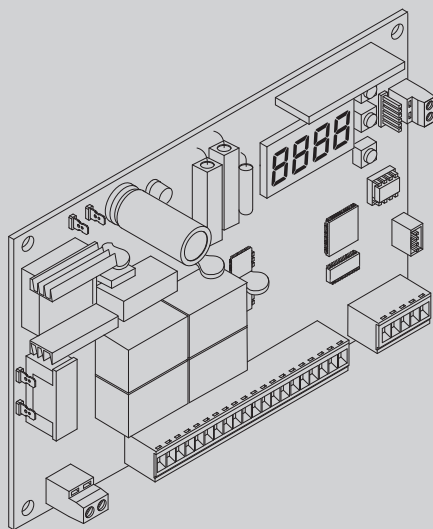
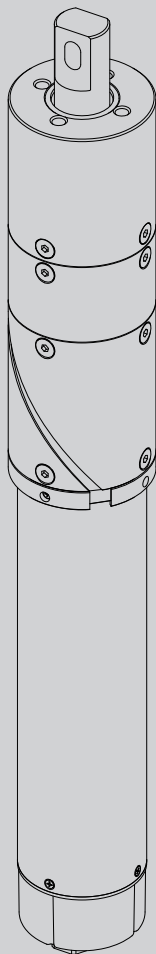




ok per ita/gb/f  
 Mancano le altre lingue.  
 Vedi tabella menù parametri (stampa su cartellina)

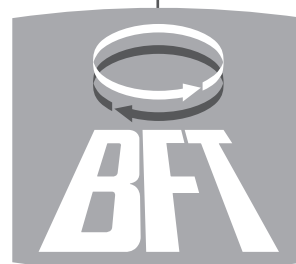
D811703 00100\_01 10-09-10

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

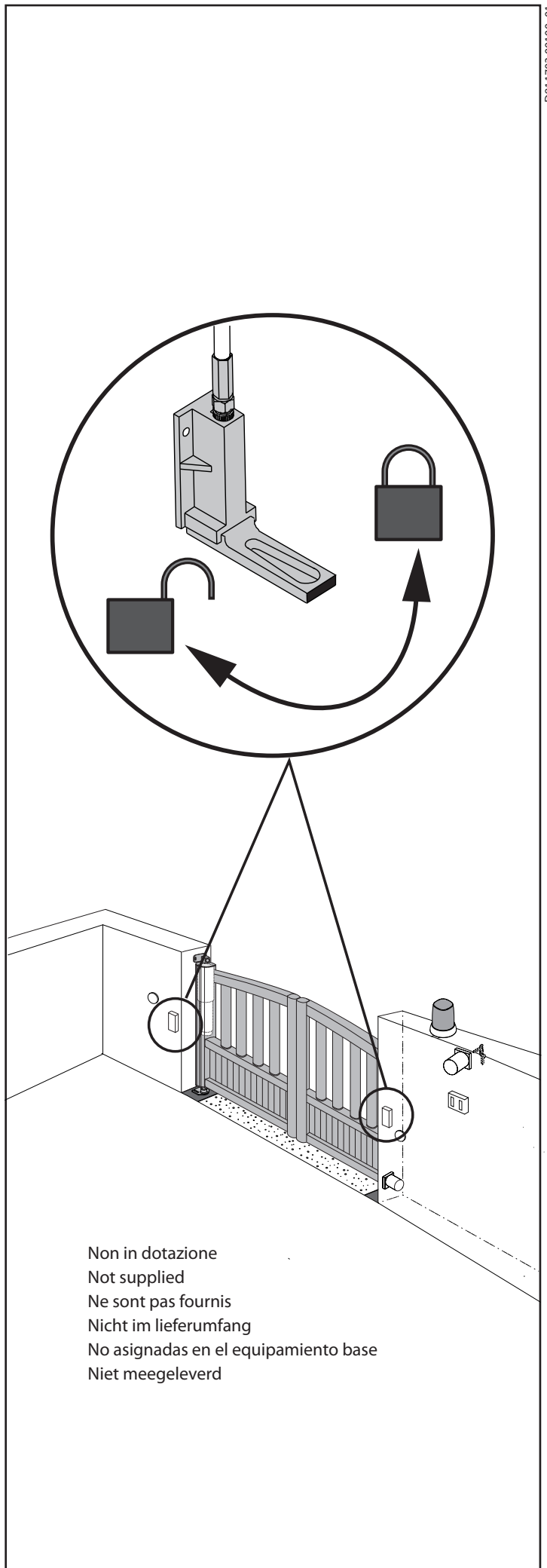
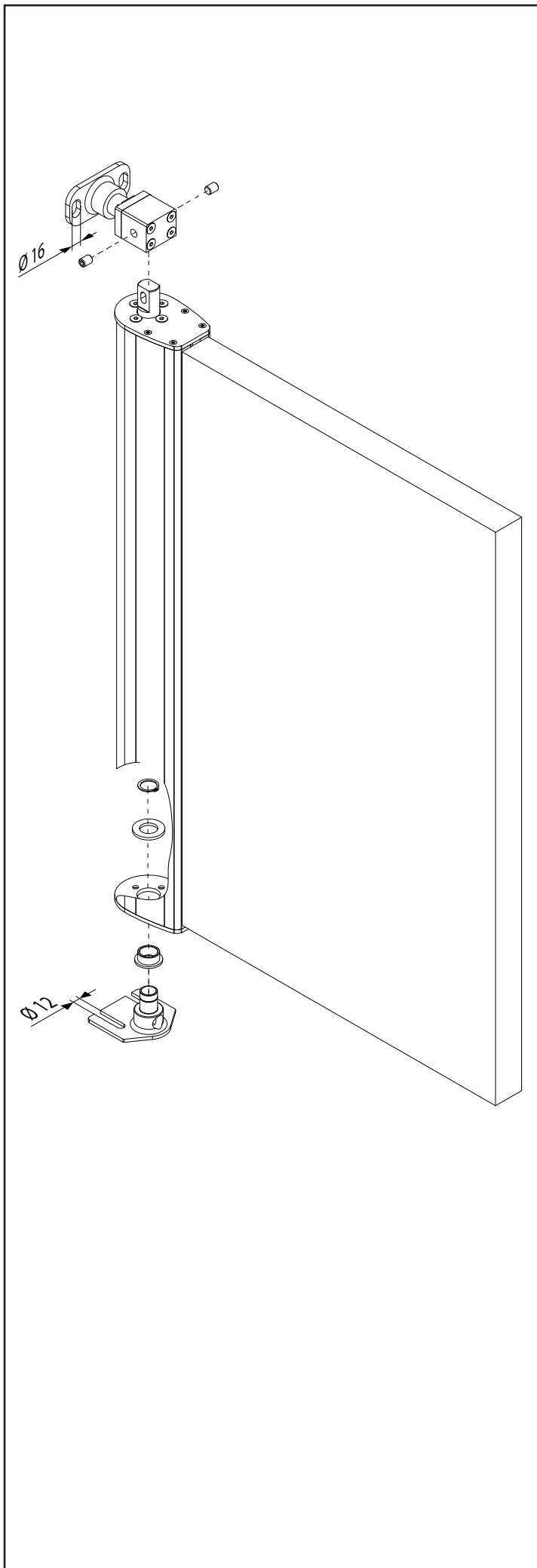


