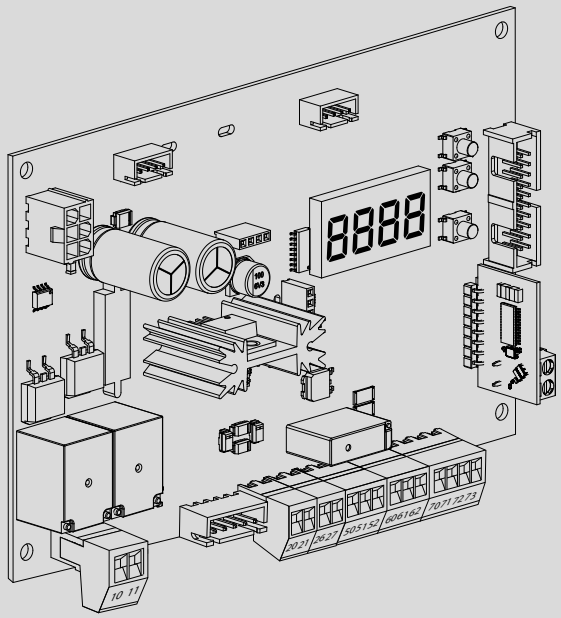
U-LINK 2.0

U-LINK

D814459 0AR00_08 28-10-25

QUADRO COMANDO
CONTROL PANEL
TABLEAU DE COMMANDE
SELBSTÜBERWACHENDE STEUERUNG
CUADRO DE MANDOS
BEDIENINGSPANEEL



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

MERAK BT A

IT	**LINGUA ORIGINALE**
EN	TRANSLATED VERSION
FR	VERSION TRADUITE
DE	ÜBERSETZTE VERSION
ES	VERSIÓN TRADUCIDA
NL	VERTAALDE VERSIE

BFT

UNAC UKCA CE

AZIENDA CON SISTEMA DI GESTIONE CERTIFICATO DA DNV GL = ISO 9001 = = ISO 14001 =

U-Security

24 V

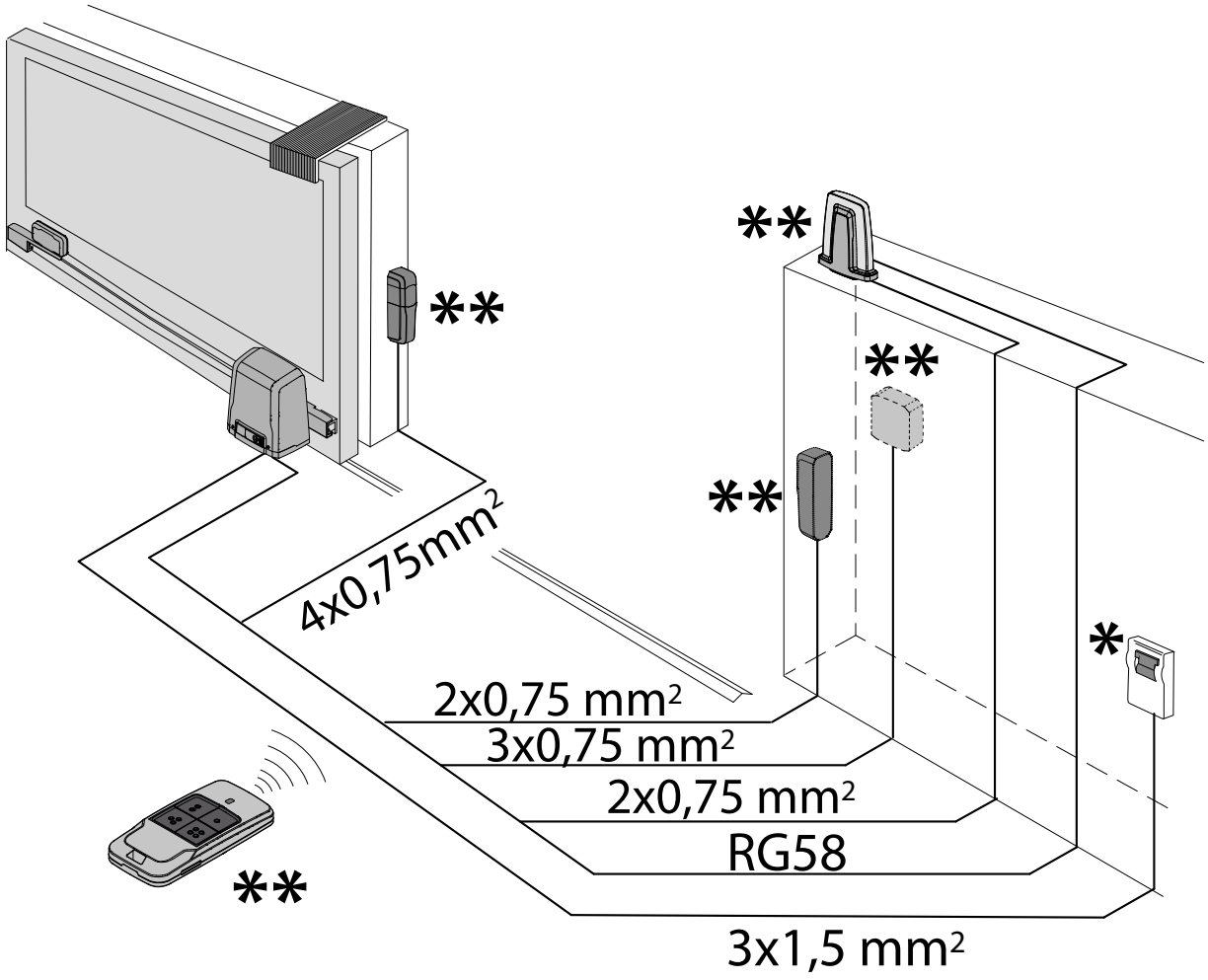
Attenzione! Leggere attentamente le "Avvertenze" all'interno! **Caution!** Read "Warnings" inside carefully! **Attention!** Veuillez lire attentivement les Avertissements qui se trouvent à l'intérieur! **Achtung!** Bitte lesen Sie aufmerksam die „Hinweise" im Inneren! **¡Atención¡** Leer atentamente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

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

A

D8144590AR00_08

Example



* BUY

** BUY

B

Connettore scheda opzionale
Connector for optional board
Connecteur carte facultative
Steckverbinder Zusatzkarte
Conector de la tarjeta opcional
Connector optionele kaart

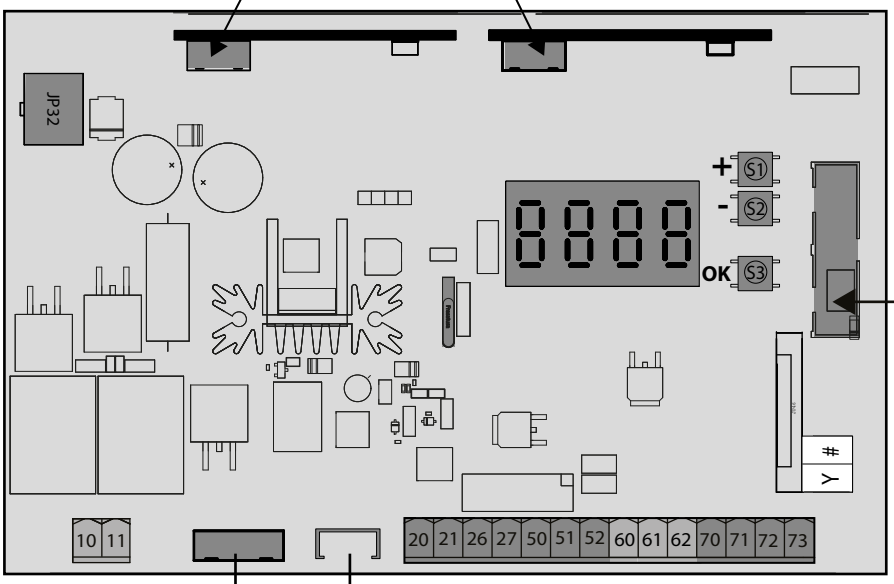
U-LINK 2.0 2

1 U-LINK

U-LINK 2.0

U-LINK → UL InK 1 = 1

U-LINK 2.0 → UL InK 1 = 0



Connettore scheda espansione
Expansion card connector
Connecteur de carte d'extension
Steckverbinder der -Erweiterungskarte
Conector tarjeta de expansión
Stekker-uitbreidingskaart

B2

70 COM
69 COM IC
COM ≠ COM IC

10 11 — M1

Motore
Motor
moteur
Motor
Eindaanslag
Encoder

Connettore finecorsa
Limit switch connector
Connecteur de fin de course
Steckverbindung Endschalter
Conector final de carrera
Connector eindaanslag

solo per / only for
uniquement sur/nur für
solo para / apenas para
ARES VELOCE BT B 500

20 21 26 27 50 51 52

24V — AUX 1 - 24V (MAX 1A)
AUX 2 (MAX 24V 1A)
24V -
24V +
24 VSafe+

Alimentazione accessori
Accessories power supply
Alimentation des accessoires
Stromversorgung Zubehör
Alimentación accesorios
Voeding accessoires

60 61 62

COM IC — NO
IC 1 — NO
IC 2 — NO

Comandi
Commands
Commandes
Bedienelemente
Mandos
Commando's

70 71 72 73

COM — NC
STOP — NC
SAFE 1 — NC
SAFE 2 — NC

Sicurezze
Safety devices
Sécurités
Sicherheitsvorrichtungen
Dispositivos de seguridad
Veiligheden

Y #

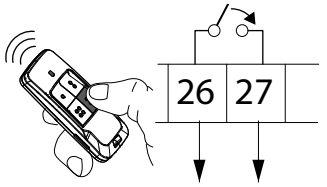
SHIELD
ANT

Antenna
Antenne
Antena
Antenne

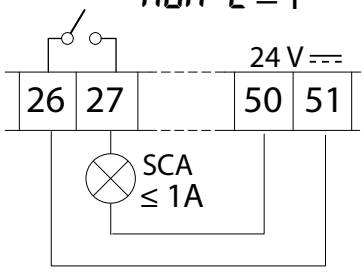
	10		11
	Ares	**Deimos**	**Ares/Deimos**
IT	Nero	Blu	Rosso
EN	Black	Blue	Red
FR	Noir	Bleu	Rouge
DE	Schwarz	Blau	Rot
ES	Negro	Azul	Rojo
NL	Zwart	Blauw	Rood

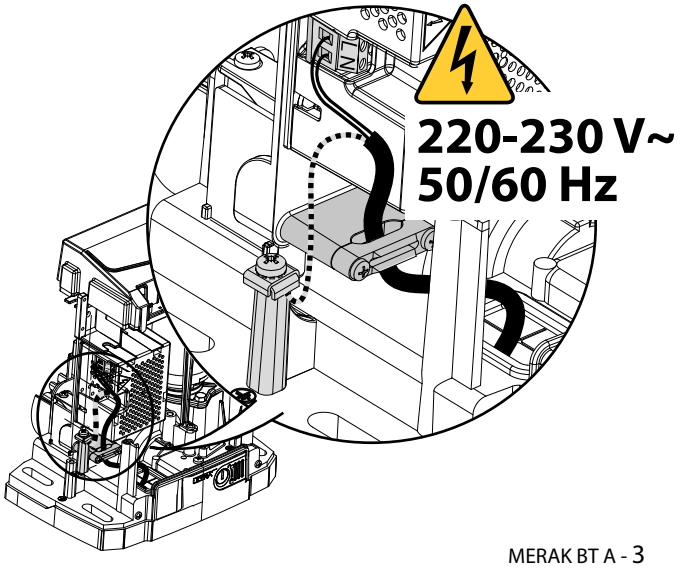
EXAMPLE

AUX 2 = 0



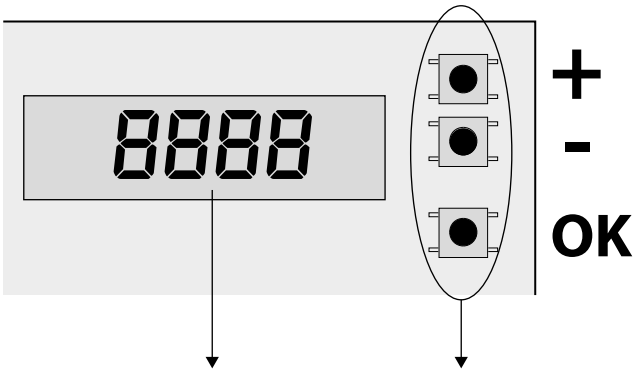
AUX 2 = 1





DIAGNOSTICS

PAGE 8-24-25
PAGE 8-38-39
PAGE 8-52-53
PAGE 8-66-67
PAGE 8-80-81
PAGE 8-94-95



display
display
afficheur
display
pantalla
display

tasti programmazione
programming keys
touches de programmation
Programmierungstasten
botones de programación
toetsen programmeur

+

< 2s — OPEN / STOP - OPEN / STOP - OUVERTURE / ARRÊT
OPEN / STOP - OPEN / STOP - OPEN / STOP

>5s — Aggiungi 1° canale radio - Add 1st radio channel
Ajouter 1er canal radio - 1. Funkkanal hinzufügen
Agregar 1er canal radio - 1e radiokanaal toevoegen

x1 ↑ navigazione nel menù - scroll through the menu - navigation dans le menu
Navigation im Menü - navegación por el menú - navigatie in het menu

-

< 2s — CLOSE / STOP - CLOSE / STOP - FERMETURE / ARRÊT
CLOSE / STOP - CLOSE / STOP - CLOSE / STOP

>5s — Aggiungi 2° canale radio - Add 2nd radio channel
Ajouter 2e canal radio - 2. Funkkanal hinzufügen
Agregar 2º canal radio - 2e radiokanaal toevoegen

x1 ↓ navigazione nel menù - scroll through the menu - navigation dans le menu
Navigation im Menü - navegación por el menú - navigatie in het menu

OK

>5s — avvio autoset - start autoset - lancement de l'autoset
Autoset-Start - inicio autoset - autoset starten

x1 ENTER — avvio procedura guidata / conferma selezione
start guided procedure / confirm selection
lancement de la procédure guidée / confirmer la sélection
Start des Assistenten / Auswahl bestätigen
inicio del asistente / confirmar selección
wizardprocedure starten / bevestig de selectie

x2 ENTER — ingresso menù avanzato - enter advanced menu
entrée menu avancé - Zugang zum erweiterten Menü
entrada menú avanzado - ingang uitgebreid menu

+

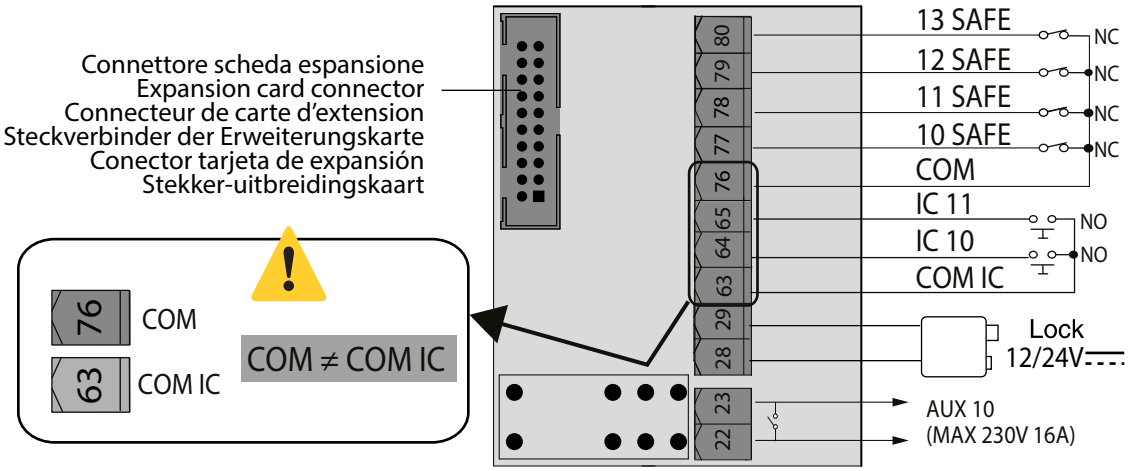
>5s — cancellazione trasmettitori - transmitters cancellation
annulation des émetteurs - löschen der sender
eliminación transmisores - wissen zenders

-

x1 ESC — uscita menù - exit menu- sortie menu
Menüabbruch - salida menú - uitgang menu

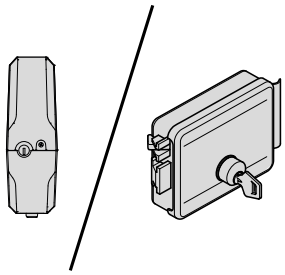
SCHEDA DI ESPANSIONE - EXPANSION BOARD - CARTE D'EXTENSION
ERWEITERUNGSKARTE - TARJETA DE EXPANSIÓN - UITBREIDINGSKAART

