 is lower than the value laid down by standard EN 12453.
- Impact forces can be reduced by using deformable edges.
- Make sure that the emergency operation works, where this feature is provided.
- Check opening and closing operations with the control devices applied.
- Check that electrical connections and cabling are intact, making extra sure that insulating sheaths and cable glands are undamaged.
- While performing maintenance, clean the photocells' optics.
- When the automated system is out of service for any length of time, activate the emergency release (see "EMERGENCY OPERATION" section) so that the operated part is made idle, thus allowing the gate to be opened and closed manually.
- If the power cord is damaged, it must be replaced by the manufacturer or their technical assistance department or other such qualified person to avoid any risk .
- If "D" type devices are installed (as defined by EN12453), connect in unverified mode, foresee mandatory maintenance at least every six months
- The maintenance described above must be repeated at least once yearly or at shorter intervals where site or installation conditions make this necessary.

WARNING!

Remember that the drive is designed to make the gate/door easier to use and will not solve problems as a result of defective or poorly performed installation or lack of maintenance

SCRAPPING

Materials must be disposed of in accordance with the regulations in force. Do not throw away your discarded equipment or used batteries with household waste. You are responsible for taking all your waste electrical and electronic equipment to a suitable recycling centre.

DISMANTLING

If the automated system is being dismantled in order to be reassembled at another site, you are required to:

- Cut off the power and disconnect the whole electrical system.
- Remove the actuator from the base it is mounted on.
- Remove all the installation's components.
- See to the replacement of any components that cannot be removed or happen to be damaged.

THE DECLARATION OF CONFORMITY CAN BE VIEWED ON THIS WEBSITE: WWW.BFT.IT IN THE PRODUCT SECTION.

Anything that is not explicitly provided for in the installation manual is not allowed. The operator's proper operation can only be guaranteed if the information given is complied with. The Firm shall not be answerable for damage caused by failure to comply with the instructions featured herein.
While we will not alter the product's essential features, the Firm reserves the right, at any time, to make those changes deemed opportune to improve the product from a technical, design or commercial point of view, and will not be required to update this publication accordingly.

INSTALLATION MANUAL

2) GENERAL OUTLINE

The **Clonix U-Link** receiver is supplied by the manufacturer with standard settings. Any change must be made using the programmer with built-in display or universal handheld programmer. Fully supports U-LINK protocol.

Its main features are:

- Built-in rolling-code or fixed code radio receiver with transmitter cloning to manage up to 2048 codes.
- 3 input slots managed to house up to 3 boards with U-Link protocol.
- 2 or 3 relays/outputs settable as non-latching, latching, timed and panic managed.
- Password protected receiver.

The **Clonix U-Link** receiver combines the characteristics of utmost safety in copying variable code (rolling code) coding with the convenience of carrying out transmitter "cloning" operations thanks to an exclusive system. Cloning a transmitter means creating a transmitter which can be included automatically within the list of the transmitters memorised in the receiver, either as an addition or as a replacement of a particular transmitter. Therefore it will be possible to remotely program a large number of additional transmitters, or for example, replacement transmitters for those which have been lost, without making changes directly to the receiver. Cloning by replacement is used to create a new transmitter which takes the place of the one previously memorised in the receiver; in this way the lost transmitter is removed from the memory and will no longer be usable

When coding safety is not a decisive factor, the receiver allows you to carry out fixed code additional cloning, which although abandoning the variable code, provides a high number of coding combinations.

Using clones when there is more than one receiver (as in the case of communal buildings),

and especially when a distinction is to be made between clones to be added to or replaced in individual or collective receivers, could turn out to be rather difficult. The receiver cloning system for communal buildings makes it particularly easy to solve the problem of clone storage for up to **250 individual receivers.**

Entrance control is managed by relays. Two relays in N.O. configuration are available in the 2E version while there are 3 relays in the UNI version, two with N.O contact while the third has N.O. or N.C. contact based on the configuration the user sets with the jumper.

3) TECHNICAL SPECIFICATIONS		
Power supply	CLONIX UNI AC U-LINK 230	220-230V~ 50/60 Hz*
	CLONIX 2E AC U-LINK 230	
Operating temperature range		-10/+60°C
Protection rating		IP 55**
Antenna impedance		50 Ohm (RG58)
OUT 1 , OUT 2 , OUT 3 ***		NO contact (120V~/1A, 24V⎓/max 1A)
Max. n° of radio transmitters that can be memorized		2048
N° of combinations		4 billion
Dielectric rigidity		3750V~ for 1 minute
Built-in Rolling-Code radio-receiver		frequency 433.92MHz
Setting of parameters and options		Universal handheld programmer/ LCD display

(*) other voltages to order
(**) only guaranteed when using the appropriate cable glands
(***) three outputs only in the UNI

4) TERMINAL BOARD WIRING Fig. B

WARNINGS - When performing wiring and installation, refer to the standards in force and, whatever the case, apply good practice principles.