# HIDE SW CB-HIDE

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



AZIENDA CON SISTEMA DI GESTIONE  
 INTEGRATO CERTIFICATO DA DNV  
 = UNI EN ISO 9001:2000 =  
 UNI EN ISO 14001:2004

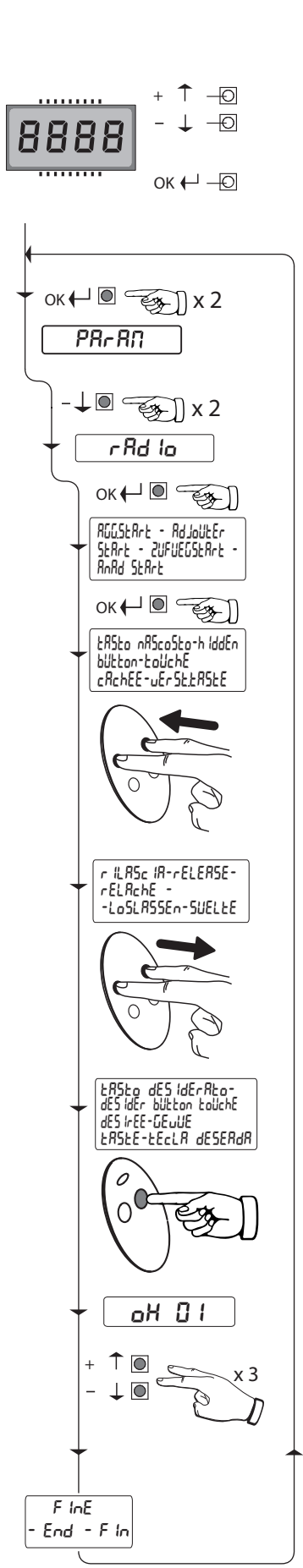


Non in dotazione  
 Not supplied  
 Ne sont pas fournis  
 Nicht im lieferumfang  
 No asignadas en el equipamiento base  
 Niet meegeleverd