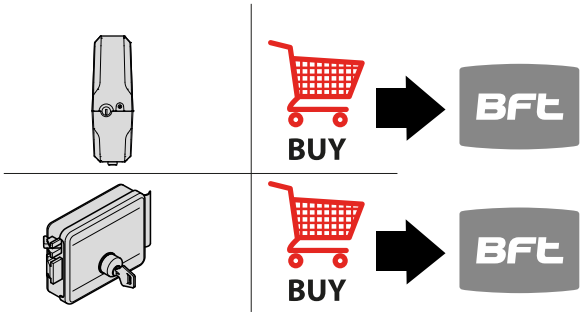
B1



ELECTRICAL LOCK connection example

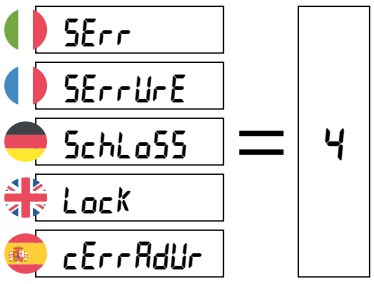
B2

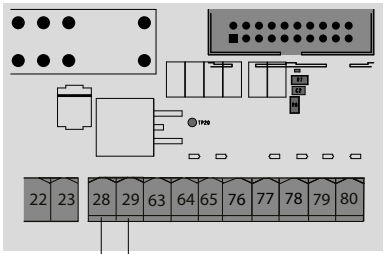


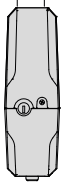


1 EBP BT

24V



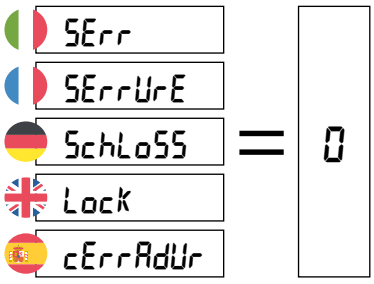


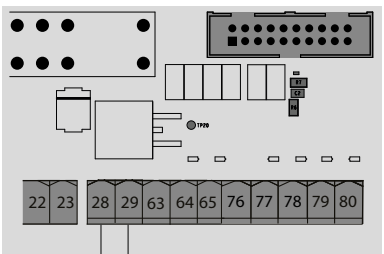


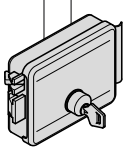
24 V

1 ECB

12V

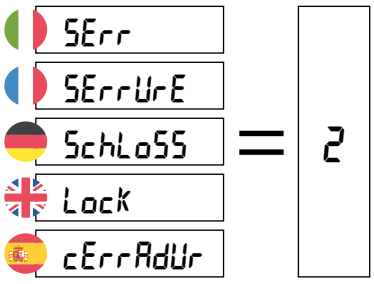


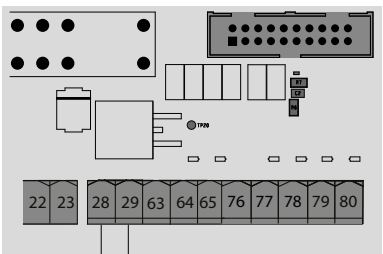


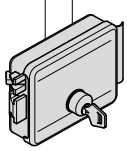


1 ECB

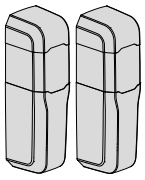
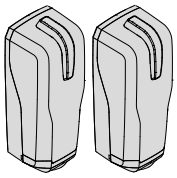
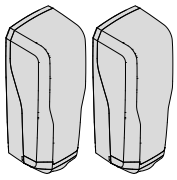
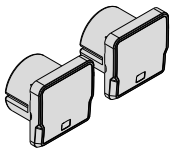
24V





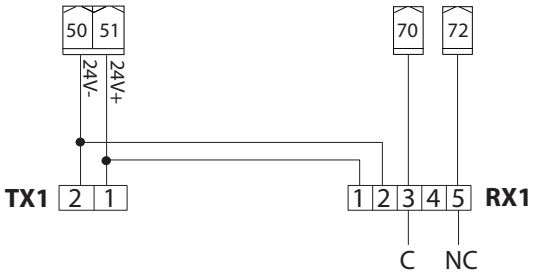


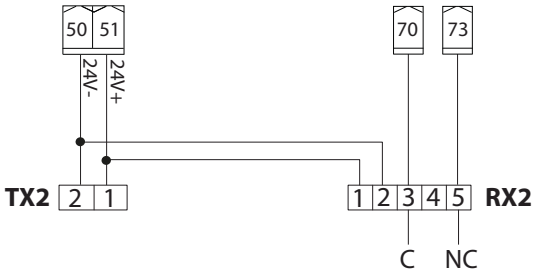
SAFE 1 / SAFE 2
Connection Example

Fotocellule non verificate (Check ogni 6 mesi)
Photocells not checked (Check every 6 months)
Photocellules non vérifiées (contrôle tous les 6 mois)
Fotozellen nicht überprüft (alle 6 Monate überprüfen)
Fotocélulas no controladas (Control cada 6 meses)
Fotocellen niet gecontroleerd (Check elke 6 maanden)

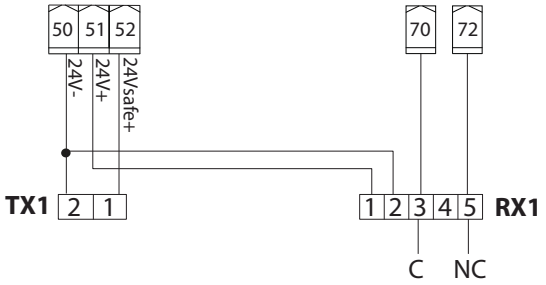
C

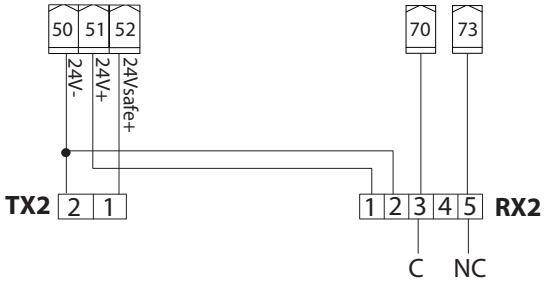




Fotocellula verificata
Photocell checked
Photocellule vérifiée
Fotozelle überprüft
Fotocélula controlada
Fotocel gecontroleerd

D





ITALIANO

È NECESSARIO SEGUIRE QUESTA SEQUENZA DI REGOLAZIONI:

1 - Autoset
2 - Programmazione radiocomando
3 - Eventuali regolazioni dei parametri / logiche

ENGLISH

IT IS NECESSARY TO FOLLOW THIS SEQUENCE OF ADJUSTMENTS:

1 - Autoset
2 - Programming remote controls
3 - Setting of parameters/logic, where necessary

FRANÇAIS

VOUS DEVEZ OBLIGATOIREMENT SUIVRE CETTE SÉQUENCE DE RÉGLAGES:

1 - Réglage automatique (autoset)
2 - Programmation de la radiocommande
3 - Réglages éventuels des paramètres / logiques

DEUTSCH

DIESE SEQUENZ DER EINSTELLUNGEN MUSS BEFOLGT WERDEN:

1 - Autoset
2 - Programmierung fernbedienung
3 - Eventuelle einstellungen der parameter / logiken

ESPAÑOL

ES NECESARIO SEGUIR ESTA SECUENCIA DE AJUSTES:

1 - Autoset
2 - Programación de radiomando
3 - Eventuales regulaciones de los parámetros / lógicas

NEDERLANDS

VERRICHT DE VOLGENDE REGELINGEN:

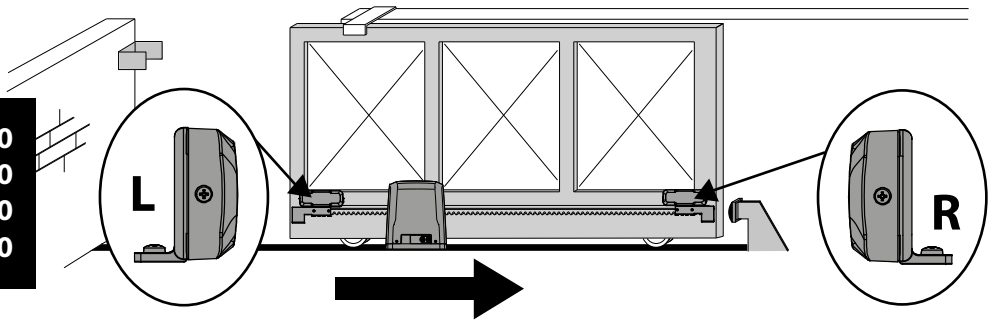
1 - Autoset
2 - Programmering afstandsbediening
3 - Eventuele regelingen van de parameters / logica's

ALTERNATIVE DI INSTALLAZIONE - INSTALLATION ALTERNATIVES
ALTERNATIVES D'INSTALLATION - INSTALLATIONSALTERNATIVEN
ALTERNATIVAS DE INSTALACIÓN - ALTERNATIEVEN VOOR INSTALLATIE

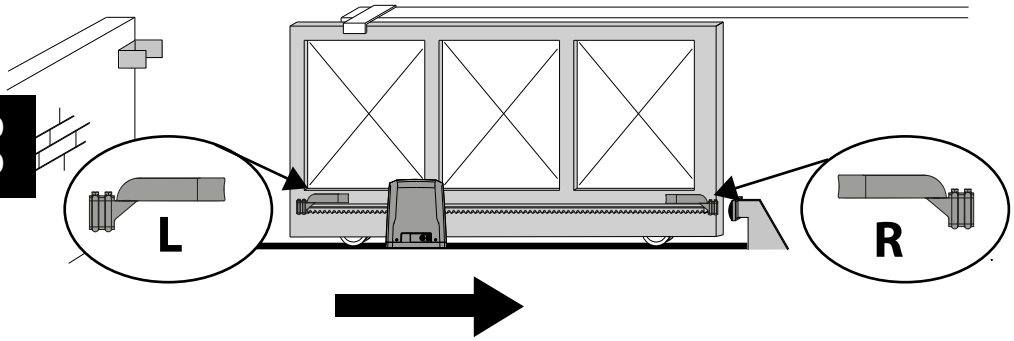
E

1

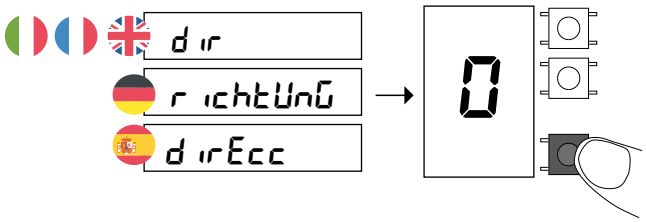
DEIMOS ULTRA BT B 400
DEIMOS ULTRA BT B 600
ARES ULTRA BT B 1000
ARES ULTRA BT B 1500



ARES VELOCE BT B 500
ARES VELOCE BT B 1000

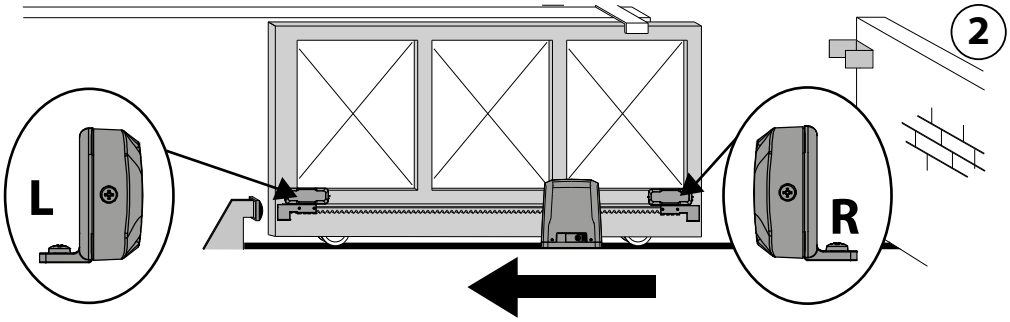


verso di apertura: destra
opening direction: right
sens de l'ouverture : droite
Öffnungsrichtung: rechts
sentido de apertura: derecha
openingsrichting: rechtsverso

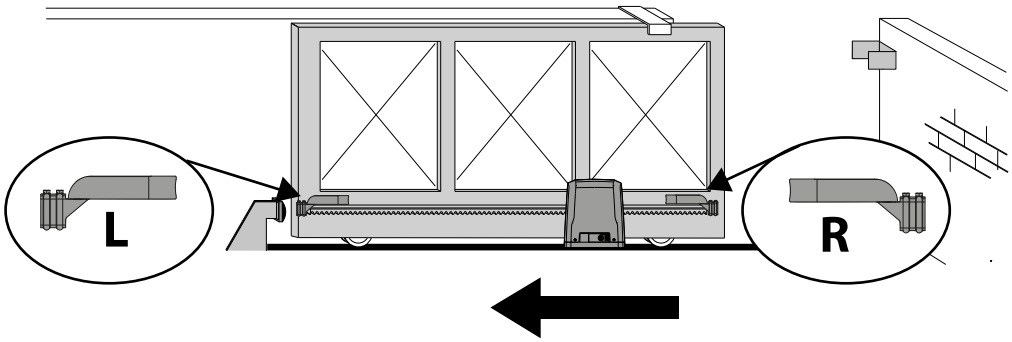


2

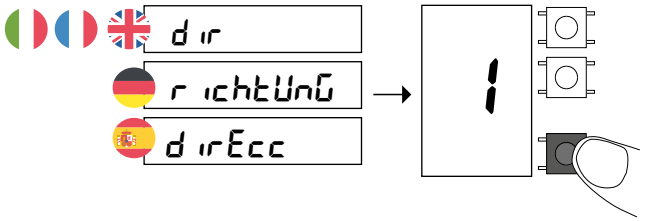
DEIMOS ULTRA BT B 400
DEIMOS ULTRA BT B 600
ARES ULTRA BT B 1000
ARES ULTRA BT B 1500



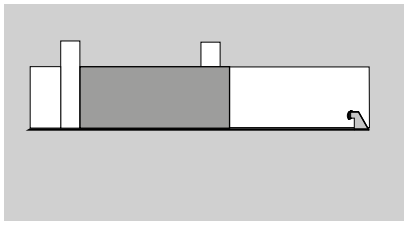
ARES VELOCE BT B 500
ARES VELOCE BT B 1000

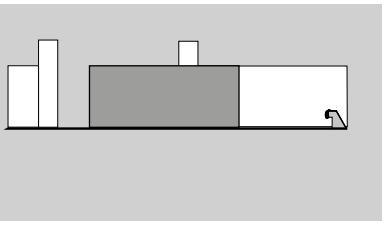


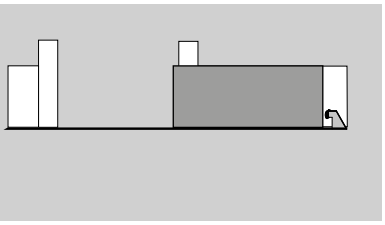
verso di apertura: sinistra
opening direction: left
sens de l'ouverture : gauche
Öffnungsrichtung: links
sentido de apertura: izquierda
openingsrichting: links

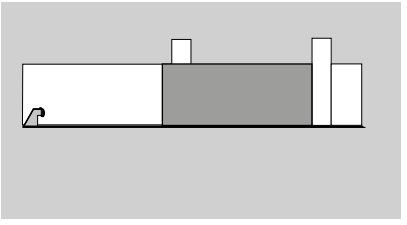


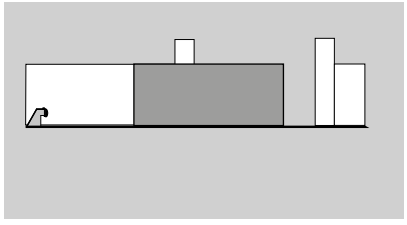
DIAGNOSTICS

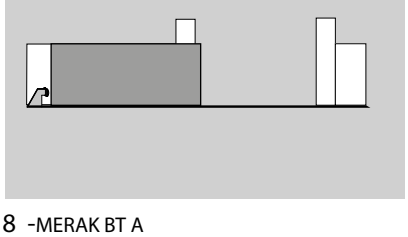


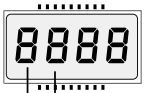












c= Attivazione ingresso finecorsa chiusura SWC

c= Activation of SWC closure limit-switch input

c= Activation entrée fin de course de fermeture SWC

c= Aktivierung Endschaltereingang Schließung SWC

c= Activación entrada final de carrera de cierre SWC

c= Activering ingang eindaanslag sluiting SWC

o= Attivazione ingresso finecorsa apertura SWO

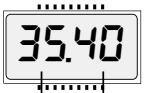
o= Activation of SWO opening limit-switch input

o= Activation entrée fin de course d'ouverture SWO

o= Aktivierung Endschaltereingang Öffnung SWO

o= Activación entrada final de carrera de apertura SWO

o= Activering ingang eindaanslag opening SWO



Forza impostata da autoset
Force set by autoset
Forcer le réglage par autoset
Forza impostata da autoset
Forza impostata da autoset
Forza impostata da autoset

Forza istantanea motore
Instantaneous force motor
Force instantanée du moteur
Momentane Kraft Motor
Fuerza instantánea motor
Momentane kracht motor

SOLO PER / ONLY FOR
UNIQUEMENT SUR - NUR FÜR
SOLO PARA / APENAS PARA

ARES VELOCE BT B 500
ARES VELOCE BT B 1000

attivazione sblocco meccanico del motore
activation of mechanical release of the motor.
activation du déblocage mécanique du moteur.
aktivierung der mechanischen freigabe des motors.
activación del desbloqueo mecánico del motor.
activering mechanische ontgrendeling motor.