Wires carrying different voltages must be kept physically separate from each other, or they must be suitably insulated with at least 1mm of additional insulation.

Wires must be secured with additional fastening near the terminals, using devices such as cable clamps.

All connecting cables must be kept far enough away from the dissipater.

WARNING! For connection to the mains power supply, use a multicore cable with a cross-sectional area of at least 3x1.5mm² of the kind provided for by the regulations in force.

5) CALLING UP MENUS: FIG. 1

5.1) RADIO MENU (radio) (RADIO TABLE "A")

- **IMPORTANT NOTE: THE FIRST TRANSMITTER MEMORIZED MUST BE IDENTIFIED BY ATTACHING THE KEY LABEL (MASTER).**

In the event of manual programming, the first transmitter assigns the RECEIVER'S KEY CODE: this code is required to subsequently clone the radio transmitters.

The Clonix built-in on-board receiver also has a number of important advanced features:

- Cloning of master transmitter (rolling code or fixed code).
- Cloning to replace transmitters already entered in receiver.
- Transmitter database management.
- Receiver community management.

To use these advanced features, refer to the universal handheld programmer's instructions and to the general receiver programming guide.

5.2) OUTPUT CONFIGURATION MENU (oUtPUt5) (OUTPUT TABLE "B")

5.3) LOGIC MENU (Lo9 Ic) (LOGIC TABLE "C")

5.4) SLOTS CONFIGURATION MENU (conF.SLot5) (INPUT TABLE "D")

5.5) MENU DEFAULT (dEFAULt)

Riporta la centrale ai valori preimpostati dei DEFAULT.

5.6) MENU LINGUA (L InGUA)

Consente di impostare la lingua del programmatore a display.

5.7) STATISTICS MENU (StAt)

Displays the board version and number of saved transmitters.

5.8) PASSWORD MENU (PASSword)

Used to set a password for the board's wireless programming via the U-link network.

With "PROTECTION LEVEL" logic set to 1,2,3,4, the password is required to access the programming menus. After 10 consecutive failed attempts to log in, you will need to wait 3 minutes before trying again. During this time, whenever an attempt is made to log in, the display will read "BLOC". The default password is 1234.

6) CONNECTION WITH EXPANSION BOARDS AND UNIVERSAL HANDHELD PROGRAMMER VERSION>V1.40 (Fig. D)

Refer to specific manual.

7) RESTORING FACTORY SETTINGS Fig. D

WARNING: this operation will restore the control unit's factory settings and all transmitters stored in its memory will be deleted.

- Cut off power to the board.
- Press the +, - and OK keys together.
- Switch on the board's power.
- The display will read RST; confirm within 3 sec. by pressing the OK key.
- Wait for the procedure to finish.

	Terminal	Definition	Description
Power supply	L	LINE	See Par. 3) Technical Specifications Table
	N	NEUTRAL	
Outputs	20	OUT 1	OUT 1 configurable output - Default setting NON-LATCHING. NON-LATCHING; LATCHING; ANTIPANIC. Refer to the OUTPUT CONFIGURATION table.
	21		
	22	OUT 2	OUT 2 configurable output - Default setting NON-LATCHING. NON-LATCHING; LATCHING; ANTIPANIC. Refer to the OUTPUT CONFIGURATION table.
	23		
	24	OUT 3*	OUT 3 configurable output - Default setting NON-LATCHING. NON-LATCHING; LATCHING; ANTIPANIC. Refer to the OUTPUT CONFIGURATION table.
	25		
Antenna	Y	ANTENNA	Antenna input. Use an antenna tuned to 433MHz. Use RG58 coax cable to connect the Antenna and Receiver. Metal bodies close to the antenna can interfere with radio reception. If the transmitter's range is limited, move the antenna to a more suitable position.
	#	SHIELD	

* only on CLONIX UNI AC U-LINK 230.