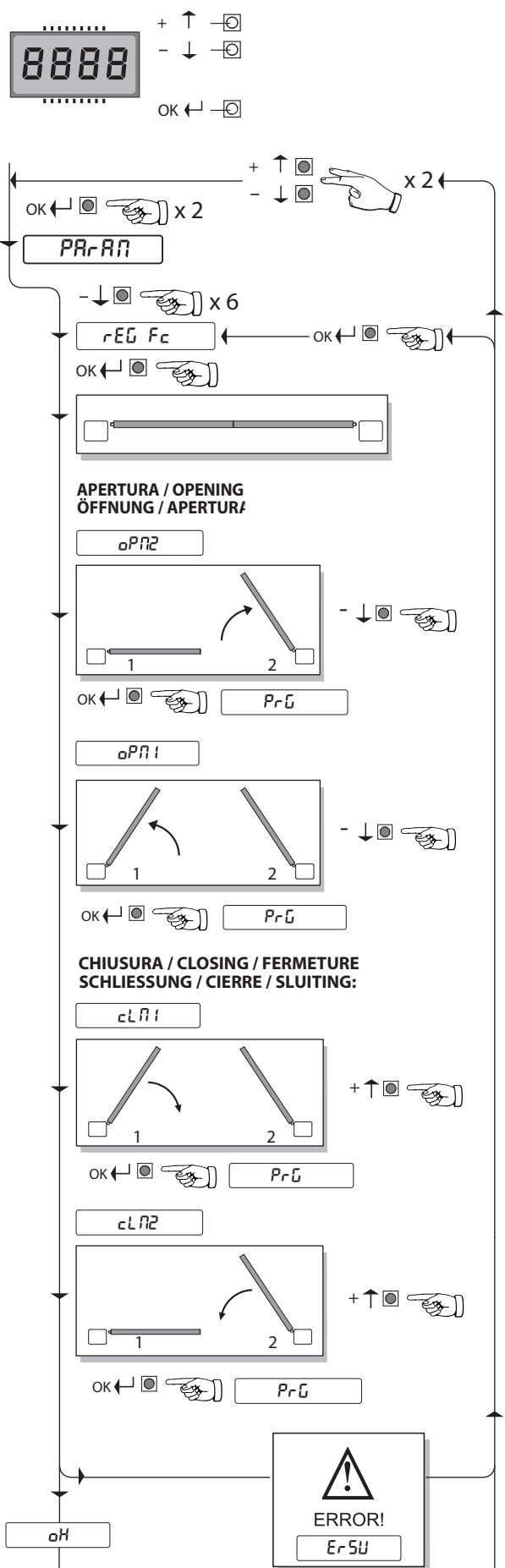
**E**

MEMORIZING REMOTE CONTROLS



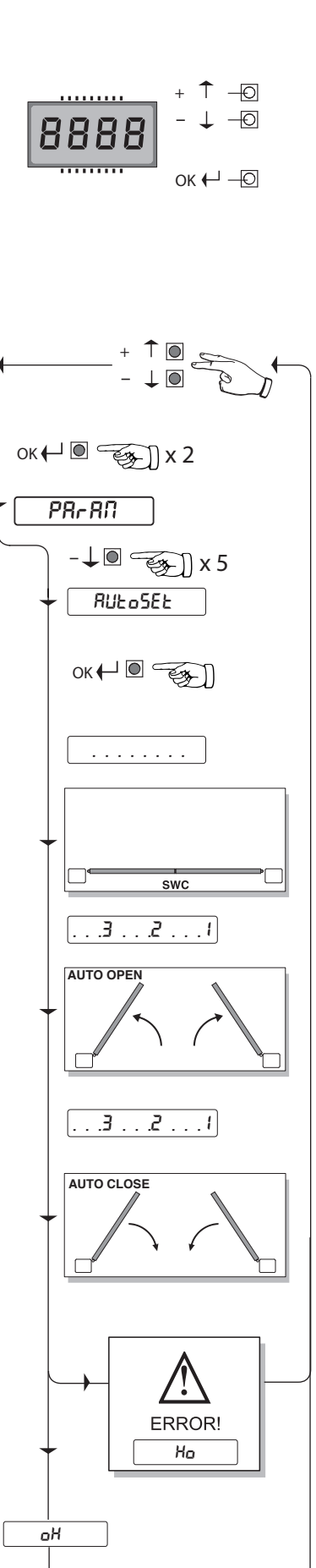
**F**

ADJUSTING THE LIMIT SWITCHES,



**G**

ADJUSTING AUTOSSET,

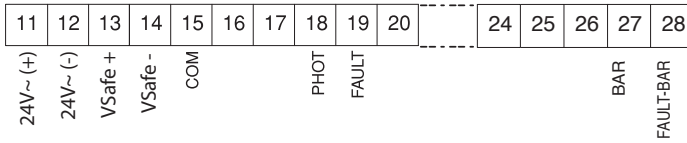


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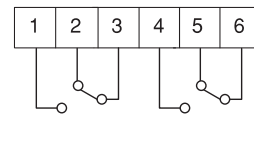
PHOTOCELLS

SAFETY EDGES

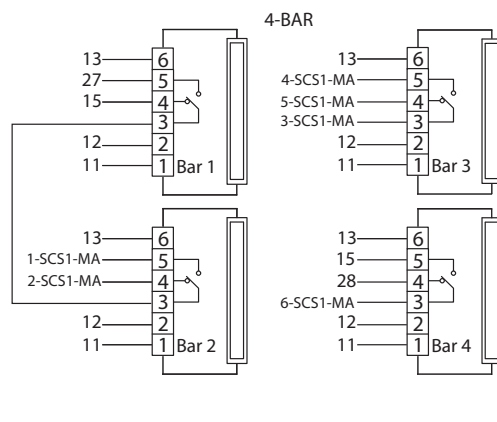
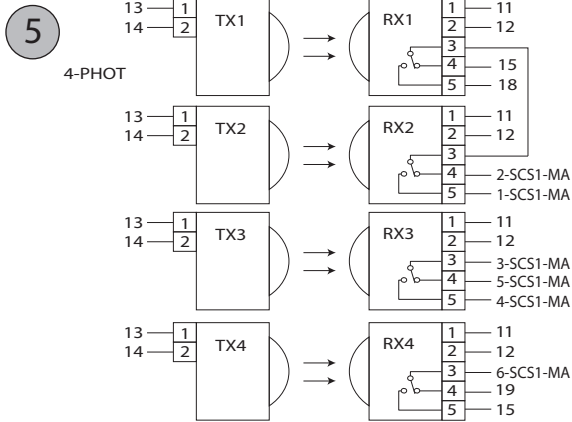
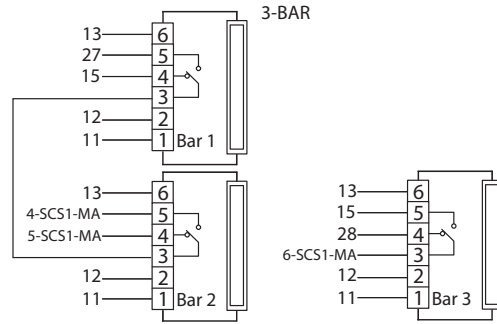
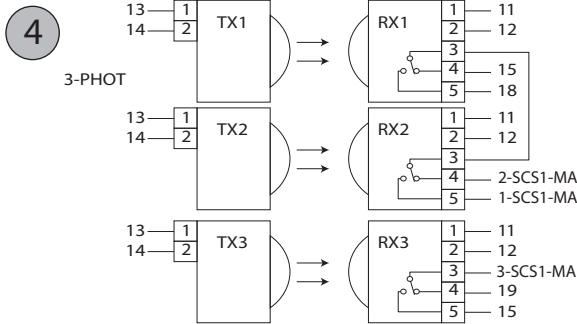
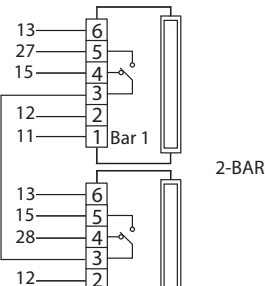
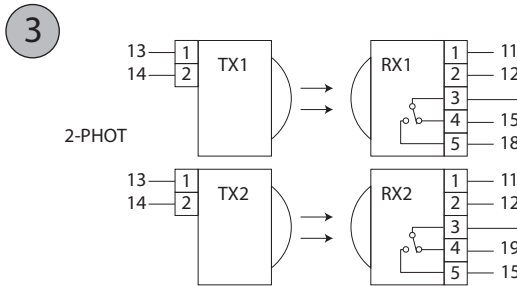
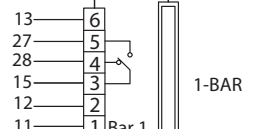
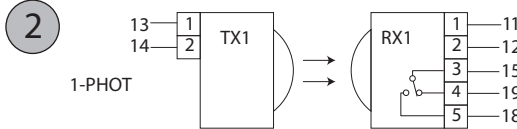
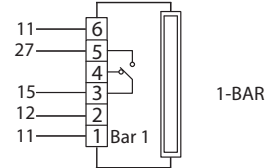
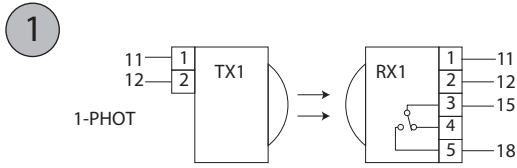
Terminal board,