SAFE1 - SAFE2

F

TEST ON

Fotocellula verificata
Photocell checked
Photocellule vérifiée
Fotozelle überprüft
Fotocélula controlada
Fotocel gecontroleerd

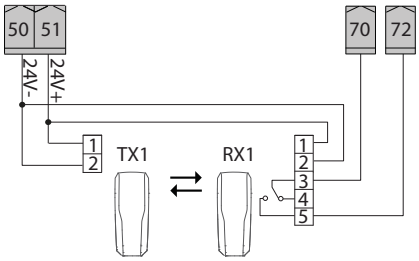
TEST OFF

Fotocellule non verificate (Check ogni 6 mesi)
Photocells not checked (Check every 6 months)
Photocellules non vérifiées (contrôle tous les 6 mois)
Fotozellen nicht überprüft (alle 6 Monate überprüfen)
Fotocélulas no controladas (Control cada 6 meses)
Fotocellen niet gecontroleerd (Check elke 6 maanden)

SAFE1

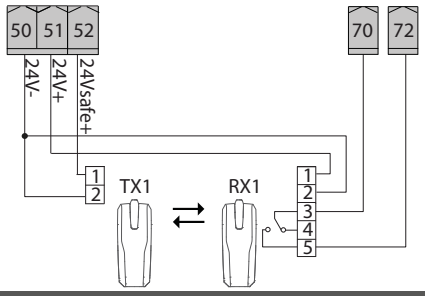
(1PHOT / 1 PHOT OP/ 1 PHOT CL)

1 — TEST OFF — SAFE1= 0,2,4



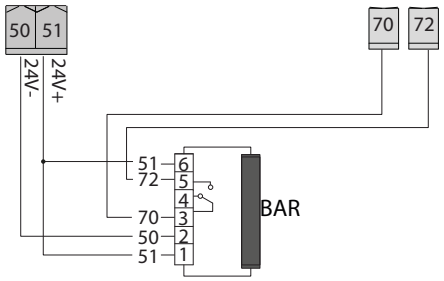
(1 PHOT / 1 PHOT OP/ 1 PHOT CL)

2 — TEST ON — SAFE1= 1,3,5



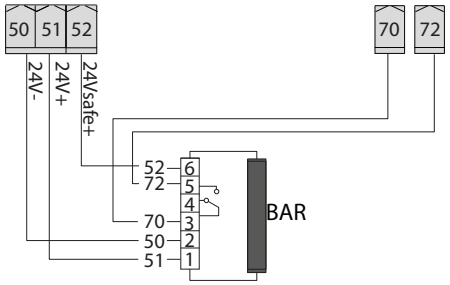
(1 BAR / 1 BAR OP/ 1 BAR CL)

3 — TEST OFF — SAFE1= 6,9,12



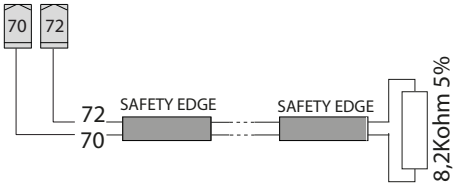
(1 BAR / 1 BAR OP/ 1 BAR CL)

4 — TEST ON — SAFE1= 7,10,13



(BAR 8K2/ BAR 8K2 OP/ BAR 8K2 CL)

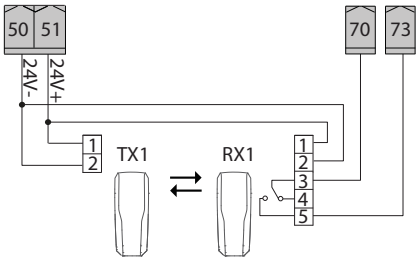
5 — TEST ON — SAFE1= 8,11,14



SAFE2

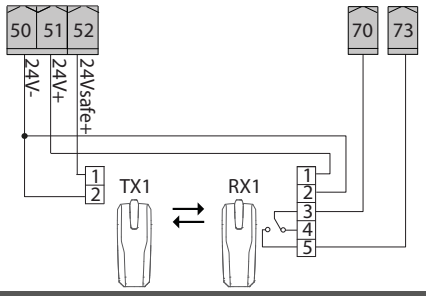
(1PHOT / 1 PHOT OP/ 1 PHOT CL)

1 — SAFE2= 0,2,4



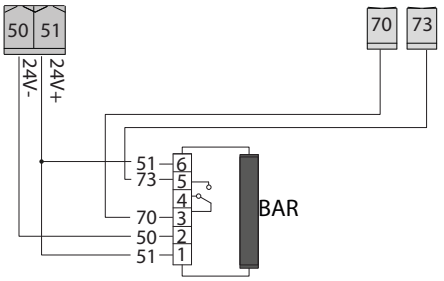
(1 PHOT / 1 PHOT OP/ 1 PHOT CL)

2 — SAFE2= 1,3,5



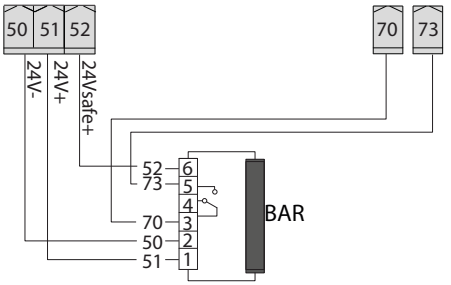
(1 BAR / 1 BAR OP/ 1 BAR CL)

3 — SAFE2= 6,9,12



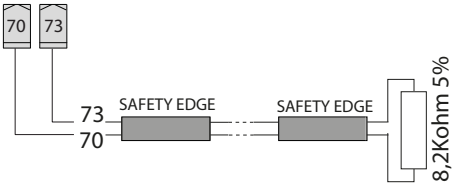
(1 BAR / 1 BAR OP/ 1 BAR CL)

4 — SAFE2= 7,10,13



(BAR 8K2/ BAR 8K2 OP/ BAR 8K2 CL)

5 — SAFE1= 8,11,14



SAFE10 - SAFE11

SOLO CON SCHEDA DI ESPANSIONE - ONLY WITH AN EXPANSION CARD
UNIQUEMENT AVEC CARTE D'EXTENSION - NUR MIT ERWEITERUNGSKARTE
SOLO CON TARJETA DE EXPANSIÓN - ALLEEN MET UITBREIDINGSKAART

F

D8144590AR00_08

TEST ON

Fotocellula verificata
Photocell checked
Photocellule vérifiée
Fotozelle überprüft
Fotocélula controlada
Fotocel gecontroleerd

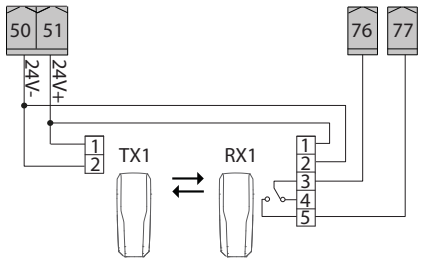
TEST OFF

Fotocellule non verificate (Check ogni 6 mesi)
Photocells not checked (Check every 6 months)
Photocellules non vérifiées (contrôle tous les 6 mois)
Fotozellen nicht überprüft (alle 6 Monate überprüfen)
Fotocélulas no controladas (Control cada 6 meses)
Fotocellen niet gecontroleerd (Check elke 6 maanden)

SAFE10

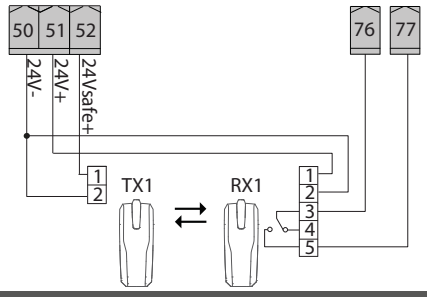
(1PHOT / 1 PHOT OP/ 1 PHOT CL)

1 — TEST OFF — SAFE10= 0,2,4



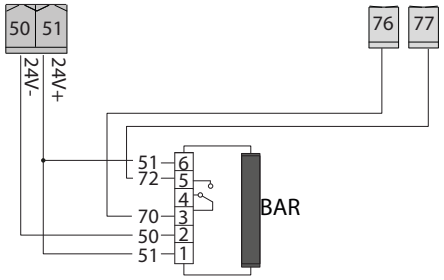
(1 PHOT / 1 PHOT OP/ 1 PHOT CL)

2 — TEST ON — SAFE10= 1,3,5



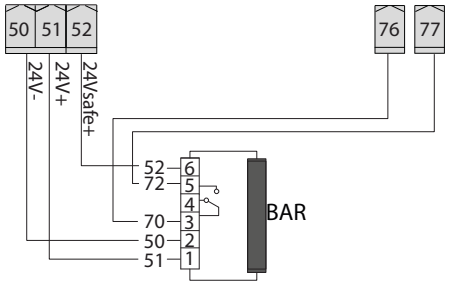
(1 BAR / 1 BAR OP/ 1 BAR CL)

3 — TEST OFF — SAFE10= 6,9,12



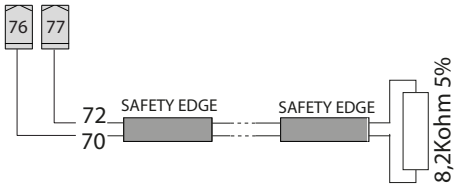
(1 BAR / 1 BAR OP/ 1 BAR CL)

4 — TEST ON — SAFE10= 7,10,13



(BAR 8K2/ BAR 8K2 OP/ BAR 8K2 CL)

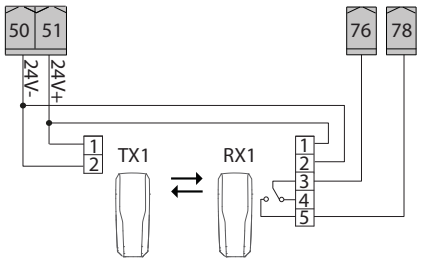
5 — TEST ON — SAFE10= 8,11,14



SAFE11

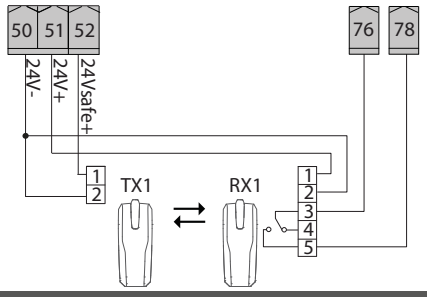
(1PHOT / 1 PHOT OP/ 1 PHOT CL)

1 — SAFE11= 0,2,4



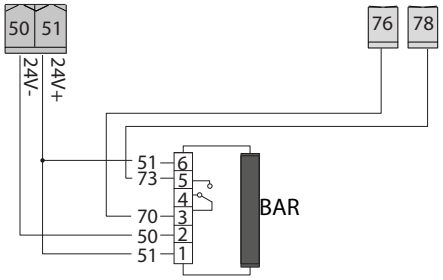
(1 PHOT / 1 PHOT OP/ 1 PHOT CL)

2 — SAFE11= 1,3,5



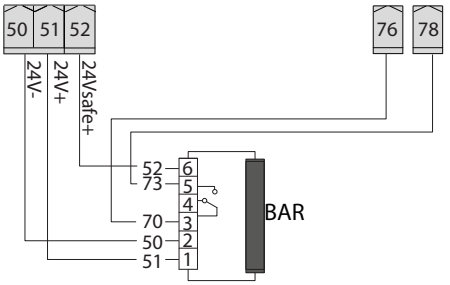
(1 BAR / 1 BAR OP/ 1 BAR CL)

3 — SAFE11= 6,9,12



(1 BAR / 1 BAR OP/ 1 BAR CL)

4 — SAFE11= 7,10,13



5 — SAFE11= 8,11,14

10 -MERAK BT A

SAFE12 - SAFE13

F

SOLO CON SCHEDA DI ESPANSIONE - ONLY WITH AN EXPANSION CARD
UNIQUEMENT AVEC CARTE D'EXTENSION - NUR MIT ERWEITERUNGSKARTE
SOLO CON TARJETA DE EXPANSIÓN - ALLEEN MET UITBREIDINGSKAART

TEST ON

Fotocellula verificata
Photocell checked
Photocellule vérifiée
Fotozelle überprüft
Fotocélula controlada
Fotocel gecontroleerd

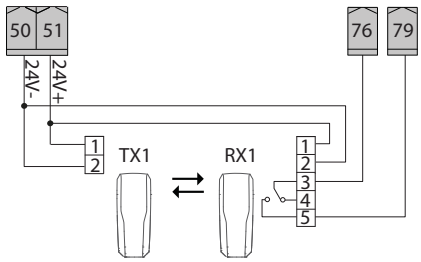
TEST OFF

Fotocellule non verificate (Check ogni 6 mesi)
Photocells not checked (Check every 6 months)
Photocellules non vérifiées (contrôle tous les 6 mois)
Fotozellen nicht überprüft (alle 6 Monate überprüfen)
Fotocélulas no controladas (Control cada 6 meses)
Fotocellen niet gecontroleerd (Check elke 6 maanden)

SAFE12

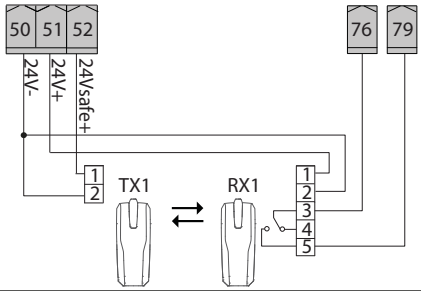
1 — TEST OFF — SAFE12= 0,2,4

(1PHOT / 1 PHOT OP/ 1 PHOT CL)



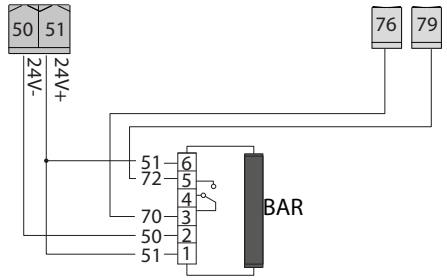
2 — TEST ON — SAFE12= 1,3,5

(1 PHOT / 1 PHOT OP/ 1 PHOT CL)



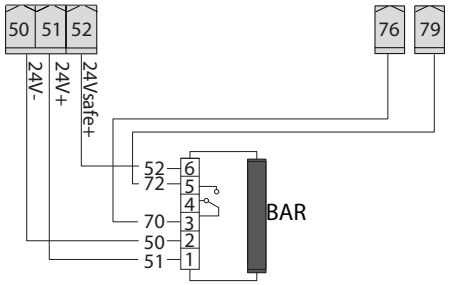
3 — TEST OFF — SAFE12= 6,9,12

(1 BAR / 1 BAR OP/ 1 BAR CL)



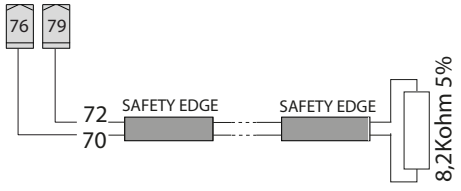
4 — TEST ON — SAFE12= 7,10,13

(1 BAR / 1 BAR OP/ 1 BAR CL)



5 — TEST ON — SAFE12= 8,11,14

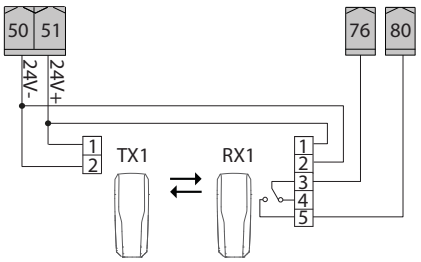
(BAR 8K2/ BAR 8K2 OP/ BAR 8K2 CL)



SAFE13

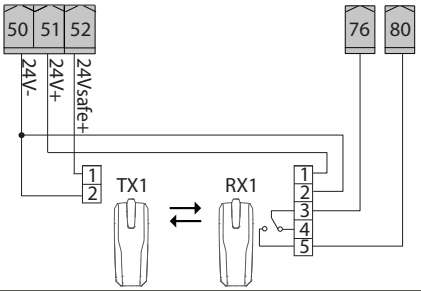
1 — TEST OFF — SAFE13= 0,2,4

(1PHOT / 1 PHOT OP/ 1 PHOT CL)



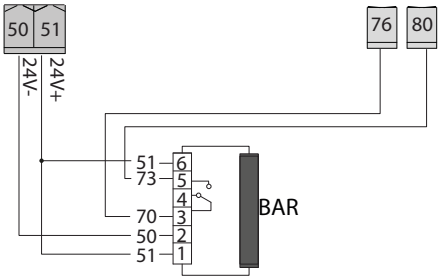
2 — TEST ON — SAFE13= 1,3,5

(1 PHOT / 1 PHOT OP/ 1 PHOT CL)



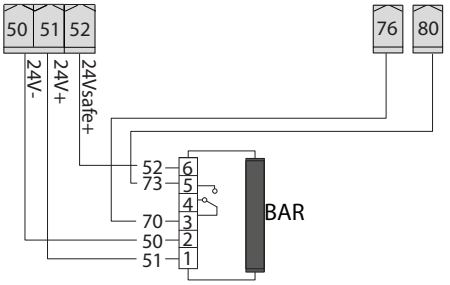
3 — TEST OFF — SAFE13= 6,9,12

(1 BAR / 1 BAR OP/ 1 BAR CL)



4 — TEST ON — SAFE13= 7,10,13

(1 BAR / 1 BAR OP/ 1 BAR CL)



5 — TEST ON — SAFE13= 8,11,14

Leggere con ATTENZIONE la legenda, informazioni importanti per la corretta riuscita della programmazione del motore.

Read the legend CAREFULLY. It contains important information for successful programming of the motor.

Lire ATTENTIVEMENT la légende et les informations importantes pour la bonne réussite de la programmation du moteur.

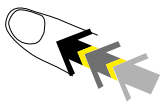
Die Legende GENAU durchlesen, sie enthält wichtige Informationen für die erfolgreiche Programmierung des Motors.

Lea la leyenda con ATENCIÓN, información importante para programar correctamente el motor.

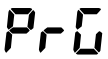
Lees de legenda AANDACHTIG, belangrijke informatie voor een succesvolle programmering van de motor.