ENGLISH

TABLE "A" – RADIO MENU (rAd Io)

Logic	Description
oUt 1 Add	**Add Key to output OUT 1** associate the required key to the OUT 1 output
oUt 2 Add	**Add Key to output OUT 2** associate the required key to the OUT 2 output
oUt 3 Add*	**Add Key to output OUT 3** associate the required key to the OUT 3 output
AUt.	Automatically associates T1 to OUT 1, T2 to OUT 2, T3 to OUT 3 (where present).
ErASE 2048	**Erase List** ⚠ **WARNING!** Erases all memorized transmitters from the receiver's memory.
cod rH	**Read receiver code** Displays receiver code required for cloning transmitters.

* only on CLONIX UNI AC U-LINK 230.

TABLE "B" - OUTPUT CONFIGURATION MENU (oUtPUtS)

OUTPUT	Definition	Default	Cross out setting used	Description	
oUt 1	**Out 1 output configuration. 20-21**	monoS	monoS	Pulse or non-latching type output, the associated output relay is attracted for 1 second.	
			bISt	Jog type output (latching), the associated relays switches status each time the transmitter key is pressed.	
			t IMEd	Each time the transmitter key is pressed the output relay remains attracted for an interval of time that can be set according to the following table. Pressing the key during the count cycle resets the count.	See table B1
			Ant IPAn Ic	The associated output relay switches status if the transmitter key is held down for more than 5 seconds. All transmitter keys on the receiver are automatically equipped with the anti-aggression function regardless of their configuration, thus the output need not be assigned a key (T1,T2,T3 or T4) Relay switching lasts 10s. If linked to a transmitter key and held down for less than 5 sec., it behaves like a non-latching output. Only one output can be configured with anti-aggression mode.	
oUt2	**Out 2 output configuration. 22-23**	monoS	monoS	Pulse or non-latching type output, the associated output relay is attracted for 1 second.	
			bISt	Jog type output (latching), the associated relays switches status each time the transmitter key is pressed.	
			t IMEd	Each time the transmitter key is pressed the output relay remains attracted for an interval of time that can be set according to the following table. Pressing the key during the count cycle resets the count.	See table B1
			Ant IPAn Ic	The associated output relay switches status if the transmitter key is held down for more than 5 seconds. All transmitter keys on the receiver are automatically equipped with the anti-aggression function regardless of their configuration, thus the output need not be assigned a key (T1,T2,T3 or T4) Relay switching lasts 10s. If linked to a transmitter key and held down for less than 5 sec., it behaves like a non-latching output. Only one output can be configured with anti-aggression mode.	
oUt3*	**Out 3 output configuration. 24-25**	monoS	monoS	Pulse or non-latching type output, the associated output relay is attracted for 1 second.	
			bISt	Jog type output (latching), the associated relays switches status each time the transmitter key is pressed.	
			t IMEd	Each time the transmitter key is pressed the output relay remains attracted for an interval of time that can be set according to the following table. Pressing the key during the count cycle resets the count.	See table B1
			Ant IPAn Ic	The associated output relay switches status if the transmitter key is held down for more than 5 seconds. All transmitter keys on the receiver are automatically equipped with the anti-aggression function regardless of their configuration, thus the output need not be assigned a key (T1,T2,T3 or T4) Relay switching lasts 10s. If linked to a transmitter key and held down for less than 5 sec., it behaves like a non-latching output. Only one output can be configured with anti-aggression mode.	

* only on CLONIX UNI AC U-LINK 230.

Table B1

Parameter value	Time interval
1	30s
2	60s
3	2 minutes
4	5 minutes
5	15 minutes
6	30 minutes
7	1 hour
8	2 hours
9	12 hours

TABLE "C" - LOGIC MENU - (LoGIc)