SCS1-MA



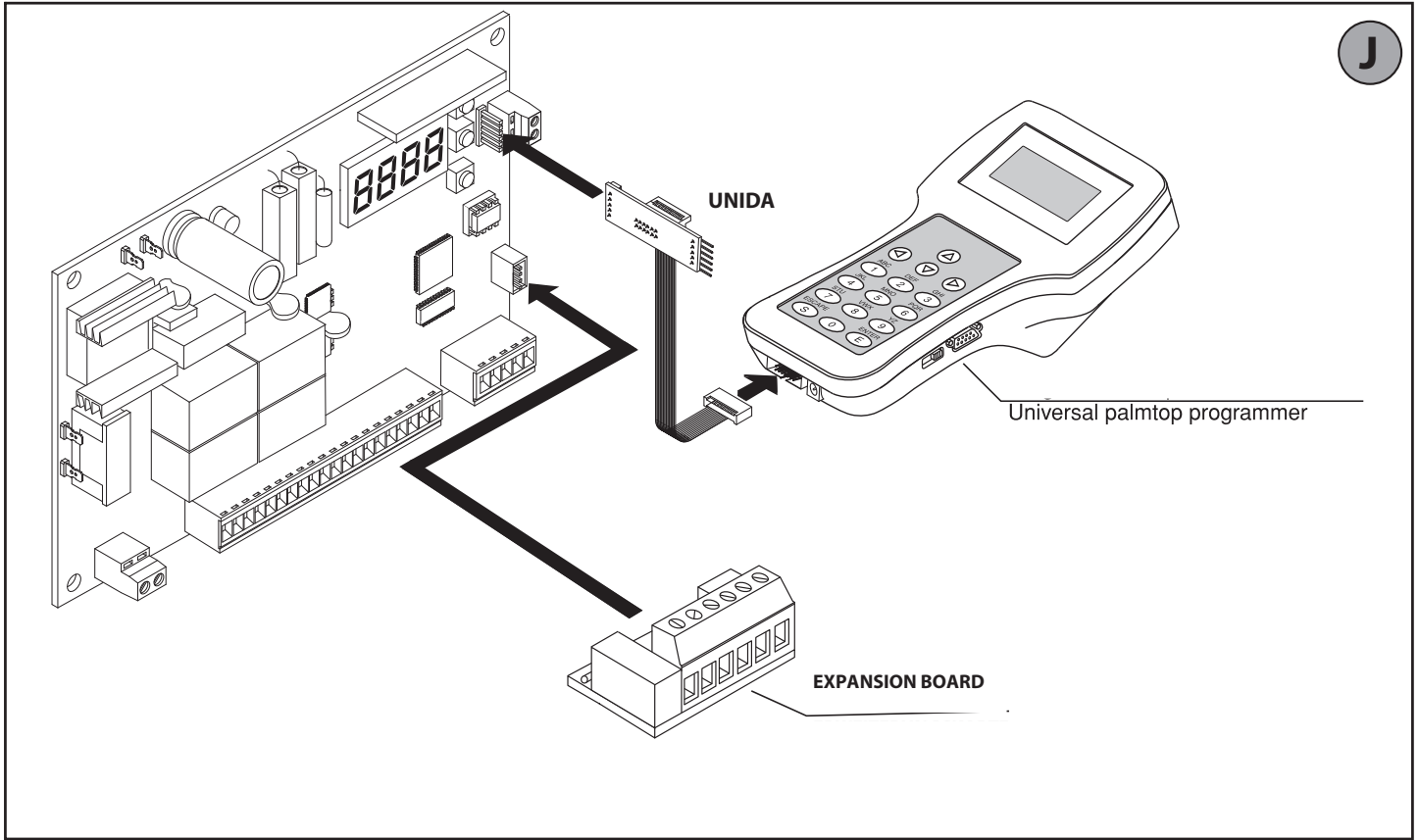
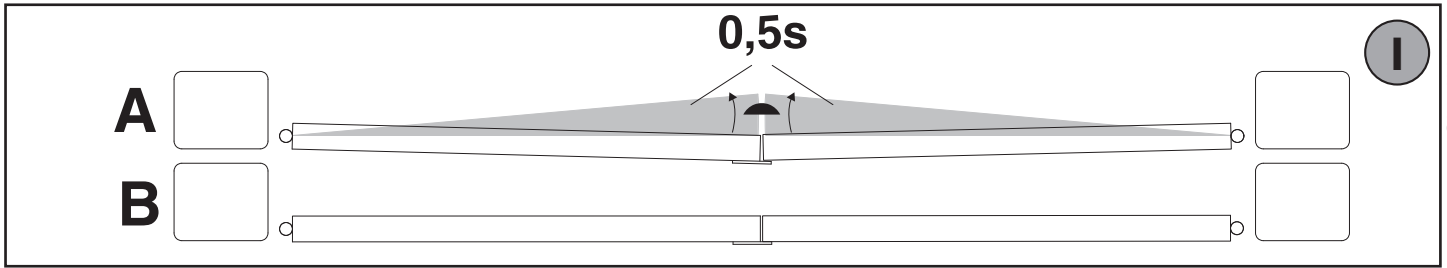
TEST PHOT=OFF