LEGENDA - KEY - LEGENDA
LEGENDE - LEYENDA - LEGENDE

(IT) Premere 2 volte rapidamente sul tasto OK
(EN) Press the OK button 2 times in quick succession
(FR) Appuyer 2 fois rapidement sur la touche OK
(DE) Drücken Sie 2 Mal schnell die Taste OK
(ES) Pulse rápidamente el botón OK 2 veces
(NL) Druk 2 keer snel op de knop OK



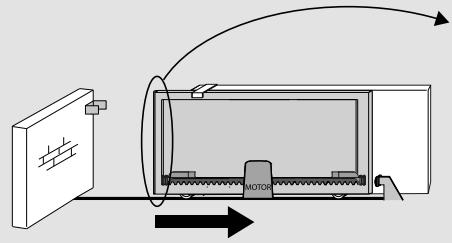
(IT) premere finché compare il parametro desiderato
(EN) press until the desired parameter appears
(FR) appuyer jusqu'à voir le paramètre désiré
(DE) drücken, bis der gewünschte Parameter erscheint
(ES) Pulse hasta que aparezca el parámetro deseado
(NL) druk tot de gewenste parameter verschijnt

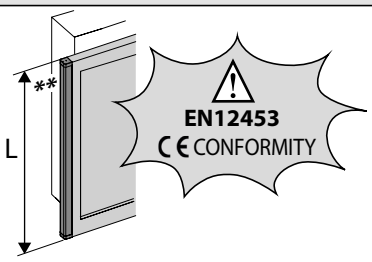


(IT) Programmazione
(EN) Programming
(FR) Sauvegarde en cours
(DE) Backup läuft
(ES) Copia de seguridad en curso
(NL) back-up wordt uitgevoerd

APERTURA VERSO DESTRA
OPENING TO THE RIGHT
OUVERTURE VERS LA DROITE
ÖFFNUNG NACH RECHTS
APERTURA HACIA LA DERECHA
OPENING NAAR RECHTS

G



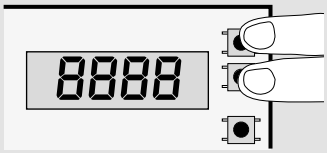


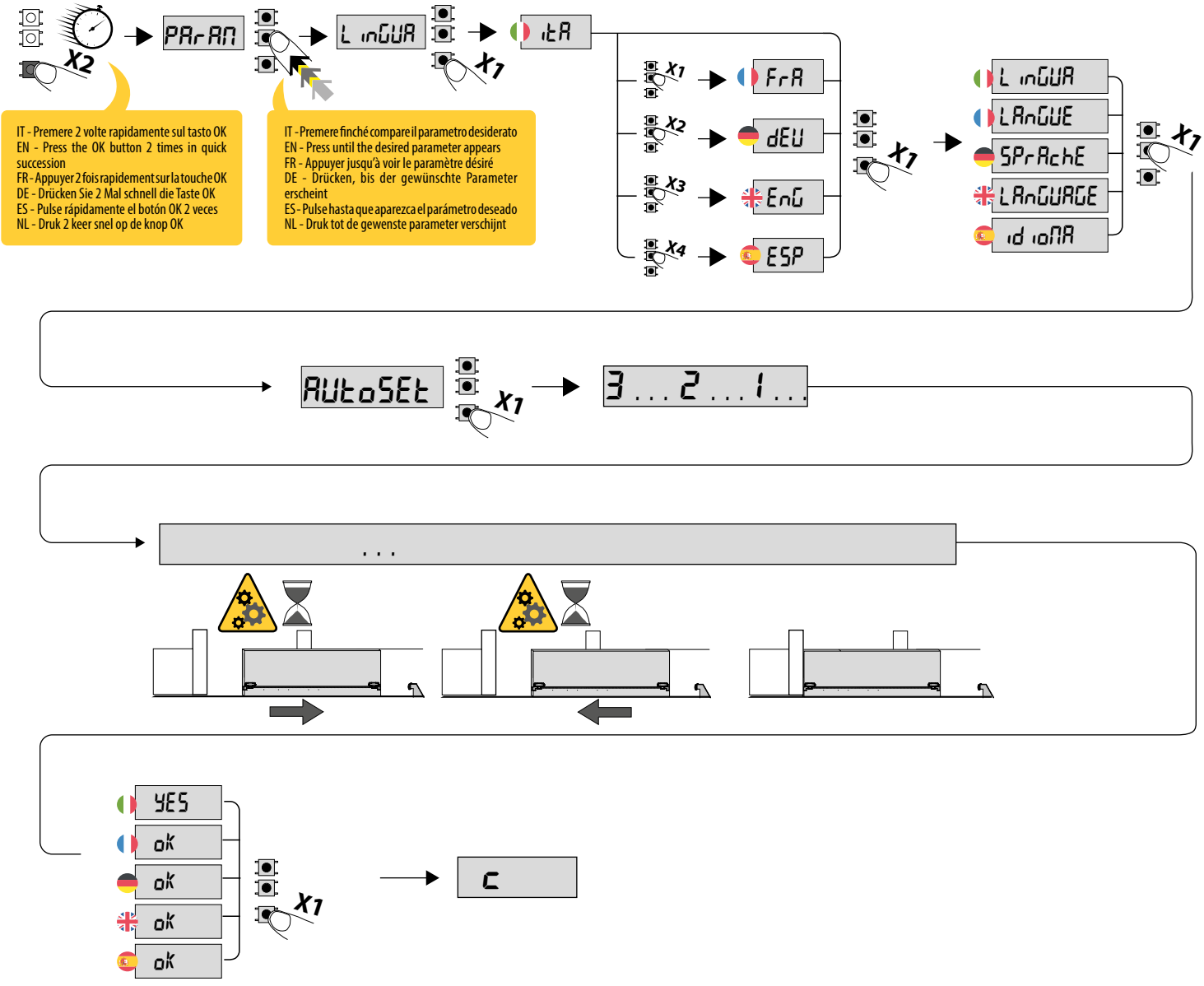
** DEIMOS ULTRA BT B 400/600
ARES ULTRA BT B 1000/1500

** ARES VELOCE BT B 500/1000

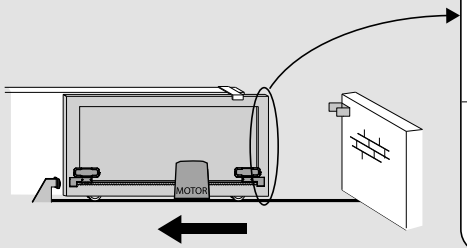
BUY BFT
Mod. CSP
Cod. N190039
Cod. N190040
Cod. N190041

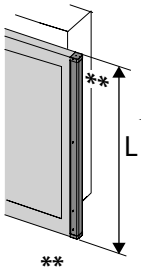
** BUY
Active Safety Edge
EN12978





APERTURA VERSO SINISTRA
OPENING TO THE LEFT
OUVERTURE VERS LA GAUCHE
ÖFFNUNG NACH LINKS
APERTURA HACIA LA IZQUIERDA
OPENING NAAR LINKS





EN12453
CE CONFORMITY

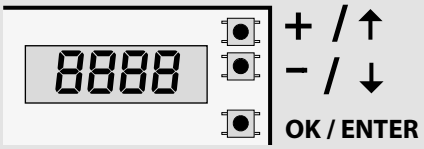
** DEIMOS ULTRA BT B 400/600
ARES ULTRA BT B 1000/1500

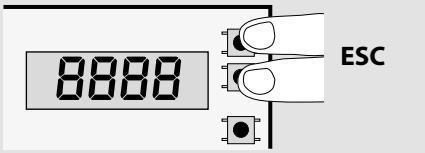
** ARES VELOCE BT B 500/1000

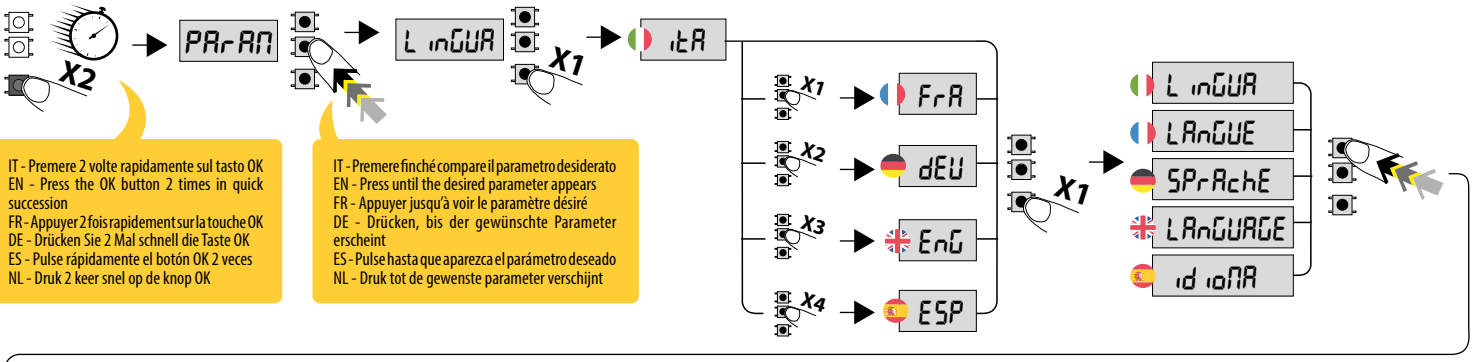
BUY BFT
Mod. CSP
Cod. N190039
Cod. N190040
Cod. N190041

** BUY
Active Safety Edge
EN12978

G

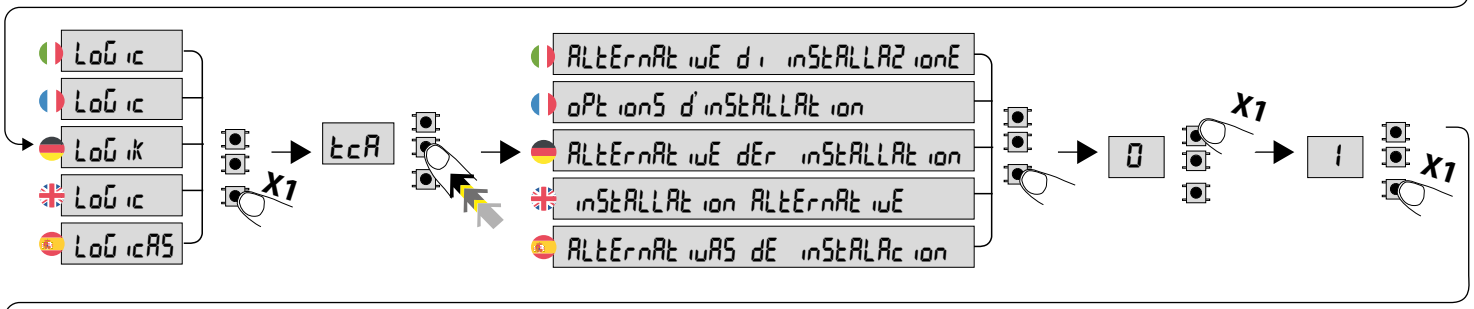


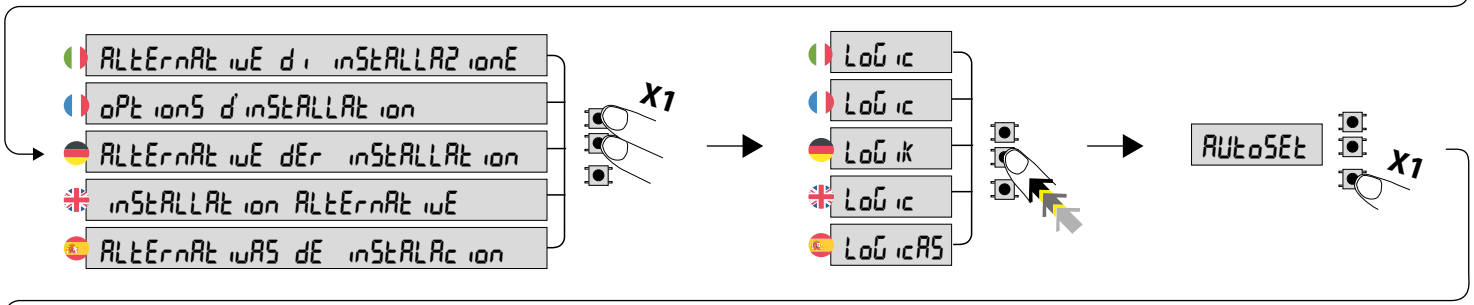


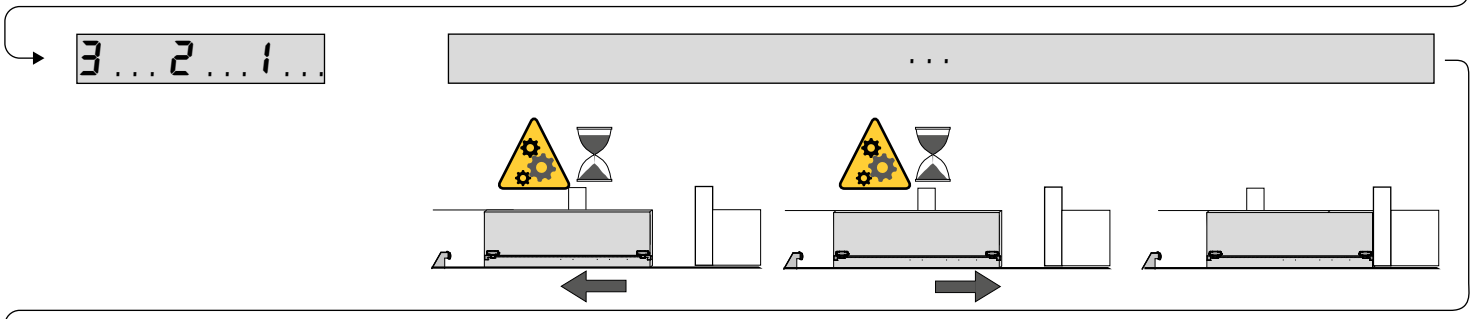


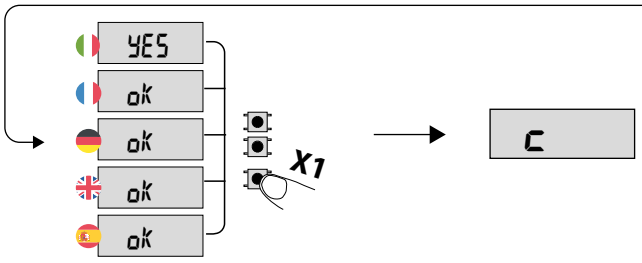
IT - Premere 2 volte rapidamente sul tasto OK
EN - Press the OK button 2 times in quick succession
FR - Appuyer 2 fois rapidement sur la touche OK
DE - Drücken Sie 2 Mal schnell die Taste OK
ES - Pulse rápidamente el botón OK 2 veces
NL - Druk 2 keer snel op de knop OK

IT - Premere finché compare il parametro desiderato
EN - Press until the desired parameter appears
FR - Appuyer jusqu'à voir le paramètre désiré
DE - Drücken, bis der gewünschte Parameter erscheint
ES - Pulse hasta que aparezca el parámetro deseado
NL - Druk tot de gewenste parameter verschijnt