Logic	Definition	Default	Cross out setting used	Optional extras
FIXEd codE	**Fixed code**	0	0	Receiver is configured for operation in rolling-code mode. Fixed-Code Clones are not accepted.
			1	Receiver is configured for operation in fixed-code mode. Fixed-Code Clones are accepted.
ProtEct Ion LEvEL	**Setting the protection level**	0	0	A - The password is not required to access the programming menus B - Enables wireless memorizing of transmitters. Operations in this mode are carried out near the control panel and do not require access: - Press in sequence the hidden key and normal key (T1-T2-T3-T4) of a transmitter that has already been memorized in standard mode via the radio menu. - Press within 10 sec. the hidden key and normal key (T1-T2-T3-T4) of a transmitter to be memorized. The receiver exits programming mode after 10 sec.: you can use this time to enter other new transmitters by repeating the previous step. C - Enables wireless automatic addition of clones. Enables clones generated with the universal programmer and programmed Replays to be added to the receiver's memory. D - Enables wireless automatic addition of replays. Enables programmed Replays to be added to the receiver's memory. E - The board's parameters can be edited via the U-link network
			1	A - You are prompted to enter the password to access the programming menus The default password is 1234. No change in behaviour of functions B - C - D - E from 0 logic setting
			2	A - You are prompted to enter the password to access the programming menus The default password is 1234. B - Wireless memorizing of transmitters is disabled. C - Wireless automatic addition of clones is disabled. No change in behaviour of functions D - E from 0 logic setting
			3	A - You are prompted to enter the password to access the programming menus The default password is 1234. B - Wireless memorizing of transmitters is disabled. D - Wireless automatic addition of Replays is disabled. No change in behaviour of functions C - E from 0 logic setting
			4	A - You are prompted to enter the password to access the programming menus The default password is 1234. B - Wireless memorizing of transmitters is disabled. C - Wireless automatic addition of clones is disabled. D - Wireless automatic addition of Replays is disabled. E - The option of editing the board's parameters via the U-link network is disabled. Transmitters are memorized only using the relevant Radio menu. IMPORTANT: This high level of security stops unwanted clones from gaining access and also stops radio interference, if any.
AddrESS	**Address**	0	[___]	Identifies board address from 0 to 119 in a local BFT network connection. (see U-LINK OPTIONAL MODULES section)

TABLE "D" SLOTS CONFIGURATION MENU (conF.SLotS)

SLOT PARAM.	Definition	Default	Cross out setting used	Description
AddrESS tYPE	**Slot input operation type configuration**	0	0	The command received on this slot is sent to the other two u-link slots, keeping the target address constant, if there is a B EBA U-LINK 485 board on it, the command is sent to downstream devices and resolved if the right address is found.
			1	Each command received on this slot is locally run thus on Clonix U-Link
			2	Each command received on this slot is re-routed to the address indicated in the remote ID field. This command is sent to the other two u-link slots, if there is a B EBA U-LINK 485 board on it, the command is sent to downstream devices and resolved if the right address is found.
rEMotE Id	**Remote Command address**	0	[___]	Address of the board where the command is re-routed. Only taken into account if the Address type setting is 2.
oPEn	**Open Command re-mapping**	1	0	The Open command received via U-LINK protocol does not activate any output
			1	The Open command received via U-LINK protocol activates output OUT 1
			2	The Open command received via U-LINK protocol activates output OUT 2
			3 *	The Open command received via U-LINK protocol activates output OUT 3*
StArt	**Start Command re-mapping**	1	0	The Start command received via U-LINK protocol does not activate any output
			1	The Start command received via U-LINK protocol activates output OUT 1
			2	The Start command received via U-LINK protocol activates output OUT 2
			3 *	The Start command received via U-LINK protocol activates output OUT 3*
StoP	**Stop Command re-mapping**	2, 3 *	0	The Stop command received via U-LINK protocol does not activate any output
			1	The Stop command received via U-LINK protocol activates output OUT 1
			2	The Stop command received via U-LINK protocol activates output OUT 2
			3 *	The Stop command received via U-LINK protocol activates output OUT 3*
PEd	**Pedestrian command re-mapping**	1	0	The Pedestrian command received via U-LINK protocol does not activate any output
			1	The Pedestrian command received via U-LINK protocol activates output OUT 1
			2	The Pedestrian command received via U-LINK protocol activates output OUT 2
			3 *	The Pedestrian command received via U-LINK protocol activates output OUT 3*

SLOT PARAM.	Definition	Default	Cross out setting used	Description
cLoSE	Close Command re-mapping	2	0	The Close command received via U-LINK protocol does not activate any output
			1	The Close command received via U-LINK protocol activates output OUT 1
			2	The Close command received via U-LINK protocol activates output OUT 2
			3 *	The Close command received via U-LINK protocol activates output OUT 3*
2ch	2ch Radio Command re-mapping	1	0	The 2ch radio command received via U-LINK protocol does not activate any output
			1	The 2ch radio command received via U-LINK protocol activates output OUT 1
			2	The 2ch radio command received via U-LINK protocol activates output OUT 2
			3 *	The 2ch radio command received via U-LINK protocol activates output OUT 3*

* only on CLONIX UNI AC U-LINK 230.