TEST PHOT = ON

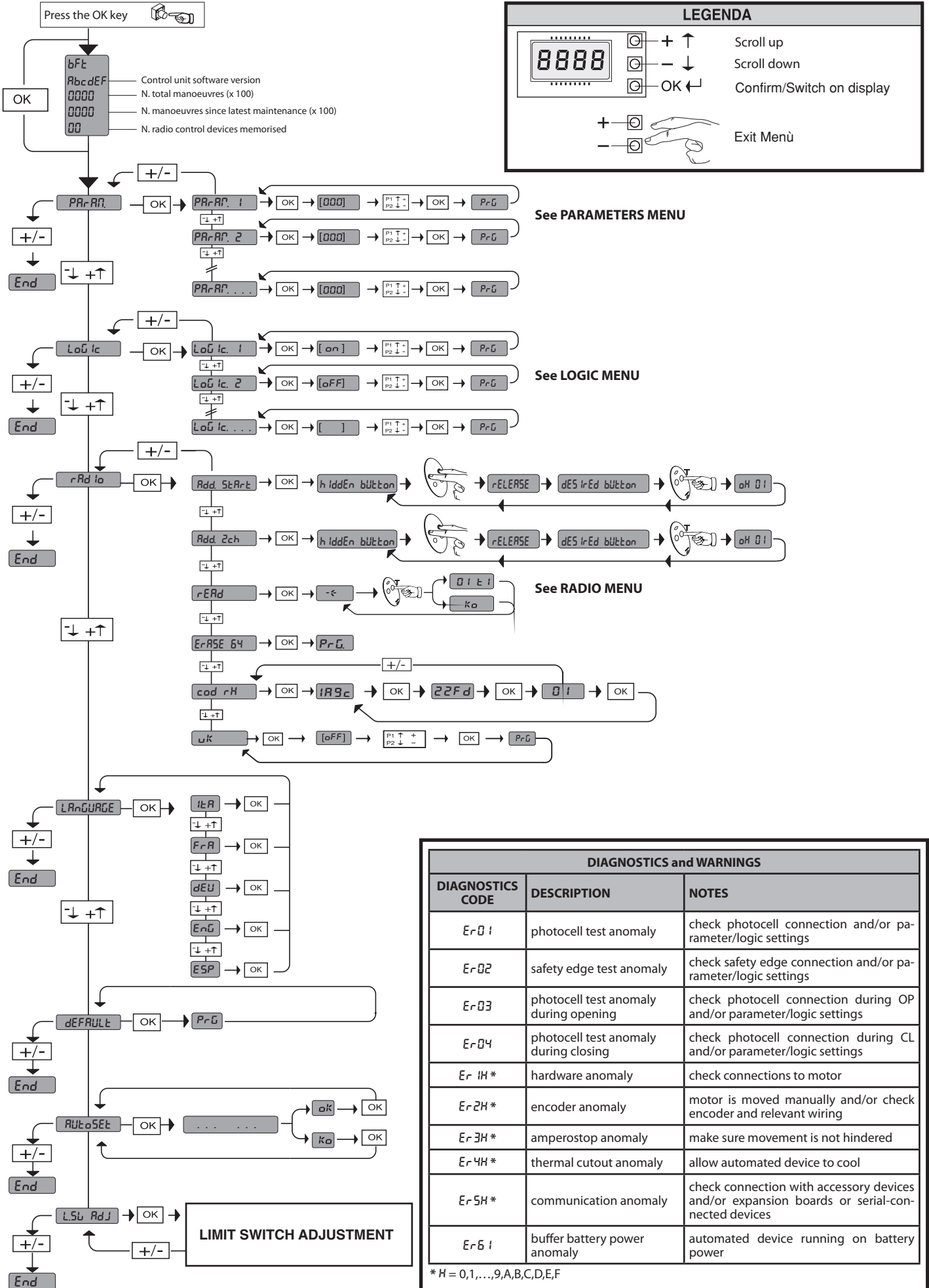
TEST BAR = ON

Maximum number of tested devices: 6 (but no more than 4 per type),



# ACCESS TO MENUS Fig. 1

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## GENERAL WARNINGS

**WARNING!** Important safety instructions. Carefully read and comply with the Warnings booklet and Instruction booklet that come with the product as incorrect installation can cause injury to people and animals and damage to property. They contain 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.

### 1) GENERAL INSTALLER SAFETY

**WARNING!** Incorrect installation or improper use of the product can result in injury to people and animals or damage to property.

- Carefully read the "Warnings" booklet and "Instruction booklet" that come with this product as they provide important information regarding safety, installation, use and maintenance.
- 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.
- Keep hold of instructions so that you can attach them to the technical file and keep them handy for future reference.
- 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.
- Do not install the product in an explosive atmosphere.
- The motor cannot be installed on panels incorporating doors (unless the motor can be activated when the door is open).
- The units making up the machine and its installation must meet the requirements of the following European Directives: 2004/108/EEC, 2006/95/EEC, 98/37/EEC, 99/05/EEC (and later amendments). For all countries outside the EEC, it is advisable to comply with the above-mentioned standards, in addition to any national standards in force, to achieve a good level of safety.
- The Firm disclaims all responsibility for failure to apply Good Practice in the construction of entry systems (doors, gates, etc.) and for deformation that could occur during use.
- Disconnect the electricity supply before performing any work on the system. Also disconnect buffer batteries, if any are connected.
- Have the automated system's mains power supply fitted with a switch or omnipolar thermal-magnetic circuit breaker with a contact separation of at least 3.5mm.
- Make sure that upline from the mains power supply there is a residual current circuit breaker that trips at 0.03A.
- 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.
- Apply all safety devices (photocells, safety edges, etc.) required to keep the area free of crushing, dragging and shearing hazards, according to and in conformity with applicable technical standards and directives.
- Apply at least one warning light (flashing light) in a visible position, and attach a Warning sign to the structure.
- The Firm disclaims all responsibility for the correct operation and safety of the automated system if parts from other manufacturers are used.
- Only use original spare parts for any maintenance or repair work.
- Do not make any modifications to the automated system's components unless explicitly authorized by the Firm.
- Installation must be carried out using safety devices and controls that meet standard EN 12978.
- These instructions are also valid for installations with a height above the floor of over 2.5 m.

### CHECKING THE AUTOMATED DEVICE

Before the automated device is finally put into operation, perform the following checks meticulously:

- Make sure all components are fastened securely.
- Check that all safety devices (photocells, safety edge, etc.) are working properly.
- Check the emergency operation control device.
- Check opening and closing operations with the control devices applied.
- Check the electronic logic for normal (or personalized) operation in the control panel.