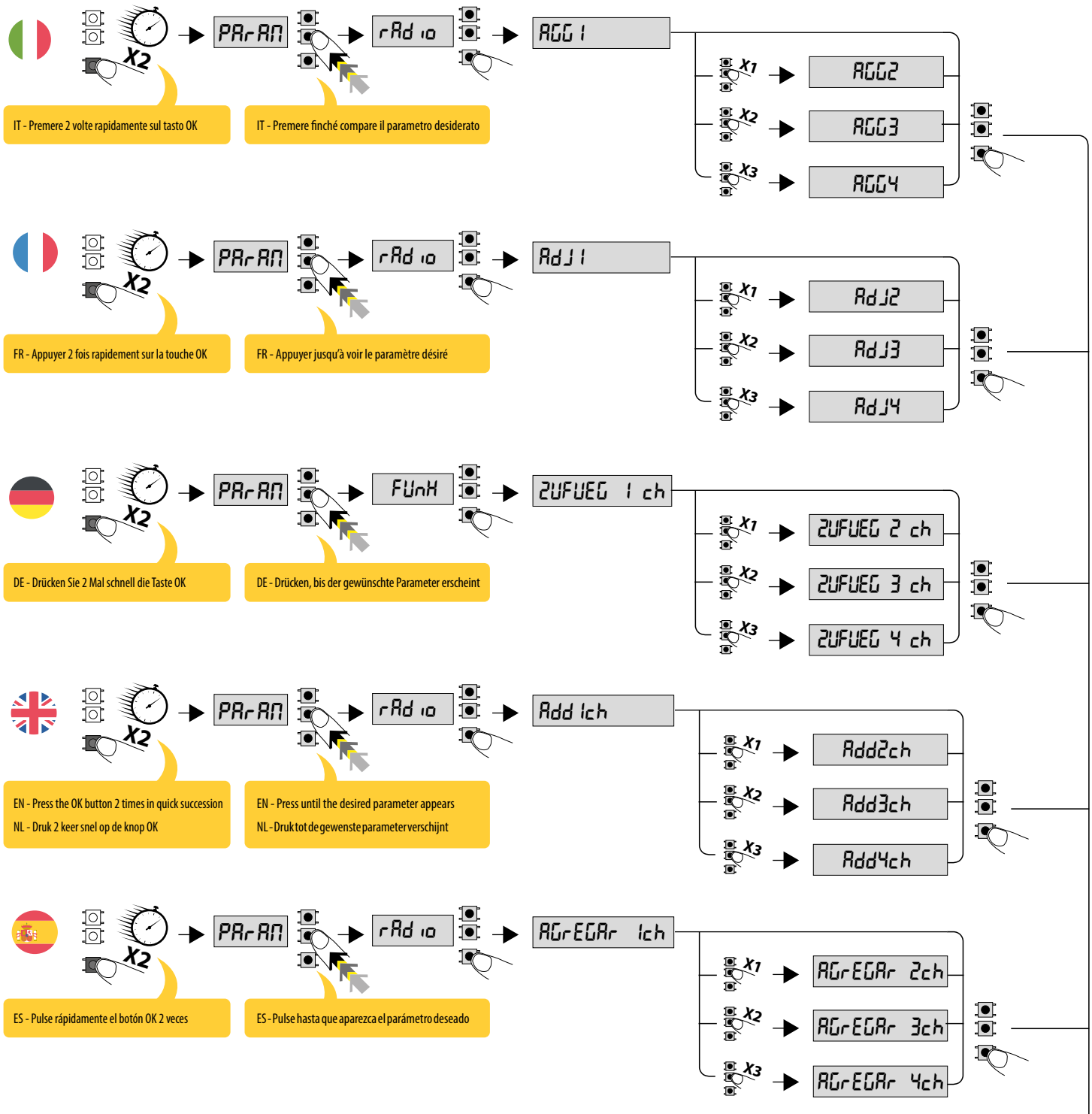


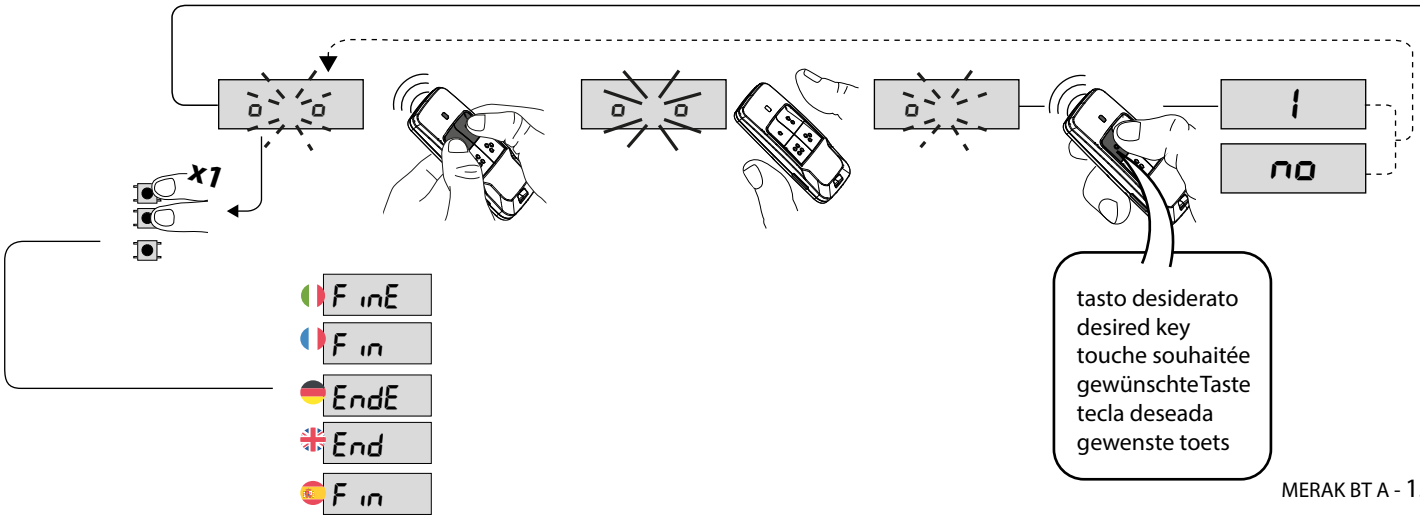




MEMORIZZAZIONE DEI TRASMETTITORI - MEMORISATION OF TRANSMITTERS
MÉMORISATION DES ÉMETTEURS - SPEICHERUNG DER SENDER
MEMORIZACIÓN DE LOS TRANSMISORES - OPSLAAN VAN ZENDERS

H

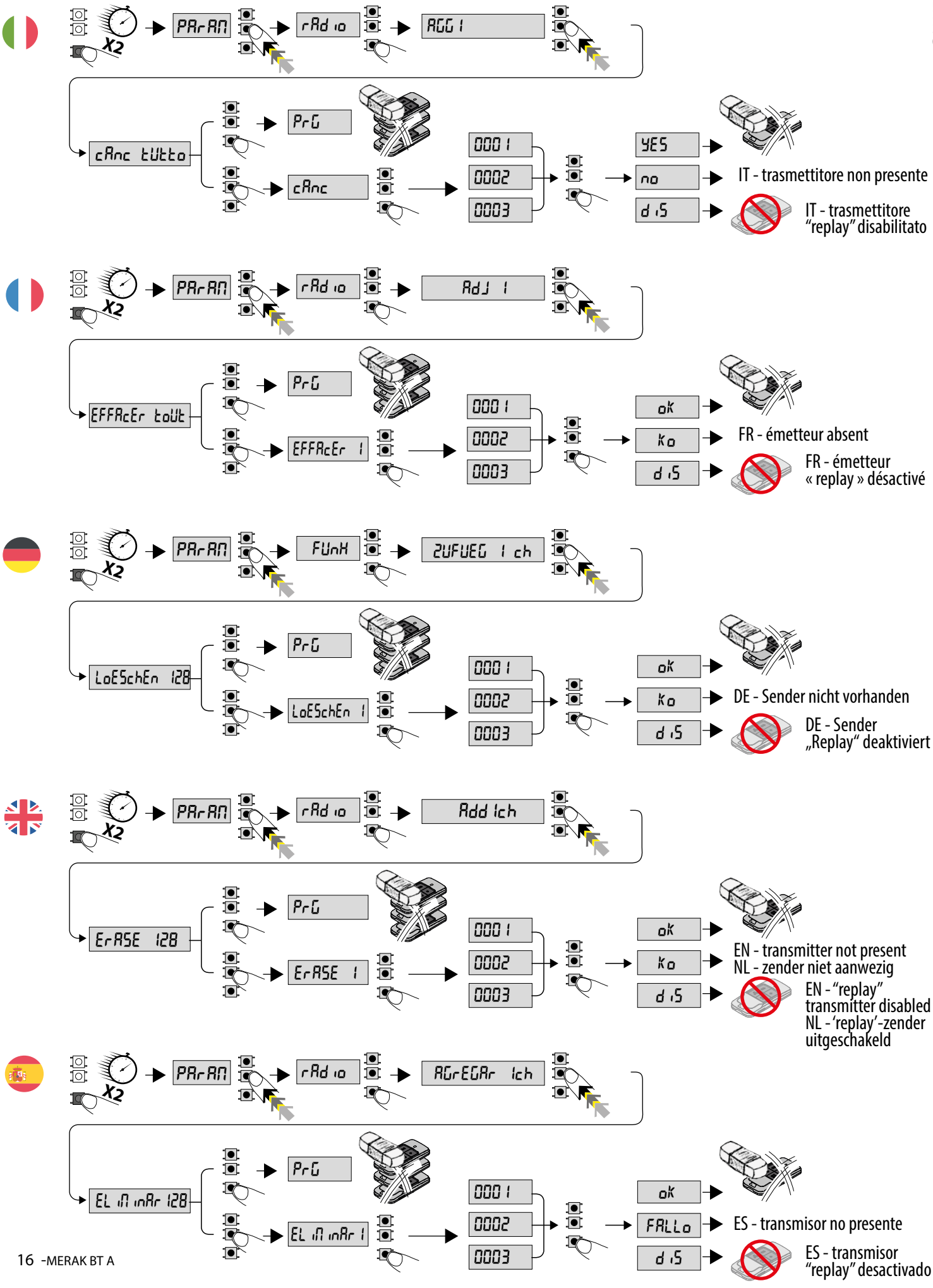


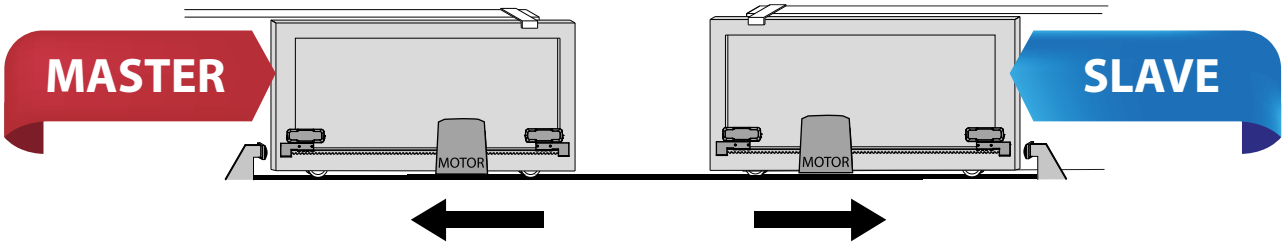


CANCELLAZIONE TRASMETTITORI - TRANSMITTERS CANCELLATION - ANNULATION DES ÉMETTEURS LÖSCHEN DER SENDER - ELIMINACIÓN TRANSMISORES - WISSEN ZENDERS

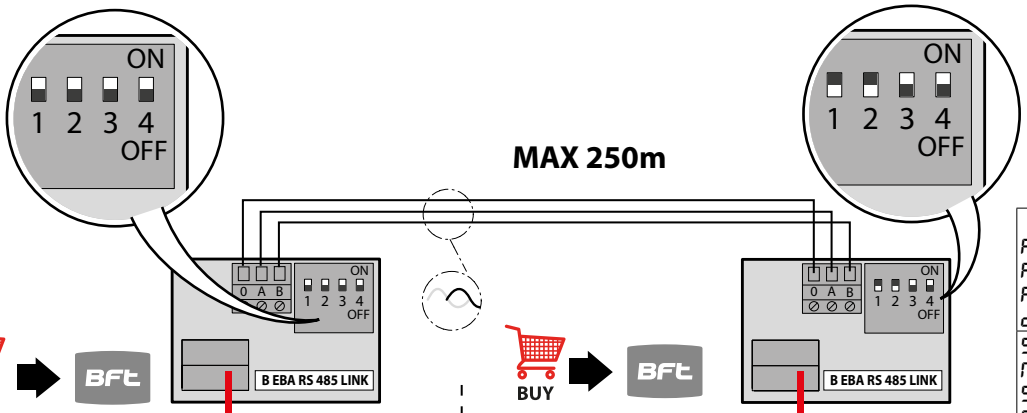
I

D814459 0AR00_08

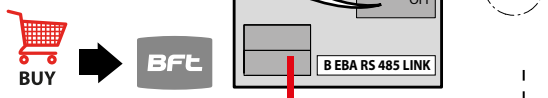




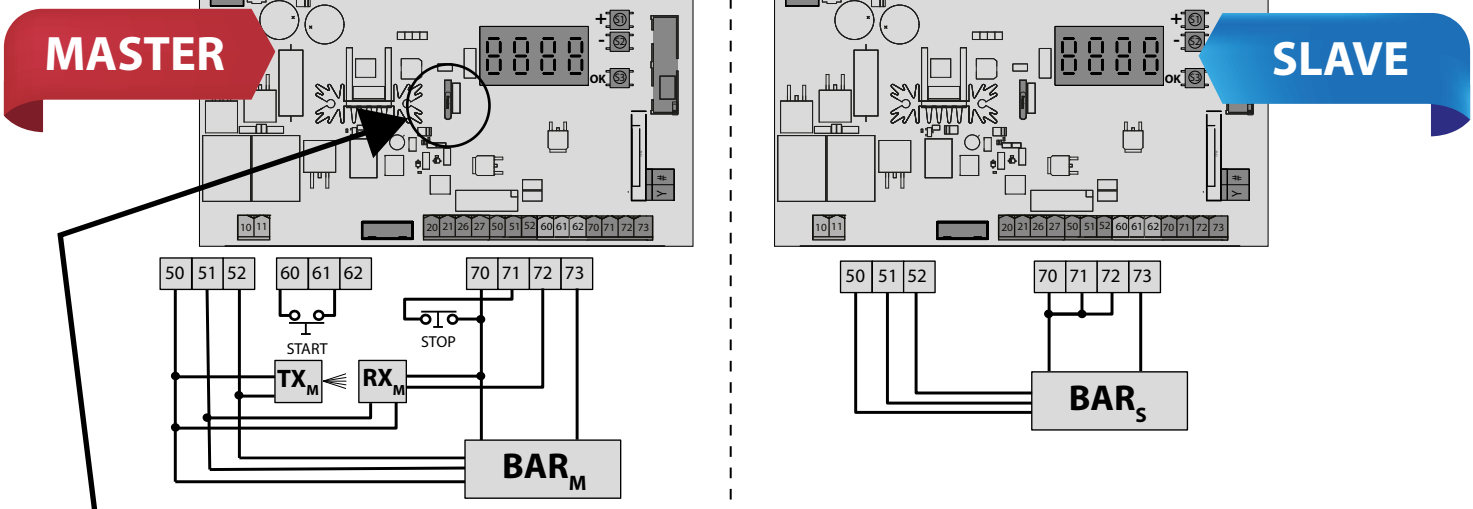
L



ind ir i22o =0
AddrESS =0
AdrESSE =0
AdrESSE =0
d irEcc ion =0
SEr iAL ModE =3
ModE SEr iE =3
SEr iELLEr ModUS =3
Modo SEr iA =3
UL inH !=1

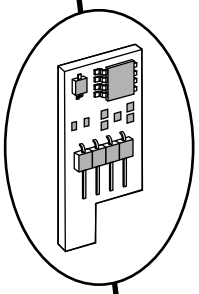


ind ir i22o =0
AddrESS =0
AdrESSE =0
AdrESSE =0
d irEcc ion =0
SEr iAL ModE =2
ModE SEr iE =2
SEr iELLEr ModUS =2
Modo SEr iA =2
UL inH !=1



SAFE 1 = 1
SAFE 2 = 7 (≥6)

SAFE 2 SLAVE = SAFE 2 MASTER



L'AUTOSET DEVE ESSERE EFFETTUATO SEPARATAMENTE SULLE 2 ANTE PRIMA DI IMPOSTARE LA FUNZIONE ANTE CONTRAPPOSTE.

THE AUTO-SET MUST BE PERFORMED SEPARATELY ON THE 2 LEAVES BEFORE SETTING THE FUNCTION OF THE OPPOSITE LEAVES.

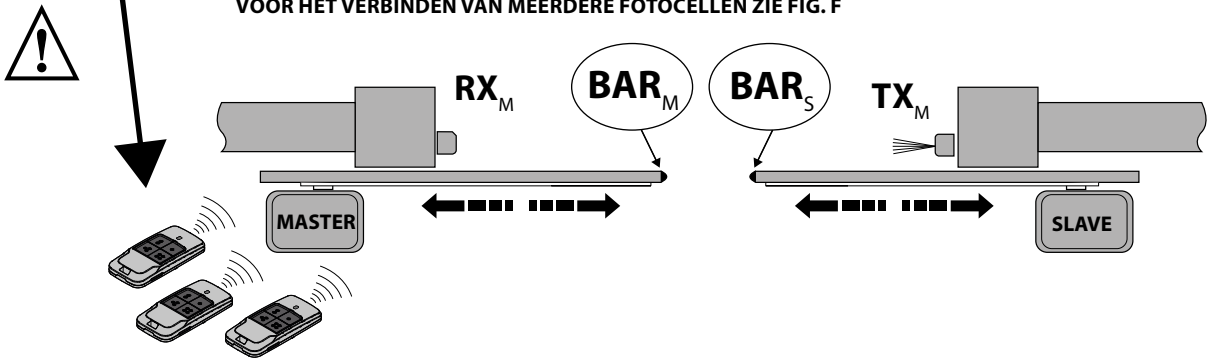
LE RÉGLAGE AUTOMATIQUE DOIT ÊTRE EFFECTUÉ SÉPARÉMENT SUR LES 2 VANTAUX AVANT DE RÉGLER LA FONCTION DES VANTAUX OPPOSÉS.

DIE FUNKTION AUTOSET MUSS SEPARAT AN DEN 2 TORFLÜGELN DURCHGEFÜHRT WERDEN, BEVOR DIE FUNKTION DER ENTGEGENGESETZTEN TORFLÜGEL EINGESTELLT WIRD.

LA PRUEBA DEBE REALIZARSE POR SEPARADO EN LAS 2 HOJAS ANTES DE CONFIGURAR LA FUNCIÓN HOJAS CONTRAPUESTAS.

DE AUTOSET MOET AFZONDERLIJK UITGEVOERD WORDEN OP DE 2 VLEUGELS VOORDAT DE FUNCTIE VAN DE TEGENOVERGESTELDE VLEUGELS WORDT INGESTELD.

PER IL COLLEGAMENTO DI PIÙ FOTOCELLULE FARE RIFERIMENTO ALLA FIG. F -
TO CONNECT SEVERAL PHOTOCELLS, REFER TO FIG. F
POUR BRANCHER PLUSIEURS PHOTOCELLULES CONSULTEZ LA FIG. F
BITTE NEHMEN SIE FÜR DEN ANSCHLUSS MEHRERER FOTOZELLEN AUF FIG. F BEZUG.
PARA LA CONEXIÓN DE VARIAS FOTOCÉLULAS CONSULTAR LA FIG. F -
VOOR HET VERBINDEN VAN MEERDERE FOTOCELLEN ZIE FIG. F



RIPRISTINO DELLE IMPOSTAZIONI DI FABBRICA

ATTENZIONE riporta la centrale ai valori preimpostati da fabbrica e vengono cancellati tutti i radiocomandi in memoria.
ATTENZIONE! Un'errata impostazione può creare danni a persone, animali o cose.

RESTORING FACTORY SETTINGS

WARNING: this operation will restore the control unit's factory settings and all transmitters stored in its memory will be deleted.
WARNING! Incorrect settings can result in damage to property and injury to people and animals.

RÉTABLISSEMENT DES CONFIGURATIONS D'USINE

ATTENTION ramène la centrale aux valeurs préconfigurées en usine et toutes les radiocommandes mémorisées sont effacées.
ATTENTION ! Toute erreur de configuration peut causer des préjudices aux personnes, aux animaux et aux biens.