8) U-LINK OPTIONAL MODULES
Refer to the U-link instructions for the modules.
The use of some models causes lowered radio capacity. Adjust the system using an appropriate antenna tuned to 433MHxz.

8.1) COMPATIBLE U-LINK BOARDS
The CLONIX UNI AC U-LINK 230 lets you manage up to 3 u-link modules from amongst those listed below to activate relays with commands from the PC via u-service or u-base 2, etc. or from android mobile devices via blue-entry, u-base2 mobile, etc. These commands can also be carried on units appropriated connected via 485 board setting the input/slot features on the display.

BOARD	OPERATION
B EBA BLUE	Module that manages Bluetooth communications with the host (PC or mobile) via U-link protocol. **It manages every type of U-link protocol command.** This module is terminated on the specific U-link connector on the board.
B EBA GATEWAY 485	Module that manages RS485 communications with the U-link host (PC). **It manages every type of U-link protocol command.** This module is terminated on the specific U-link connector on the board.
B EBA Z-WAVE	Module that can be integrated in a Z-Wave network; it converts Z-Wave commands in U-Link protocol open, close and stop commands. **It only manages U-link protocol open, close and stop commands.** This module is terminated on the specific U-link connector on the board.
B EBA ANDROID	Module that permits communications via Bluetooth with a smartphone complete with the BlueEntry App. It converts commands from the smartphone in open/start commands. **It only manages U-link protocol open and start commands.** This module is terminated on the specific U-link connector on the board.
B EBA WIE	Module that can read and save 1 codes from "Wiegand26" devices. **It only manages U-link protocol open, close, stop, start, pedestrian and 2ch radio commands.** This module is terminated on the specific U-link connector on the board.
B EBA U-LINK 485	Hardware converter module that only adapts hardware for RS485 network connections. It does not process transmitted data. This module is terminated on the specific U-link connector on the board.

8.2) CONFIGURATION EXAMPLES Fig. E
Set 1 or Set 2 are two equivalent ways of setting the Receiver.

EXAMPLE 1
The command that arrives as modules is run by clonix according to the mapping set by the operator.
You do not require the presence of all three modules. Each module can be placed in one of the three slots. The configuration is done according to the slot the module is inserted in."

Beba Android in slot 1 sends a start/open command that is run in clonix sending a command to output 1.
Beba Blue in slot 2 sends a with instruction to address 000 which is run in clonix.
B EBA WIE in slot 3 sends a start command that is run in clonix sending a command to output 2.
B EBA WIE in slot 3 sends an open command that is run in clonix sending a command to output 1.

EXAMPLE 2
The command that arrives as modules is run by clonix according to the mapping set by the operator.

Beba WIE in slot 1 sends a start command that is run in clonix sending a command to output 2.
Beba Android in slot 2 sends a start command that is send crossing slot 3 to the address 2 unit.
The start command is run in the address 2 unit.
Each command that arrives in slot 2 is run in the unit with address equal to the remote ID set in the slot properties.

EXAMPLE 3
The command that arrives as modules is run by clonix according to the mapping set by the operator.

Beba Android in slot 1 sends a start command that is run in clonix sending a command to output 2.
Beba Blue in slot 2 sends an instruction including address [xxx] (see u-service manual).
the instruction is carried across the Beba u-link 485 board to the network to the system with matching address.
example:
u-service start instruction [000_nviOn_003 1.1]
It will be run in the unit with address 003.
The instruction address is not changed.

EXAMPLE 4
The command that arrives as modules is run by clonix according to the mapping set by the operator

Beba Android in slot 1 sends a start command that is send crossing slot 3 to the address 3 unit.
The start command is run in the address 3 unit.
Each command that arrives in slot 1 is run in the unit with address equal to the remote ID set in the slot properties.
Beba GateWay 485 in slot 2 sends an instruction including address [xxx] (see u-service manual).
the instruction is carried across the Beba u-link 485 board to the network to the system with matching address.
example:
u-service open instruction [000_nviOn_002 1.1]

it will be run in the unit with address 002.
The instruction address is not changed.

NB1 Beba Gateway 485 and Beba Uniblue modules must have the Address Type property of the slot where it is inserted equal to 0 to operate correctly.
The Ubase2 program can also be used for board diagnostics with Beba gateway 485 and Beba Blue modules.
NB2 Two modules of this type may not be simultaneously installed for correct clonix U-link operations:
B EBA GATEWAY 485
B EBA BLUE
or Beba Blue and Beba gateway 485 may not be installed together.

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