### ADJUSTING OPERATING FORCE

**WARNING:** Check 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.

Operating force is adjusted with extreme precision by means of the control unit's electronic control. Operation at the end of travel is adjusted electronically in the control panel.

To provide good anti-crush safety, the operating force must be slightly greater than that required to move the leaf both to close and to open it. Whatever the case, the force, which is measured at the top outer edge of the leaf, must not exceed the limits laid down by the above-mentioned standards.

### CONTROL

There are various options when it comes to the control system (manual, remote control, access control with magnetic badge, etc.) depending on the installation's

needs and characteristics. See the relevant instructions for the various control system options.

Instruct the system's user on the control systems that have been applied and on how to open the system manually in an emergency.

### TROUBLESHOOTING

#### Gearbox malfunctioning

- Use an appropriate instrument to check for voltage across the gearbox motor terminals after giving the opening or closing command.

If the motor vibrates but does not rotate, the problem may be:

- Incorrect wiring (see wiring diagram)
- If the leaf moves in the wrong direction, adjust the "motor reverse" logic accordingly.  
The first command following a mains power outage should be open.

### SCRAPPING

Materials must be disposed of in accordance with the regulations in force. There are no particular hazards or risks involved in scrapping the automated system. For the purpose of recycling, it is best to separate dismantled parts into like materials (electrical parts - copper - aluminium - plastic - etc.).

### DISMANTLING

**Warning: Employ the services of qualified personnel only.**

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 external electrical system.
- See to the replacement of any components that cannot be removed or happen to be damaged.

### 1.2) GENERAL USER SAFETY

- Since the automated device can be remote controlled, hence with the door out of sight, it is vital that all safety devices be checked frequently to ensure they are in perfect working order.
- This product has been designed and built solely for the purpose indicated herein.  
Uses not contemplated herein might result in the product being damaged and could be a source of danger.
- Do not allow adults or children to stand within range of the automated system.
- Keep remote controls or other control devices out of reach of children in order to avoid the automated system being operated inadvertently.
- This application is not meant for use by people (including children) with impaired mental, physical or sensory capacities, or people who do not have suitable knowledge, unless they are supervised or have been instructed by people who are responsible for their safety.
- Users must not make any attempt to work on or repair the automated system themselves and must instead call in qualified personnel only.
- Anything that is not explicitly provided for in these instructions is not allowed.
- If the power cord is damaged, it must be replaced by the manufacturer or their technical assistance department or other such qualified person.

**The automated system's proper operation can only be guaranteed if the information given herein is complied with. The Firm shall not be answerable for damage caused by failure to comply with the installation rules and instructions featured herein.**

**Descriptions and illustrations herein are not binding. 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.**



**2) GENERAL OUTLINE**

The **HIDE SW** control panel is supplied by the manufacturer with standard setting. Any alteration must be set by means of the incorporated display programmer or by means of universal palmtop programmer. The Control unit completely supports the EELINK protocol.

Its main characteristics are:

- Control of two HIDE SW motors  
Note: 2 motors of the same type must be used.
- Electronic torque control with obstacle detection
- Encoder control inputs
- Separate inputs for safety devices
- Incorporated rolling-code radio receiver with transmitter cloning

The board is provided with a terminal board which can be pulled out for easier maintenance or replacement. The board is supplied with a series of pre-wired jumpers to facilitate the installer's work.

**The jumpers relate to the following terminals: 15-17,15-18, 24-27. If the above-mentioned terminals are in use, remove their respective jumpers.**

**WARNING: the motor comes in the CLOSED position. DO NOT ALTER THE POSITION OF THE MOTOR UNTIL INSTALLATION HAS BEEN COMPLETED.**

**Install the motor with the leaf closed, then remove the seal.**

**CHECK**

The **HIDESW** panel carries out a control (check) on the starting relays and safety devices (photocells) before carrying out each opening and closing cycle.

In case of malfunction, check the devices connected for regular operation and check the wiring.

3) TECHNICAL DATA	
Power supply:	230V~ ±10% 50Hz*
Mains/low voltage insulation:	> 2MOhm 500V ---
Working temperature:	-10 / +55°C
Thermal protection:	Software
Dielectric strength:	mains/low voltage 3750V~ per 1 minute
Motor output current:	7.5A+7.5A max
Motor relay commutation current:	10A
Maximum motor power:	180W + 180W (24V ---)
Supply to accessories:	24V~ (180mA max absorption) 24V~safe (180mA max absorption)
Gate-open warning light:	Contatto N.O. (24V~/1A max)
Blinker:	24V~ 25W max
Dimensions:	see <b>Fig. B</b>
Fuses:	see <b>Fig. C</b>
N° of combinations	4 billion
Max. n° of remotes that can be memorized	63

(\* other voltages available on request)

**Usable transmitter versions:**  
All ROLLING CODE transmitters compatible with  ((E-Ready))

**4) TUBE ARRANGEMENT Fig. A**

**5) CONNECTION OF 1 PAIR OF PHOTOCELLS AND 1 PAIR OF SAFETY EDGES, UNTESTED Fig. D**

**6) TERMINAL BOARD CONNECTIONS (Fig. C)**

**WARNING** – During the wiring and installation operations, refer to the current standards as well as principles of good technical practice.

Wires powered at different voltages must be physically separated, or suitably insulated with at least 1 mm extra insulation. The wires must be clamped by an extra fastener near the terminals, for example by bands.

All the connection cables must be kept at an adequate distance from the dissipator.