WIDERHERSTELLUNG DER WERKSEINSTELLUNG

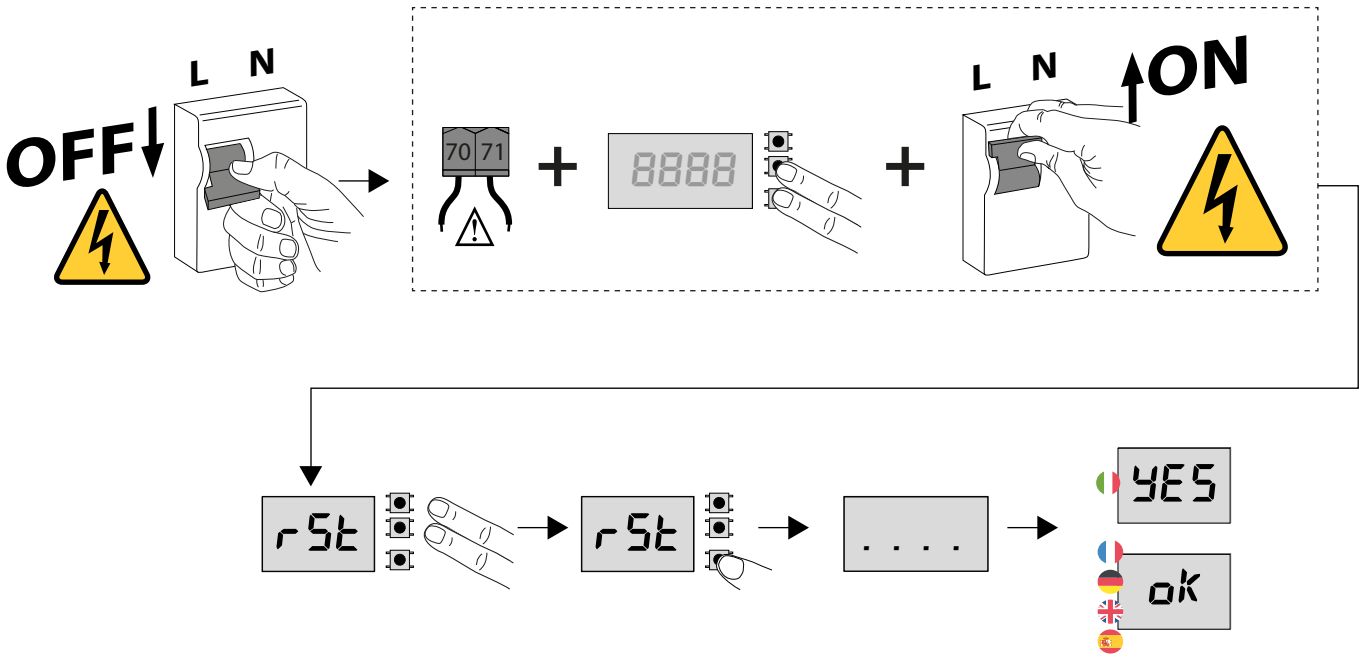
ACHTUNG: Das Steuergerät wird auf die Werkseinstellung zurückgestellt und alle abgespeicherten Fernbedienungen werden gelöscht.
ACHTUNG! Ein falsche Einstellung kann zur Verletzung von Personen oder Tieren sowie zu Sachschäden führen.

RESTAURACIÓN DE LAS CONFIGURACIONES DE FÁBRICA

ATENCIÓN lleva la central a los valores preconfigurados de fábrica y se borran todos los radiomandos en la memoria.
¡ATENCIÓN! Una configuración incorrecta, puede ocasionar daños a personas, animales o cosas.

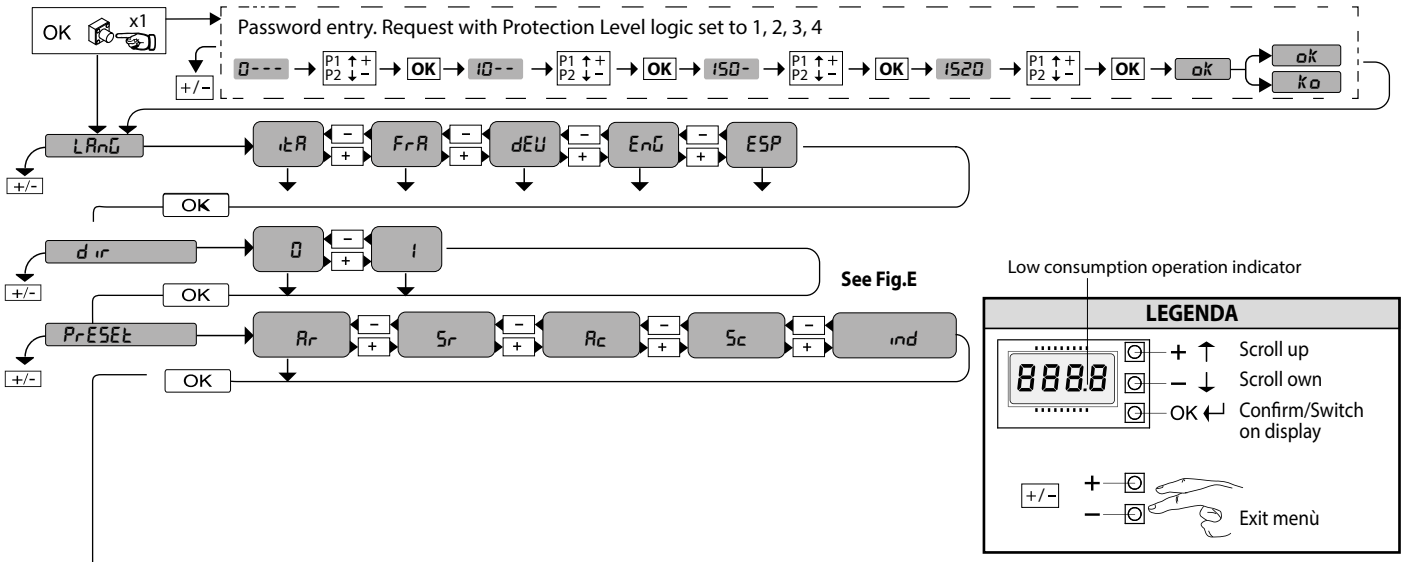
DE FABRIEKSINSTELLINGEN HERSTELLEN

LET OP U herstelt de waarden die door de fabriek zijn ingesteld. De afstandsbedieningen in het geheugen worden gewist.
LET OP! Een verkeerde instelling kan leiden tot schade aan personen, dieren of voorwerpen.



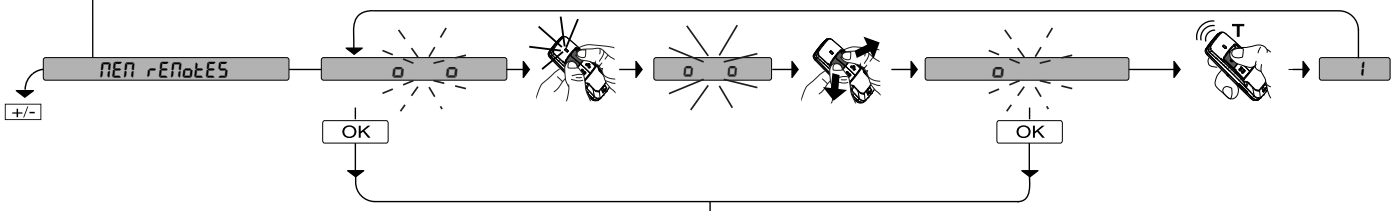
ENGLISH

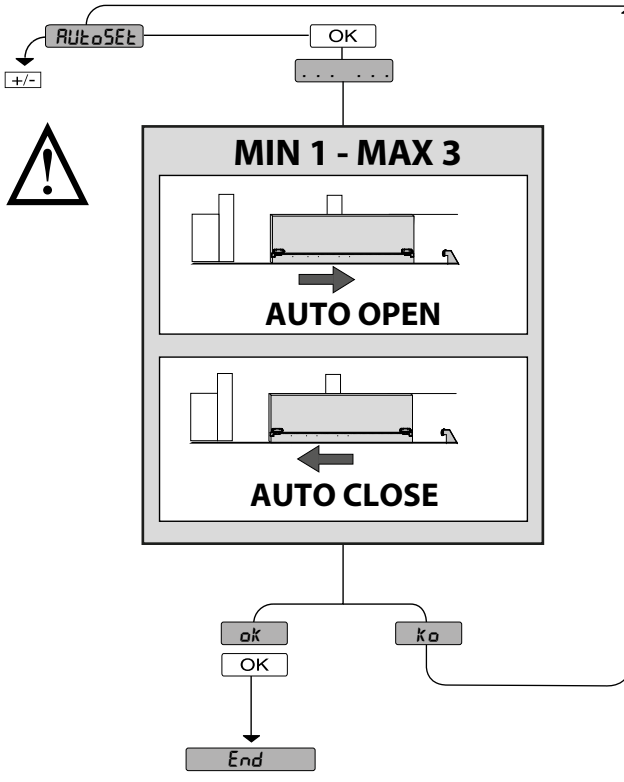
SIMPLIFIED MENU



PRESET	DEFAULT	Ar	Sr	Ac	Sc	ind
PARAMETERS						
LOGIC						
TCA	0	1	0	1	0	0
Step-by-step movement	0	1	0	1	0	0
Pre-alarm	0	0	0	3	3	0
Deadman	0	0	0	0	0	1
Block pulses during opening	0	0	0	1	1	0

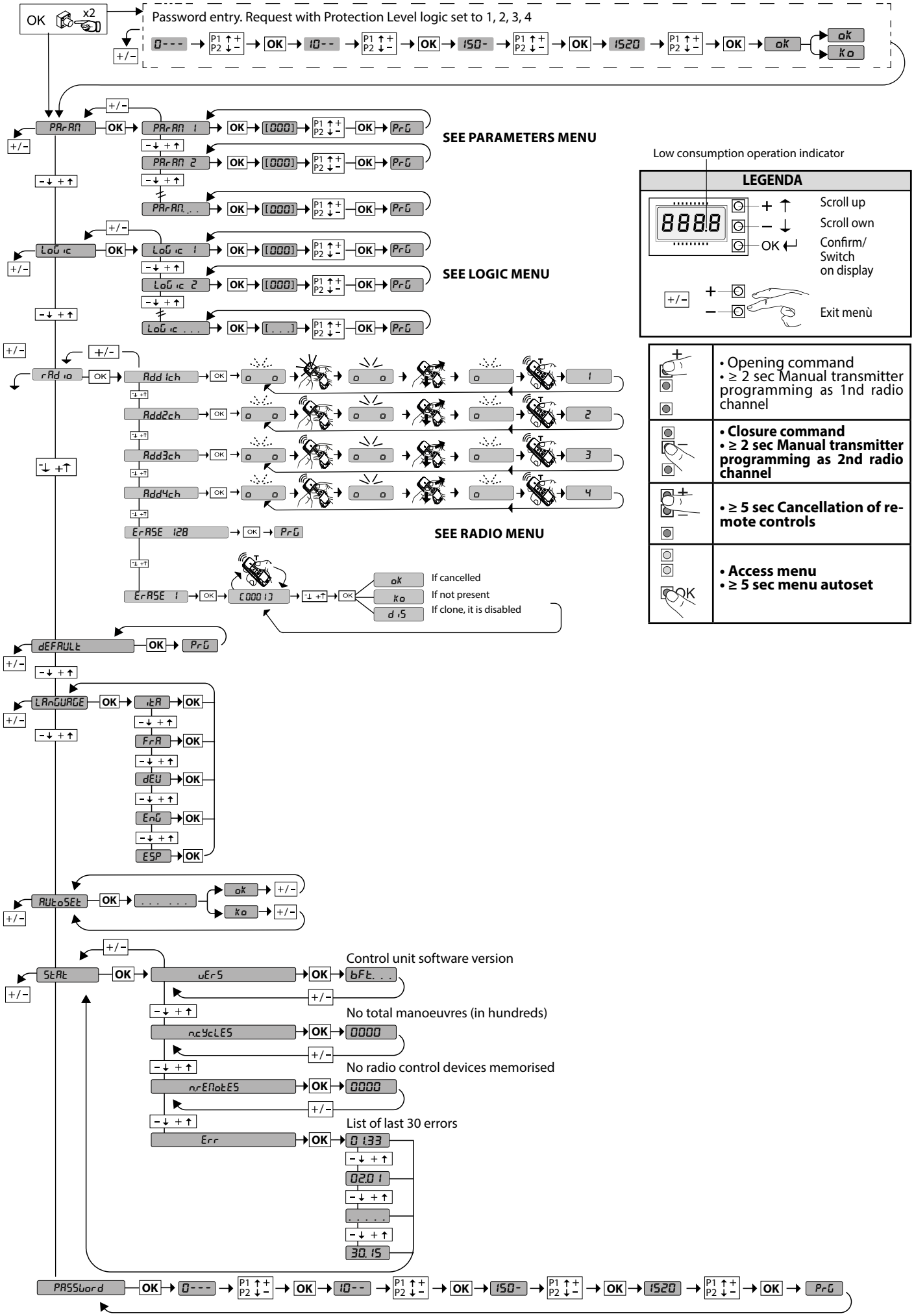
Ar: automatic operation, residential
Sr: semiautomatic operation, residential
Ac: automatic operation, commercial
Sc: semiautomatic operation, commercial
ind: dead man operation





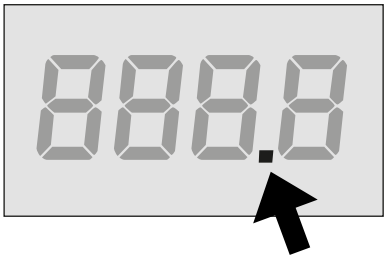
ENGLISH

ACCESS MENUS FIG. 1



D8144590AR00_08

LOW POWER MODE (PSAuE) AND ACCESSORIES



low power mode active

To save energy, the control unit disconnects the power supply to the accessories (terminals 50-51) 10s after the motor is stopped. All accessories are then switched off, the low-power mode is indicated by a dot on the display.
To enable the setting of accessories (e.g. photocell alignment), it is necessary to set PSAuE=0, perform the setting and then set PSAuE=1
If accessories requiring uninterrupted power supply are used (e.g. radio receivers) set PSAuE=0

DIAGNOSTICS

Diagnostics code	Description	Notes
StrE	START E external start input activated	
Str I	START I internal start input activated	
oPEn	OPEN input activated	
cLS	CLOSE input activated	
PEd	PED pedestrian input activated	
t IME	TIMER input activated	
StoP	STOP input activated	
Phot	Activation of PHOT photocell input or, if configured as verified photocell, Activation of the associated FAULT input	
PhoP	Activation of PHOT OP opening photocell input or, if configured as active verified photocell only when opening, Activation of the associated FAULT input	
PhcL	Activation of PHOT CL closing photocell input or, if configured as active verified photocell only when closing, Activation of the associated FAULT input	
bAr	Activation of BAR safety edge input or, if configured as verified safety edge, Activation of the associated FAULT input	
bAro	Activation of BAR safety edge input with ACTIVE reversal ONLY WHILE OPENING, or, if configured as verified safety edge active only while opening, Activation of the associated FAULT input	
bArc	Activation of BAR safety edge input with ACTIVE reversal ONLY WHILE CLOSING, or, if configured as verified safety edge active only while closing, Activation of the associated FAULT input	
SEt	The board is standing by to perform a complete opening-closing cycle uninterrupted by intermediate stops in order to acquire the torque required for movement. WARNING! Obstacle detection not active	
Er01	Photocell test failed	Check photocell connection and/or logic settings
Er02	Safety edge test failed	Check safety edge connection and/or logic settings
Er03	Opening photocell test failed	Check photocell connection and/or parameter/ logic setting
Er04	Closing photocell test failed	Check photocell connection and/or parameter/ logic setting
Er06	8k2 safety edge test failed	Check safety edge connection and/or parameter/ logic settings
Er07	Opening safety edge test failed	Check safety edge connection and/or parameter/ logic settings
Er08	Closing safety edge test failed	Check safety edge connection and/or parameter/ logic settings
Er09	Short circuit test between 2 adjacent safety inputs failed.	Check the safety input connection
Er 1H*	Test hardware card error	- Check connections to motor - Hardware problems at the board (contact technical assistance)
Er3H*	Reverse due to obstacle - Amperostop	Check for obstacles in the path

Diagnostics code	Description	Notes
Er4H*	Thermal	Wait for automated device to cool
Er5H*	Communication error with remote devices	Check connection with serial-connected accessory devices and/or expansion boards
Er72	Consistency error of the control unit's parameters (Logics and Parameters)	Press OK to confirm the detected settings. The board will keep on working with the detected settings. ⚠ **Board settings must be checked** (Parameters and Logics).
Er73	D-track parameter error	Press OK for the board to keep on working with D-track as a default. ⚠ **An autoset is required**
Er83	EEPROM memory error	Check that the memory card has been inserted correctly, try turning the card off and on again. If the problem persists, contact technical assistance.
Er8H*- Er9H*	Internal system supervision control error.	Try switching the board off and back on again. If the problem persists, contact technical assistance.
ErF2	Power supply overload	
ErF3	Error in the logics setting (SAFE inputs, motor type)	Check that the SAFE logic or motor type configuration is correct
ErF4	Auxiliary power output overload	-Check the auxiliary power connections. -Check the total power absorption of the auxiliaries
ErF9	Electric lock output overload	- Check lock connections - Insufficient lock

***H= 0, 1, .., 9, A, B, C, D, E, F**

D8144459 0AR00_08

1) IN GENERAL
The control panel is supplied by the Manufacturer with standard factory settings. Any changes must be set via the built-in display controller.

Its main features are:
- Control of 1 24V BT motors
- Electronic torque control with obstacle detection
- Separate inputs for safety devices
- Radio receiver with built-in rolling code.

The board has a removable terminal strip to facilitate maintenance or replacement operations. It comes with a series of prewired jumpers to make the installer's job on site easier.
The jumpers relate to the terminals: 70-71, 70-72, 70-73. If the aforementioned terminals are being used, remove the relevant jumpers.