**WARNING! For connection to the mains, use a multipolar cable with a minimum of 3x1.5mm<sup>2</sup> cross section and complying with the previously mentioned regulations. For connection to the motors, use a cable with a minimum cross**

**section of 1.5 sq mm<sup>2</sup>, of the type prescribed by current standards.**

**For example, if the cable is out side (in the open), it has to be at least equal to H07RN-F, but if it is on the inside (or outside but placed in a plastic cable canal) it has to be or at least equal to H05VV-F.**

TERMINAL	DESCRIPTION
1-2	Single-phase mains power supply 230V~ ±10% (1=L) (2=N)
3-4	Connection to motor 1: 3 motor 1 cable 1 4 motor 1 cable 2
5	Motor 1 cable 3
6-7	Connection to motor 2: 6 motor 2 cable 2 7 motor 2 cable 1
8	Motor 2 cable 3
9-10	Connection to blinker (24V~ 25W max)
11-12	Output 24V~ 180mA max - supply to photocells or other devices.
13-14	Output 24V~Vsafe 180mA max - supply to photocell transmitters with checking function (Fig. H).
15-16	START pushbutton (N.O.).
15-17	STOP pushbutton (N.C.). If not used, leave the bridge 15-17 connected.
15-18	PHOTOCELL input (N.C.). If not used, leave the bridge 15-18 connected.
19	FAULT input (N.O.). Input for photocells provided with checking N.O. contact (Fig. H).
15-20	PEDESTRIAN pushbutton input (N.O.). Activation is carried out by motor 2; if the opening cycle has started (not from pedestrian function), the pedestrian command has no effect.
21-22	Output for gate-open warning light output (N.O. contact (24V~/1A max)) or alternatively 2nd radio channel (Fig. C rif. 1).
23	Not used
24	Limit switch common (Motors 1 and 2 cable 4)
25	OPEN button (N.O.). If the command is enabled for more than 60 seconds with the gate open, the command is taken as a TIMER.
26	CLOSE button (N.O.)
27	EDGE INPUT (N.C.) If not used, leave the bridge 15-27 connected.
28	EDGE FAULT (N.O.)

**10) MEMORIZING REMOTE CONTROLS Fig. E**

**11) LIMIT SWITCH SETTING MENU Fig. F**

If the leaf moves in the wrong direction, adjust the "motor reverse" logic accordingly (- opening / + closing).

**NOTE:** these manoeuvres are carried out in hold-to-run mode at reduced speed and without safety device activation. If the "i flak an" logic is set, only the messages relating to motor 2 will be displayed ("oPn2" e "cL.N2").

**12) AUTOSSET MENU Fig. G**

Allows you to automatically set the Motor torque.

**WARNING!!** The autosetting operation is only to be carried out after checking the exact leaf movement (opening/closing) and correct limit switch activation.

You are advised to carry out an autosetting procedure each time you modify the slow-down speed or space.

**WARNING!** During the autaset phase, the obstacle detection function is not active, therefore the installer must control the automation movement and prevent persons and things from approaching or standing within the automation working range.

In the case where buffer batteries are used, autosetting must be carried out with the control panel supplied by mains power voltage.

**⚠ WARNING: The torque values fixed by means of the autaset procedure refer to the slow-down speed fixed during the same procedure. If the slow-down speed or space is modified, a new autosetting manoeuvre must be carried out.**

**⚠ WARNING: Check that the impact force value measured at the points established by the EN 12445 standard is lower than that specified in the EN 12453 standard.**

**⚠ Incorrect sensitivity setting can cause injuries to persons or animals, or damage to things.**

**13) TESTED PHOTOCELLS INPUT Fig. H**

**14) CLOSING LIMIT SWITCH PRESSURE Fig. I**

**15) CONNECTION WITH EXPANSION BOARDS AND UNIVERSAL HANDHELD PROGRAMMER (Fig. J)**


Refer to specific manual.

**ACCES TO MENU: Fig. 1**

**PARAMETERS MENU (PR-RF)**  
**(TABLE "A" PARAMETERS)**

**LOGIC MENU (LoG ic)**  
**(TABLE "B" LOGIC)**

**RADIO MENU (rRd io)**

Logic	Description
Rdd StRrE	<b>Add Start Key</b> associates the desired key with the Start command
Rdd 2ch	<b>Add 2ch Key</b> associates the desired key with the 2nd radio channel command
rERd	<b>Read</b> Checks a key of a receiver and, if memorized, returns the number of the receiver in the memory location (from 01 to 63) and number of the key (T1-T2-T3 or T4).
ErRSE 64	<b>Erase List</b>  <b>WARNING!</b> Erases all memorized remote controls from the receiver's memory.
cod rH	<b>Read receiver code</b> Displays receiver code required for cloning remote controls.
wk	<b>ON</b> = Enables remote programming of cards via a previously memorized W LINK transmitter. It remains enabled for 3 minutes from the time the W LINK remote control is last pressed. <b>OFF</b> =W LINK programming disabled.

**- 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 CLONIX Programming Guide, which come with the universal handheld programmer device.

**LANGUAGE MENU (L RnGUAGE)**

Used to set the programmer's language on the display.

**DEFAULT MENU (dEFRAULt)**

Restores the controller's default factory settings.

**AUTOSET MENU (RULt oSEt)**

See Fig. G and "Autoset Men".

**LIMIT SWITCH SETTING MENU (rEG Fc)**

See Fig. F and "LIMIT SWITCH SETTING MENU"

**MONITORING**


The torque parameter defines the maximum acceptable difference between the instant torque and the expected instant torque , i.e. it indicates sensitivity to the obstruction. The lesser the torque parameter, the greater the sensitivity to the obstruction (Torque 1= maximum sensitivity).

**16) ADJUSTING PROCEDURE**

- Before switching on, check electrical connections.
- Set the following parameters: Automatic Closing Time, Opening and closing delay times, Slow-down speed and Slow-down Distance.
- Set all the logics.
- Carry out the autoset procedure.

After completing the autoset procedure, the Motor fast time and the Torque can be manually adjusted.

**WARNING! Any incorrect setting can cause injuries to persons and animals or damage to things.**

 **WARNING:check that the impact force value measured at the points established by the EN 12445 standard is lower than that specified in the EN 12453 standard.**

To obtain a better result, it is advisable to carry out the autoset procedure and the fast time setting with the motors at rest (i.e. not overheated by a considerable number of consecutive manoeuvres).