2) VERIFICTION
The panel controls (checks) the start relays and safety devices (photocells) before performing each opening and closing cycle.
If there is a malfunction, make sure that the connected devices are operating correctly and check the wiring.

3) TUBE PRE-ARRANGEMENT Fig. A

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 at a suitable distance from the dissipater.
WARNING! For connection to the mains power supply, use a multi-core cable with a minimum cross-section 2x1,5 mm² and of the type indicated by regulations in force.
To connect the motor, use a cable with a cross-sectional area of at least 1.5 mm² of the kind provided for by the regulations in force. The cable must be type H05RN-F at least.

5) TECHNICAL DATA

	DEIMOS ULTRA BT B 400	DEIMOS ULTRA BT B 600	ARES ULTRA BT B 1000	ARES ULTRA BT B 1500	ARES VELOCE BT B 500	ARES VELOCE BT B 1000
Power supply	220-230V 50/60 Hz					
Stand-by consumption	0.43 W					
Max. power	80 W	100 W	130 W	160 W		
Radio frequency	433.92 MHz					
Operating temperature	-20 / +60°C					
Thermal protection	Software					
Accessories power supply	24V ⎓ (≤ 0.5 A)					
AUX 1	Energized contact 24V⎓ N.O. (≤ 1A)					
AUX 2	N.O. contact. (24V ≂ /≤ 1A)					
Max.n° of radio controls that can be saved	128					
	2048 (only with expansion kit)					

Usable transmitter versions:
All ROLLING CODE transmitters compatible with U-Security

	Terminal	Definition	Description
Power supply	L	PHASE	Single-phase power supply 220-230V 50/60 Hz
	N	NEUTRAL	
Motor	10	MOT1 +	Connection motor 1. Check connections shown in Fig.E.
	11	MOT1 -	
Aux	20	AUX 1 - CONTACT POWERED 24V⎓ (≤ 1A)	AUX 1 configurable output - Default setting FLASHING. 2nd RADIO CHANNEL/ SCA GATE OPEN LIGHT/ COURTESY LIGHT command/ ZONE LIGHT command/ STAIR LIGHT/ GATE OPEN ALARM/ FLASHING LIGHT/ MAINTENANCE/ FLASHING LIGHT AND MAINTENANCE. Refer to "AUX output configuration" table.
	21		
	26	AUX 2 - FREE CONTACT (N.O.) (24V ≂ /≤ 1A)	AUX 2 Configurable output - Default output 2nd RADIO CHANNEL. 2nd RADIO CHANNEL/ SCA GATE OPEN LIGHT/ COURTESY LIGHT command/ ZONE LIGHT command/ STAIR LIGHT/ GATE OPEN ALARM/ FLASHING LIGHT. Refer to "AUX output configuration" table.
	27		
Power supply Accessories	50	24V-	Accessories power supply output.
	51	24V+	
	52	24 Vsafe+	Power supply output for checked safety devices (photocell transmitter and safety edge transmitter). Output only active during the operation cycle.
Commands	60	COM IC	IC 1 and IC 2 inputs common
	61	IC 1	Configurable control input 1 (N.O.) - Default START E. START E / START I / OPEN / CLOSE / PED / TIMER / TIMER PED Refer to the "Control input configuration" table.
	62	IC 2	Configurable control input 2 (N.O.) - Default PED. START E / START I / OPEN / CLOSE / PED / TIMER / TIMER PED Refer to the "Control input configuration" table.
Safety devices	70	COM	STOP, SAFE 1 and SAFE 2 inputs common
	71	STOP	The command stops the movement. (N.C.) If not used leave the jumper inserted.
	72	SAFE 1	Configurable safety input 1 (N.C.) - Default PHOT. PHOT / PHOT TEST / PHOT OP / PHOT OP TEST / PHOT CL / PHOT CL TEST / BAR / BAR TEST / BAR 8K2 / BAR OP / BAR OP TEST / BAR 8K2 OP/ BAR CL / BAR CL TEST / BAR 8K2 CL Refer to the "Safety input configuration" table.
	73	SAFE 2	Configurable safety input 2 (N.C.) - Default BAR. PHOT / PHOT TEST / PHOT OP / PHOT OP TEST / PHOT CL / PHOT CL TEST / BAR / BAR TEST / BAR 8K2 / BAR OP / BAR OP TEST / BAR 8K2 OP/ BAR CL / BAR CL TEST / BAR 8K2 CL Refer to the "Safety input configuration" table.
Antenna	Y	ANTENNA	Antenna input. Use an antenna tuned to 433MHz. Use RG58 coaxial cable to connect the Antenna-Receiver. Metal bodies close to the antenna can interfere with radio reception. If the transmitter range is limited, move the antenna to a more suitable position.
	#	SHIELD	

AUX output configuration
Aux logic = 0 - MONOSTABLE RADIO CHANNEL output. The contact remains closed for 1s when the radio channel is activated.
Aux logic= 1 - SCA GATE OPEN LIGHT output. The contact remains closed during opening and when the leaf is open, intermittent during closing, open with leaf closed.
Aux logic= 2 - COURTESY LIGHT control output. The contact remains closed for the time set at t.LiGht
Aux logic= 3 - ZONE LIGHT command output. The contact remains closed for the duration of the manoeuvre.
Aux logic= 4 - STAIR LIGHT output. Contact stays closed for 1 second at start of manoeuvre.
Aux Logic= 5 - OPEN GATE ALARM Output. Contact stays closed if the leaf stays open for twice the set TCA time.
Aux logic= 6 - FLASHING LIGHT output. The contact remains closed during movement of the leaves.
Aux logic= 7 - Not used
Aux logic= 8 - Not used
Aux logic= 9 - MAINTENANCE output. Contact stays closed once the value set for the Maintenance parameter is reached, to report that maintenance is required.
Aux logic= 10 - FLASHING LIGHT AND MAINTENANCE output. The contact remains closed during movement of the leaves. If the value set for the Maintenance parameter is reached, once the manoeuvre is complete and the leaf is closed, the contact closes for 10 sec. and opens for 5 sec. 4 times to report that maintenance is required.
Aux logic= 11 - Not used
Aux logic= 12 - Not used
Aux Logic = 13 - CLOSED GATE output STATUS. The contact remains closed when the gate is closed.
AUX logic = 14 - BISTABLE RADIO CHANNEL output The contact changes status (open-closed) when the radio channel is activated.
Aux Logic = 15 - TIMED RADIO CHANNEL output. The contact remains closed for a programmable time upon activation of the Radio channel (t oUt tEMP) If the button is pressed again during this time, the time count starts again.
Aux logic =16 - OPEN GATE STATUS output. The contact remains closed when the gate is open.

Command input configuration
IC Logic= 0 - Input configured as Start E. Operation according to StEP-bY-StEP Logic. External start for traffic light control.
IC Logic= 1 - Input configured as Start I. Operation according to StEP-bY-StEP Logic. Internal start for traffic light control.
IC Logic= 2 - Input configured as Open. The command performs an opening. If the input stays closed, the leaves stay open until the contact is opened. When the contact is open, the automation closes after the tca time, if activated.
IC Logic= 3 - Input configured as Closed. The command performs a closure action.
IC Logic= 4 - Input configured as Ped. The command performs a (partial) pedestrian opening action. Operation according to StEP-bY-StEP Logic.
IC Logic= 5 - Input configured as Timer. Operation same as open except closing is guaranteed even after a mains power outage.
IC Logic= 6 - Input configured as Timer Ped. The command performs a (partial) pedestrian opening action. If the input stays closed, the leaf stays open until the contact is opened. If the input stays closed and a Start E, Start I or Open command is activated, a complete manoeuvre is performed before returning to the pedestrian opening position. Closing is guaranteed even after a mains power outage.

Safety input configuration
SAFE logic= 0 - Input configured as Phot not verified (*). (fig.F, ref.1). Enables connection of devices not equipped with additional test contacts. In case of obscuration, the photocells are active both in opening and in closing. An obscuration of the photocell during closing, reverses the motion only after the photocell has been disengaged. If not used leave the jumper inserted.
SAFE logic= 1 - Input configured as Phot test, photocell verified). (Fig.F, ref.2). Switches photocell testing on at start of operation. In case of obscuration, the photocells are active both in opening and in closing. An obscuration of the photocell during closing, reverses the motion only after the photocell has been disengaged.
SAFE logic= 2 - Input configured as Phot op, photocell active during opening only, not verified (*) (Fig.F, ref.1). Enables connection of devices not equipped with additional test contacts. If the beam is broken, photocell operation is disabled during closing. During opening, stops motion for as long as the photocell beam stays broken. If not used leave the jumper inserted.
SAFE logic= 3 - Input configured as Phot op test, photocell active during opening only verified (Fig.F, ref.2). Switches photocell testing on at start of operation. If the beam is broken, photocell operation is disabled during closing. During opening, stops motion for as long as the photocell beam stays broken.
SAFE logic= 4 - Input configured as Phot cl, photocell active during closing only not verified (*) (Fig.F, ref.1). Enables connection of devices not equipped with additional test contacts. In case of covering, the photocell operation during opening is excluded. During closing, it immediately reverses. If not used leave the jumper inserted.
SAFE logic= 5 - Input configured as Phot cl test, photocell active during closing only not verified (Fig.F, ref.2). Switches photocell testing on at start of operation. In case of covering, the photocell operation during opening is excluded. During closing, it immediately reverses.
SAFE logic= 6 - Input configured as Bar, safety edge not verified (*)(Fig.F, ref.3). Enables connection of devices not equipped with additional test contacts. The command reverses movement for 2 sec. If not used, leave jumper inserted
SAFE logic= 7 - Input configured as Bar, safety edge verified (Fig.F, ref.4). Activates safety edge test when starting operation. The command reverses movement for 2 sec.
SAFE logic= 8 - Input configured as Bar 8k2 (Fig.F, ref.5). Input for resistive edge 8K2. The command reverses movement for 2 sec.
SAFE logic=9 Input configured as Bar op, safety edge with active inversion only while opening, if activated while closing, the automation stops (STOP) (Fig. F, ref. 3). Enables connection of devices not equipped with additional test contacts. The operation while opening causes the movement to be reversed for 2 seconds, the operation while closing causes the automation to stop. If not used leave the jumper inserted.
SAFE logic=10 Input configured as Bar op test, safety edge verified with active inversion only while opening, if activated while closing, the automation stops (STOP) (Fig. F, ref. 4). Activates safety edge test when starting operation. The operation while opening causes the movement to be reversed for 2 seconds, the operation while closing causes the automation to stop.
SAFE logic=11 Input configured as Bar 8k2 op, 8k2 safety edge with active inversion only while opening, if activated while closing, the automation stops (STOP) (Fig. F, ref. 5). The operation while opening causes the movement to be reversed for 2 seconds, the operation while closing causes the automation to stop.
SAFE logic=12 Input configured as Bar cl, safety edge with active inversion only while closing, if activated while opening, the automation stops (STOP) (Fig. F, ref. 3). Enables connection of devices not equipped with additional test contacts. The operation while closing causes the movement to be reversed for 2 seconds, the operation while opening causes the automation to stop. If not used, leave the jumper inserted

Safety input configuration
SAFE logic=13 Input configured as Bar cl test, safety edge checked with active inversion only while closing, if activated while opening, the automation stops (STOP) (Fig. F, ref. 4). Activates safety edge test when starting operation. The operation while closing causes the movement to be reversed for 2 seconds, the operation while opening causes the automation to stop.
SAFE logic=14 Input configured as Bar 8k2 cl, safety edge with active inversion only while closing, if activated while opening, the automation stops (STOP) (Fig. F, ref. 5). The operation while closing causes the movement to be reversed for 2 seconds, the operation while opening causes the automation to stop.

(*) If "D" type devices are installed (as defined by EN12453), connected in an unverified mode, mandatory maintenance must be carried out at least every six months.

Radio channel control configuration
Logic CH= 0 - Command configured as Start E. Operation according to STEP-BY-STEP Logic. External start for traffic light control.
Logic CH= 1 - Command configured as Start I. Operation according to STEP-BY-STEP Logic. Internal start for traffic light control.
Logic CH= 2 - Control configured as Open. The command performs an opening.
Logic CH= 3 - Control configured as Close. The command performs a closure action.
Logic CH= 4 - Control configured as Ped. The command performs a (partial) pedestrian opening action. Operation according to STEP-BY-STEP Logic.
Logic CH= 5- Control configured as STOP. The command performs a STOP
Logic CH= 6 - Control configured as AUX1 (**) The control activates the AUX 1 output
CH logic= 7 - Not used
CH logic= 8 - Not used
Logic CH= 9 - Control configured as AUX2. (**) The control activates the AUX2 output
CH logic= 10 - Not used
CH logic= 11-Not used
CH logic = 12- Command set up as COURTESY LIGHT The command enables the light with bi-stable logic. At least one auxiliary output must be set as a courtesy light.

(**) Active only if the output is configured as Monostable Radio Channel, Courtesy Light, Zone Light, Stair Light, Bistable Radio Channel or Timed Radio Channel.

6) SAFETY DEVICES

6.1) CHECKED DEVICES Fig. F

6.2) CONNECTING 1 PAIR OF NON-VERIFIED PHOTOCELLS Fig. C

6.3) CONNECTING 1 PAIR OF VERIFIED PHOTOCELLS Fig. D

7) SAVING TRANSMITTERS. Fig. H

8) DELETING TRANSMITTERS Fig. G

9) ACCESS TO MENUS: FIG. 1

9.1) PARAMETERS MENU (PArAM) (TABLE "A" PARAMETERS)

9.2) LOGIC MENU (LoG IC) (TABLE "B" LOGIC)

9.3) RADIO MENU (rAd IO) (TABLE "C" RADIO)

9.4) DEFAULT MENU (dEFAULt)
Resets the control unit to DEFAULT preset values. After the reset, a new AUTOSET must be carried out.

9.5) LANGUAGE MENU (LAnGUAGE)
Allows the language of the display controller to be set.

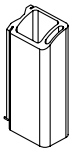
9.6) AUTOSET MENU (AUtoSEt)
- Start an autosetting operation by going to the appropriate menu.
- As soon as the OK button is pressed, the message ".... ....", the central control unit commands an opening manoeuvre followed by a closing manoeuvre, during which the minimum torque value necessary for leaf movement is automatically set.
  The number of manoeuvres required for the autoset can vary from 1 a 3.
  During this phase, it is important to avoid blacking out the photocells, as well as using the START and STOP commands and the display.
  At the end of this operation, the control unit will have automatically set the optimal torque values. Check them and if necessary modify them as described in programming.

⚠ **DANGER! Incorrect installation can result in damage to property and injury to people and animals.**

⚠ **WARNING!! Check that the impact force value measured at the foreseen points is lower than that indicated in the EN 12453 standard.**

⚠ **To ensure personal safety and the safety of property, use the passive rubber edge on the main closing edge.**

Mod. BFT CSP



⚠ **Warning!! While the autoset function is in operation, the obstacle detection function is not active. The installer must monitor movement of the automated device and keep people and property out of range of the automated device.**

For best results, it is advisable to run the autoset function with the motor idle (i.e. not overheated by a considerable number of consecutive operations)..

9.7) INSTALLATION TEST SEQUENCE
1. Run the AUTOSET cycle (*)
2. Check the impact forces again. If they observe the limits (**), go to point 10 of the sequence, otherwise
3. Adjust speed and sensitivity (force) parameters if necessary: see parameter table.
4. Check the impact forces again. If they observe the limits (**), go to point 10 of the sequence, otherwise
5. Apply a passive safety edge
6. Check the impact forces again. If they observe the limits (**), go to point 10 of the sequence, otherwise
7. Apply pressure-sensitive or electro-sensitive protective devices (such as a safety edge) (**)
8. Check the impact forces again. If they observe the limits (**), go to point 10 of the sequence, otherwise
9. Allow drive movement only in 'Deadman safety' mode
10. Make sure all devices designed to detect obstacles within the operating range of the system are working properly

(*) Before running the autoset function, make sure you have performed all the assembly and make-safe operations correctly, as set out in the installation warnings in the drive manual.

(**)Based on the risk analysis, you may find it necessary to apply sensitive protective devices

9.8) STATISTICS MENU
Allows the board version to be displayed along with the number of total manoeuvres, the number of stored radio commands and the last 30 errors (the first 2 digits indicate the position, the last 2 the error code). Error 01 is the most recent one. A blinking error indicates the first error after the last maintenance.

9.9) PASSWORD MENU
Allows a password to be set to program the board via the U-link network. With the 'PROTECTION LEVEL' logic set to 1,2,3,4, access to the programming menus is requested. After 10 consecutive failed login attempts, you must wait 3 minutes before making another attempt. During this period, 'BLOC' appears on the display with each access attempt. The default password is 1234.