**TABLE "A" - PARAMETERS MENU - (PR-RF)**

Logic	min.	max.	Default	Personal	Definition	Description
t cR	0	120	40		<b>Automatic Closing Time</b>	Set the numerical value of the automatic closing time from 0 to 120 seconds.
oPEN dELAY t iNE	0,0	10,0	3		<b>Opening delay time</b>	Set the opening delay time for motor 1 relative to motor 2, between 0,0 and 10,0 seconds. Adjust the time lag so that the minimum distance between the leaves, when both are moving, is 50 cm.
cLS dELAY t iNE	0,0	60,0	3		<b>Closing delay time</b>	Set the closing delay time for motor 2 relative to motor 1, between 0,0 and 60,0 seconds. Adjust the time lag so that the minimum distance between the leaves, when both are moving, is 50 cm.
mot 1 t oRQUE	1	99	10		<b>Motor 1 torque</b>	Set the numerical value of the motor 1 torque between 1% and 99%. This parameter denotes sensitivity to the obstacle (couple=1 maximum sensitivity).
mot 2 t oRQUE	1	99	10		<b>Motor 2 torque</b>	Set the numerical value of the motor 1 torque between 1% and 99%. This parameter denotes sensitivity to the obstacle (couple=1 maximum sensitivity).
SLow SPEEd	15	50	15		<b>Slow-down speed</b>	Sets the slow-down speed percentage between 15% and 50% of normal speed.
oP SPEEd	50	99	99		<b>Speed during opening</b>	Sets the running speed that the motor must reach during opening, as a percentage of the maximum speed the actuator can reach. If this parameter is edited, the autoset opening and closing cycle will need to be performed again.
cL SPEEd	50	99	99		<b>Speed during closing</b>	Sets the running speed that the motor must reach during closing, as a percentage of the maximum speed the actuator can reach. If this parameter is edited, the autoset opening and closing cycle will need to be performed again.
d iSt. SLowd	5	50	5		<b>Slow-down space</b>	Set the slow-down percentage between 5% and 59% with respect to the complete manoeuvre.
RP. PRr2.	10	99	40		<b>Pedestrian opening</b>	Set the partial opening percentage for motor 2.

TABLE "B" - LOGIC MENU - (Logic)

Logic	Default	Definition	Cross out setting used	Description				
tCR	OFF	Automatic Closing Time	ON	Activates automatic closing				
			OFF	Excludes automatic closing				
ibl oPEn	OFF	Opening Impulse lock	ON	The Start impulse has no effect during the opening phase.				
			OFF	The Start impulse becomes effective during the opening phase.				
ibl tCR	OFF	Impulse lock TCA	ON	The Start impulse has no effect during the TCA dwell period.				
			OFF	The Start impulse becomes effective during the TCA dwell period.				
3 STEP	OFF	3-step logic	ON	Enables 2-step logic (prevails over "3-step logic").				
			OFF	Enables 4-step logic when the 3-step logic is set to OFF.	A start impulse has the following effects:			
						2 steps	3 steps	4 steps
					closed	opens	opens	opens
					on closing			stop
open	closes	closes	closes					
on opening				stop + TCA	stop + TCA			
after stop	opens	opens	opens					
PRE-ALARm	OFF	Pre alarm	ON	The blinker comes on about 3 seconds before the motor starts.				
			OFF	The blinker comes on at the same time as the motor starts.				
Photo. oPEn	OFF	Photocells on opening	ON	In case of obscuring, this excludes photocell operation on opening. During the closing phase, it immediately reverses the motion.				
			OFF	In case of obscuring, the photocells are active both on opening and on closing. When a photocell is obscured on closing, it reverses the motion only after the photocell is disengaged.				
FRSt cLS	OFF	Rapid closing	ON	Closes 3s after the photocells are cleared before waiting for the set TCA to elapse.				
			OFF	Command not entered.				
tEST Phot	OFF	Photocell test	ON	Activates photocell check (Fig. H)				
			OFF	Deactivates photocell check				
tEST bAr	OFF	Electric edge test	ON	Activates electric edge check (Fig. H)				
			OFF	Deactivates electric edge check				
FHEd codE	OFF	Fixed code	ON	The receiver is configured for operation in fixed-code mode, see paragraph on "Radio Transmitter Cloning".				
			OFF	The receiver is configured for operation in rolling-code mode, see paragraph on "Radio Transmitter Cloning".				
radio Prog	ON	Radio transmitter programming	ON	This enables transmitter storage via radio: 1 – First press the hidden key and then the normal key (T1, T2, T3 or T4) of a transmitter already memorised in standard mode by means of the radio menu. 2 – Within 10s press the hidden key and the normal key (T1, T2, T3 or T4) of a transmitter to be memorised. The receiver exits the programming mode after 10s, other new transmitters can be entered before the end of this time. This mode does not require access to the control panel. <b>IMPORTANT: Enables the automatic addition of new transmitters, clones and replays.</b>				
			OFF	This disables transmitter storage via radio. The transmitters can only be memorised using the appropriate Radio menu. <b>IMPORTANT: Disables the automatic addition of new transmitters, clones and replays..</b>				
1 Mot. on	OFF	1 Active Motor	ON	Only motor 2 activated (1 leaf).				
			OFF	Both motors are activated (2 leaves).				
ScR-2ch	OFF	Gate-open or 2nd radio channel warning light	ON	The output between terminals 21 and 22 is configured as Gate-open warning light, in this case the 2nd radio channel controls pedestrian opening.				
			OFF	The output between terminals 21 and 22 is configured as 2nd radio channel.				
chAnGE Mot.	OFF	Reversing motion	ON	Reverses the motion of motors with respect to standard operating mode: the rod comes out during opening; the rod returns during closing. <b>IMPORTANT: Default has no effect on the logic.</b>				
			OFF	Standard operating mode: the rod returns during opening; the rod comes out during closing.				
PRESS. Suc (special dip 1*)	ON	Closing limit switch pressure	ON	To be used when a closing backstop is present. This function activates leaf pressure on the backstop, without this being considered as an obstacle by the ampere-stop sensor. Therefore the rod continues its stroke for another 0.5s, after intercepting the closing limit switch or as far as the backstop. This way, by slightly anticipating closing limit switch activation, the leaves will come to a perfect halt against the end stop plates (Fig. I Rif. A).				
			OFF	Movement is exclusively stopped by closing limit switch activation, in this case you must proceed to a precise setting of closing limit switch activation (Fig. I Rif. B).				

\*=Refer for universal handheld programmer.