10) OPTIONAL U-LINK MODULES
Please refer to the instructions of the U-link modules
The use of some modules leads to a reduction in radio range. Adapt the system with a suitable antenna tuned to 433MHz

TABLE "A" - PARAMETERS - (PArAM)

Parameter	Motors	Min.	Max.	Default	Personal	Definition	Description
tcA		0	120	10		Automatic closing time [s]	Waiting time before automatic closing.
PEd tcA		0	120	0		Automatic closing time from pedestrian manoeuvre [s]	Waiting time before automatic closure after a pedestrian manoeuvre, ONLY if different from 0. If the parameter is set to 0, the waiting time after a pedestrian manoeuvre is the same as the non-pedestrian manoeuvre.
trF. LGht. cLr. t		1	180	40		Time-to-clear traffic light zone [s]	Time-to-clear for the zone affected by the traffic controlled by the traffic light.
t. L iGht		30	300	90		Lighting time of the courtesy light [s]	Lighting duration of the courtesy light.
oUtPUt t iME		1	240	10		Activation time of the timed output [s]	Timed radio channel output activation time in seconds
oP. d iSt. SLoUd		1(***)	100	10		Slow-down distance during opening [%]	Slow-down distance for the motor during opening, given as a percentage of total travel. WARNING: Once the parameter has been edited, a complete uninterrupted opening-closing cycle is required. **WARNING: when the display reads "SET", obstacle detection is not active.** **WARNING:** with actuators with integrated locks, the permanently active slowdown to a value higher than 5 is mandatory.
cL. d iSt. SLoUd		1(***)	100	10		Slow-down distance during closing [%]	Slow-down distance for motor during closing, given as a percentage of total travel. WARNING: Once the parameter has been edited, a complete uninterrupted opening-closing cycle is required. **WARNING: when the display reads "SET", obstacle detection is not active.** **WARNING:** with actuators with integrated locks, the permanently active slowdown to a value higher than 5 is mandatory.
d iSt. dEcEL		0	100	25		Slow-down distance [%]	Deceleration distance (switch from running speed to slow-down speed) for motor both during opening and during closing, given as a percentage of total travel. **WARNING: Once the parameter has been edited, a complete uninterrupted opening-closing cycle is required.** **WARNING: when the display reads "SET", obstacle detection is not active.**
PEd oPEn inG		10	100	30		Partial opening [%]	Partial opening distance as a percentage of total opening following activation of PED pedestrian command.
oP.ForcE		1	100	50		Leaf force during opening [%]	Force exerted by leaf during opening. This is the percentage of force delivered, beyond the force stored during the autoset cycle (and subsequently updated), before an obstacle alarm is generated. The parameter is set automatically by the autoset function. **⚠ WARNING: Directly affects the impact force. Make sure that current safety regulations are met (*) with the set value. Install anti-crush safety devices where necessary(**).**
cLS.ForcE		1	100	50		Leaf force during closing [%]	Force exerted by leaf during closing. This is the percentage of force delivered, beyond the force stored during the autoset cycle (and subsequently updated), before an obstacle alarm is generated. The parameter is set automatically by the autoset function. **⚠ WARNING: Directly affects the impact force. Make sure that current safety regulations are met (*) with the set value. Install anti-crush safety devices where necessary(**).**
oP.SLUd.ForcE		1	100	50		Leaf force during opening during slow-down [%]	Force exerted by leaf during opening. This is the percentage of force delivered, beyond the force stored during the autoset cycle (and subsequently updated), before an obstacle alarm is generated. The parameter is set automatically by the autoset function. **⚠ WARNING: Directly affects the impact force. Make sure that current safety regulations are met (*) with the set value. Install anti-crush safety devices where necessary(**).**
cLS.SLUd.ForcE		1	100	50		Leaf force during closing during slow-down [%]	Force exerted by leaf during closing. This is the percentage of force delivered, beyond the force stored during the autoset cycle (and subsequently updated), before an obstacle alarm is generated. The parameter is set automatically by the autoset function. **⚠ WARNING: Directly affects the impact force. Make sure that current safety regulations are met (*) with the set value. Install anti-crush safety devices where necessary(**).**
Stc PrESSUrE ForcE		0	100	100		Leaf pressure force on the closure limit-switch [%]	The force exerted by the leaf during the pressure on the closure limit-switch.
oP SPEEd		15	100	100		Opening speed [%]	Percentage of maximum speed that can be reached by motor during opening. **WARNING: Once the parameter has been edited, a complete uninterrupted opening-closing cycle is required.** **WARNING: when the display reads "SET", obstacle detection is not active.**
cL SPEEd		15	100	100		Closing speed [%]	Percentage of maximum speed that can be reached by motor during closing. **WARNING: Once the parameter has been edited, a complete uninterrupted opening-closing cycle is required.** **WARNING: when the display reads "SET", obstacle detection is not active.**

Parameter	Motors	Min.	Max.	Default	Personal	Definition	Description
SLob SPEEd	DEIMOS ULTRA BT B 400/600	**15**	**25**	**15**		Slow-down speed [%]	Opening and closing speed of motor during slow-down stage, given as a percentage of maximum running speed. **WARNING: Once the parameter has been edited, a complete uninterrupted opening-closing cycle is required.** **WARNING: When the display reads "SET", obstacle detection is not active.**
	ARES ULTRA BT B 1000/1500	**10**	**25**	**10**			
nA intEnAncE		**0**	**250**	**0**		Programming of number of operations for maintenance threshold [in hundreds]	Allows a number of operations to be set after which the need for maintenance will be reported on the AUX output configured as Maintenance or Flashing Light and Maintenance

(*) In the European Union, apply standard EN 12453 for force limitations.
(**) Impact forces can be reduced by using deformable edges.
(***) If the calculated value is less than 30 cm, it is set to 30 cm.

TABLE "B" - LOGIC - (LoG ic)

Logic	Definition	Default	Check (tick) the setting made	Options
tcA	**Automatic Closure**	0	0	Logic not active
			1	Activates automatic closing
ActAL inAcc	**Power Down activation**	1	0	Power Down DEACTIVATED, i.e. the power supply of the accessories is always present. ⚠ The stand-by consumption with deactivated logic is > 0.5 W
			1	Power Down ACTIVE, i.e. the power supply of the accessories is deactivated with the gate stopped.
UL ink 1	**Activates ULink Protocol**	0	0	Both U-Link connectors support the new U-Link2.0 protocol.
			1	Enabling of the U-Link protocol (previous version) on the optional board connector 1. The previous version of the U-Link protocol can be activated on connector 1.
FASt cLS.	**Rapid closing**	0	0	Logic not active
			1	Closes 3 seconds after the photocells are cleared before waiting for the end of the set TCA
bAtt conF iG	**Battery config.**	0	0	No operative change.
			1	Total opening and waiting for the power to come back on.
			2	Partial opening based on the "partial opening" parameter, and waiting for the power to come back on.
			3	Total closure and wait for the power to come back on.
StEP-by-StEP MouEMEnt	**Step-by-step Movement**	0	0	Inputs configured as Start E, Start I, Ped operate with 4-step logic.
			1	Inputs configured as Start E, Start I, Ped operate with 3-step logic. Pulse during closing reverses movement.
			2	Inputs configured as Start E, Start I, Ped operate with 2-step logic. With every impulse, the movement is reversed.
PrE-ALArM	**Pre-alarm**	0	0	The flashing light starts at the same time as the motor starts.
			1-10	The pre-warning function is activated: the flashing light comes on before the motor starts; the value of the parameter indicates the duration of the pre-flashing in seconds.
hoLd-to-rUn	**Deadman safety device**	0	0	Pulse operation.
			1	Deadman safety mode. Input 61 is configured as OPEN UP. Input 62 is configured as CLOSE UP. Operation continues as long as the OPEN UP or CLOSE UP keys are held down. ⚠ **WARNING: safety devices are not active.**
			2	Emergency Deadman Safety mode. Usually pulse operation. If the board fails the safety device tests (photocell or safety edge, Er0x) 3 times in a row, the device is switched to Deadman mode, which will stay active until the OPEN UP or CLOSE UP keys are released. Input 61 is configured as OPEN UP. Input 62 is configured as CLOSE UP. ⚠ **WARNING: with the device set to Emergency Deadman mode, safety devices are not enabled.**
			3	Dead-man function during closing. Input 61 is configured as OPEN UP. Input 62 is configured as CLOSE UP. The opening manoeuvre occurs automatically, the closing manoeuvre continues until the control button (CLOSE) is pressed. ⚠ **WARNING: safety devices are not active during the closure.**
oPEn ibL	**Opening impulse block**	0	0	Pulse from inputs configured as Start E, Start I, Ped has effect during opening.
			1	Pulse from inputs configured as Start E, Start I, Ped has no effect during opening.
tcA ibL	**Block pulses during TCA**	0	0	Pulse from inputs configured as Start E, Start I, Ped has effect during TCA pause.
			1	Pulse from inputs configured as Start E, Start I, Ped has no effect during TCA pause.
cLoSE ibL	**Block pulses during closing**	0	0	Pulse from inputs configured as Start E, Start I, Ped has effect during closing.
			1	Pulse from inputs configured as Start E, Start I, Ped has no effect during closing.

step-by-step movement

	2 STEPS	3 STEPS	4 STEPS
CLOSED	OPENS	OPENS	OPENS
DURING CLOSING			STOP
OPEN	CLOSES	CLOSES	CLOSES
DURING OPENING		STOP + tca	STOP + tca
AFTER STOP	OPENS	OPENS	OPENS

Logic		Definition	Default	Check (tick) the setting made	Options
rAn bLoU c. oP		**Hammer during opening**	0	0	Logic not active
				1	Before opening completely, the gate pushes for approx. 2 seconds as it closes. This allows the electric lock to release more easily. **IMPORTANT - Do not use this function without adequate mechanical end stops.**
rAn bLoU c. cL		**Hammer during closing**	0	0	Logic not active
				1	Before closing completely, the gate pushes for approx. 2 seconds as it opens. This allows the electric lock to release more easily. **IMPORTANT - Do not use this function without adequate mechanical end stops.**
bLoc PErS iSt		**Block holding**	0	0	Logic not active
				1	If the motor stays idle in a fully open or fully closed position for more than one hour, they are switched on in the direction of the stop for approx. 3 seconds. This operation is performed every hour. **IMPORTANT - Do not use this function without adequate mechanical end stops.**
PrESS SUc		**Closure limit switch pressure**	0	0	Movement is stopped only when the closure limit-switch trips: in this case, the tripping of the closure limit-switch must be adjusted accurately (Fig.G Ref.B).
				1	**To be used with mechanical closure stop.** This function activates pressure of the leaf on the mechanical stop, without this being considered an obstacle by the amperostop sensor. The leaf therefore continues its stroke for a few seconds after interception of the closure limit switch or up to the mechanical stop. In this manner, by slightly advancing the intervention of the closure limit switch, the leaf will come into perfect contact with the end stop.
iCE		**Ice Function**	0	0	The Amperostop safety trip threshold stays at the same set value.
				1	The controller automatically adjusts the obstacle alarm trip threshold at each start up. Check that the force of impact measured at the points provided for by standard EN 12445 is lower than the value established by standard EN 12453. If in doubt, use auxiliary safety devices. This feature is useful when dealing with installations running at low temperatures. **WARNING: once this function has been activated, an autoset opening and closing cycle is required.**
inSTALLAt ion ALtErnAt iuE		**Installation alternative**		0	See Fig.E
				1	See Fig.E
1 SAFE		**Configuration of safety input SAFE 1. 72**	0	0	Input configured as Phot, photocell.
				1	Input configured as Phot test, verified photocell.
				2	Input configured as Phot op, photocell active during opening only.
				3	Input configured as Phot op test, photocell active during opening only verified.
				4	Input configured as Phot cl, photocell active during closing.
				5	Input configured as Phot cl test, photocell active during closing only verified.
				6	Input configured as Bar, safety edge.
				7	Input configured as Bar Test, safety edge verified.
2 SAFE		**Configuration of safety input SAFE 2. 73**	6	8	Input configured as Bar 8k2**. (**Not active on SAFE **11,13**).
				9	Input configured as Bar OP, safety edge with reverse active only while opening. The movement stops while closing.
				10	Input configured as Bar OP TEST, safety edge verified with reverse active only while opening. The movement stops while closing.
				11	Input configured as Bar OP 8k2, safety edge with reverse active only while opening. The movement stops while closing. **(**Not active on SAFE **11,13**).
Only with expansion board. If you do not use the expansion board, leave the default setting (15)	10 SAFE	**Configuration of safety input SAFE10. 77**	15	12	Input configured as Bar CL, safety edge with inversion active only while closing. The movement stops while opening.
				13	Input configured as Bar CL TEST, safety edge verified with inversion active only while closing. The movement stops while opening.
	11 SAFE	**Configuration of safety input SAFE11. 78**	15	14	Input configured as Bar CL 8k2, safety edge with reverse active only while closing. The movement stops while opening. **(**Not active on SAFE **11,13**).
	12 SAFE	**Configuration of safety input SAFE12. 79**	15		
	13 SAFE	**Configuration of safety input SAFE13. 80**	15	15	Input configured as deactivated. To be used without the expansion board. (Not active on Safe 1,2).
1 ic		**Configuration of command input IC 1. 61**	0	0	Input configured as Start E.
				1	Input configured as Start I.
				2	Input configured as Open.
				3	Input configured as Close.
2 ic		**Configuration of command input IC 2. 62**	4	4	Input configured as Ped.
				5	Input configured as Timer.
Only with expansion board	10 ic	**Configuration of command input IC 10. 64**	2	6	Input configured as Pedestrian Timer.
	11 ic	**Configuration of command input IC 11. 65**	3		

Logic		Definition	Default	Check (tick) the setting made	Options
1ch		**Configuration of the 1st radio channel command**	0	0	Radio control configured as START E.
				1	Radio control configured as Start I.
2ch		**Configuration of the 2nd radio channel command**	4	2	Radio control configured as Open.
				3	Radio control configured as Close
				4	Radio control configured as Ped
				5	Radio control configured as STOP
3ch		**Configuration of the 3rd radio channel command**	9	6	Radio config. command as AUX1 **
				7	Not used
				8	Radio control configured as AUX11 ** (only with an expansion board)
				9	Radio config. command as AUX2 **
4ch		**Configuration of the 4th radio channel command**	5	10	Not used
				11	Not used
				12	Control configured as COURTESY LIGHT The command enables the light with bi-stable logic. At least one auxiliary output must be set as a courtesy light.
1AUX		**Configuration of AUX 1 output. 20-21**	6	0	Output configured as a Monostable Radio Channel
				1	Output configured as SCA, Gate Open Light.
2AUX		**Configuration of AUX 2 output. 26-27**	0	2	Output configured as Courtesy Light command.
Only with expansion board	10AUX	**Configuration of AUX 10 output. 22-23**	3	3	Output configured as Zone Light command.
				4	Output configured as Stair Light.
				5	Output configured as Alarm.
				6	Output configured as Flashing light.
				7	Not used
				8	Not used
				9	Output configured as Maintenance
				10	Output configured as Flashing Light and Maintenance.
				11	Not used
				12	Not used
				13	Output configured as closed Gate Status
				14	Output configured as a Bistable Radio Channel
				15	Output configured as a timed Radio Channel
				16	Output configured as open Gate Status
Only with expansion board	LocK	**Lock type. 28-29**	0	0	Output configured for 12V snap-action electric lock⎓.
				1	Output configured for 12V magnetic electric lock⎓. Max. 0.5 A. Power Down is not active with this setting
				2	Output configured for 24V snap-action electric lock⎓.
				3	Output configured for 24V magnetic electric lock⎓. Max. 0.25 A Power Down is not active with this setting
				4	Traction lock: active during the entire manoeuvre. Max.: 1 A for 1S, 0.2 A for the rest of the manoeuvre.
Prot. LEv		Protection level setting	0	0	**A** - The password is not required to access the programming menus **B** - Enables the saving of remote controls via radio. Operations in this mode are carried out near the control panel and do not require access: - Press the hidden button and the normal button in sequence (T1-T2-T3-T4) of a remote control already saved in standard mode through the radio menu. - Press the hidden key and normal key (T1-T2-T3-T4) of a radio control to be saved within 10 sec. The receiver exits programming mode after 10 sec.: you can use this time to enter other new radio controls by repeating the previous step. **C** - Enables automatic insertion of the replays via radio. Enables programmed Replays to be added to the GSM receiver memory. **D** - 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 function 0 for functions B - C - D
				2	**Not used**
				3	**A** - You are prompted to enter the password to access the programming menus. The default password is 1234. **B** - Saving remote controls via radio is disabled. **C** - Automatic insertion of the replays via radio is disabled. Function D remains unchanged with respect to function 0
				4	**A** - You are prompted to enter the password to access the programming menus. The default password is 1234. **B** - Saving remote controls via radio is disabled. **C** - Automatic insertion of the replays via radio is disabled. **D** - The option of editing the board's parameters via the U-link network is disabled Radio controls are memorized only using the relevant Radio menu.

Logic	Definition	Default	Check (tick) the setting made	Options
SEr iAL ModE	**Serial mode** (Identifies how the board is configured in a BFT network connection)	0	0	SLAVE standard: the board receives and communicates commands/diagnostics/etc.
			1	MASTER standard: board sends activation commands (START, OPEN, CLOSE, PED, STOP) to other boards.
			2	SLAVE opposing leafs in local network: the board is the slave in an opposing leaf network without an intelligent module. (fig.E)
			3	MASTER opposing leafs in local network: the board is the master in an opposing leaf network without an intelligent module. (fig.E)
AddrESS	**Address**	0	[___]	Identifies board address from 0 to 119 in a local BFT network connection. (see U-LINK OPTIONAL MODULES section)
trAFF ic L iGht PrEFLASh inG	**Traffic light pre-flashing**	0	0	Pre-flashing excluded.
			1	Red lights flash, for 3 seconds, at start of manoeuvre.
trAFF ic L iGht rEd LAMP ALWAYS on	**Red steady on**	0	0	Red lights off when gate closed.
			1	Red lights on when gate closed.

(**) Active only if the output is configured as Monostable Radio Channel, Courtesy Light, Zone Light, Stair Light, Bistable Radio Channel or Timed Radio Channel.

TABLE "C" - RADIO MENU (rAd io)

Logic	Description
Add 1	**Add 1ch key** pairs the desired key with the 1st radio channel command
Add2	**Add 2ch key** pairs the desired key with the 2nd radio channel command.
Add3	**Add 3ch key** pairs the desired key with the 3rd radio channel command.
Add4	**Add 4ch key** pairs the desired key with the 4th radio channel command.
cAnc ALL	**Delete List** ⚠ **WARNING!** Deletes all saved transmitters from the receiver's memory.
cAnc	**Eliminates individual radio control** Removes a radio control (if replay is disabled). To select the radio control to be deleted, enter the position or press a button on the radio control to be deleted (the position is displayed)