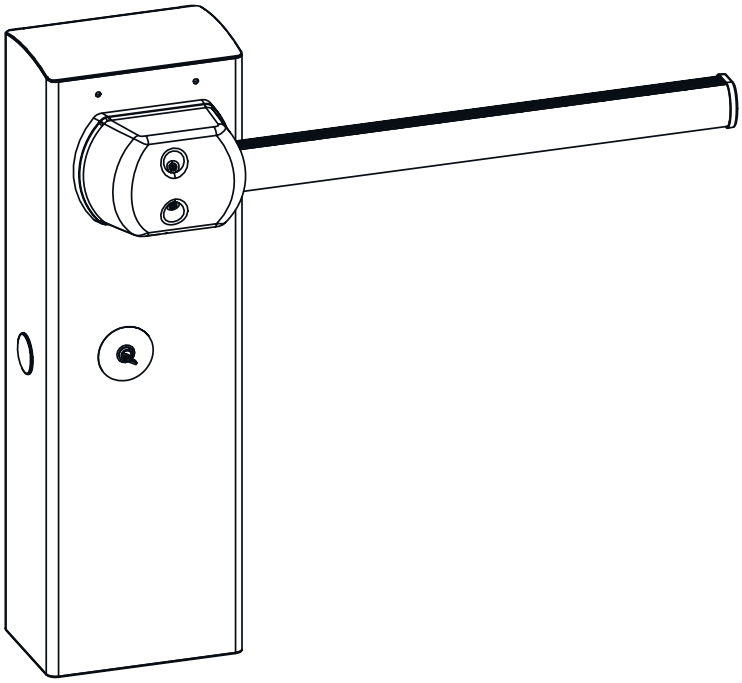


Levixo 40/60 24V RTS

FR Manuel d'installation
EN Installation instructions
TR Montaj kılavuzu
FA بصن یامنهار
AR بيكرتلا ليلد

somfy®

TRANSLATED VERSION OF THE GUIDE

CONTENTS

GENERAL INFORMATION

Safety instructions

Danger

Indicates a danger which may result in immediate death or serious injury.

Warning

Indicates a danger which may result in death or serious injury.

Precaution

Indicates a danger which may result in minor or moderate injury.

Attention

Indicates a danger which may result in damage to or destruction of the product.

1.SAFETY INSTRUCTIONS

DANGER

The motorisation must be installed and adjusted by a professional motorisation and home automation installer, in compliance with the regulations of the country in which it is to be used.

Failure to follow these instructions may result in serious injury, e.g. due to crushing by the barrier.

1.1.Caution - Important safety instructions

WARNING

For reasons of personal safety, it is important to follow all the instructions, as incorrect installation can lead to serious injury. Retain these instructions.

The installer must train all users to ensure the motorisation is used in complete safety.

The user manual must be given to the end user. The installer must explain clearly to the user that installation, adjustment and maintenance of the motorisation must be performed by a professional motorisation and home automation installer.

1.2.Introduction

1.2.1. Important information

This product is a barrier to be used exclusively for motorised vehicles. The main purpose of these instructions is to satisfy the requirements of the aforementioned standard and to ensure the safety of equipment and persons.

WARNING

The barrier must only be used to allow vehicles to pass through. It is strictly prohibited for pedestrians to enter the operating zone of the barrier. It is necessary to provide a separate pedestrian route.

WARNING

Any use of this product outside the scope application described in these instructions is prohibited (see "Field of application" paragraph in the installation manual).

The use of any accessories or components not recommended by Somfy is prohibited, as personal safety cannot be guaranteed.

Any failure to comply with the instructions given in this guide shall exclude Somfy from all liability and invalidate the Somfy warranty.
If in any doubt when installing the motorisation, or to find out more, go to the website www.somfy.com.
The instructions may be modified if and when there is a change to the standards or to the motorisation.

1.3.Preliminary checks

1.3.1. Installation environment

ATTENTION

Do not spray water onto the motorisation.
Do not install the motorisation in an explosive environment.
Check that the temperature range marked on the motorisation is suited to the installation location.

DANGER

CAUTION: It is dangerous to perform any operation on the barrier springs.

1.3.2. Specifications of the barrier to be motorised

After installation, ensure that the parts of the barrier do not encroach onto the pavement or public thoroughfare.

1.4.Electrical installation

DANGER

The installation of the power supply must comply with the standards in force in the country in which the motorisation is installed, and must be carried out by qualified personnel.
The electric line must be exclusively reserved for the motorisation and equipped with protection, comprising:

- a 10 A fuse or breaker,
- a differential type device (30 mA).

An all-pole power supply cut-off device must be provided.
The switches provided to ensure a cut-out of all poles on fixed appliances must be connected to the power supply terminals and there must be a separation between the contacts on all poles to ensure complete disconnection in conditions where category III high impulse voltage is present.
Low-voltage cables subject to inclement weather must be at least H07RN-F type.
It is recommended that you fit a lightning conductor (maximum residual voltage 2 kV).

Cable feed

Underground cables must be equipped with a protective sheath with a sufficient diameter to contain the motor cable and the accessories cables.
For overground cables, use a cable grommet that will withstand the weight of the vehicles (ref. 2400484).

1.5.Handling precautions

Use appropriate handling tools (shape, size and weight of the load), for example a transport trolley.

1.6.Clothing precautions

Take off any jewellery (bracelet, chain, etc.) during installation.
For manoeuvring, drilling and welding operations, wear appropriate protection (special glasses, gloves, ear protection, etc.).

1.7.Safety instructions relating to installation

DANGER

Do not connect the motorisation to a power supply source (mains) until installation is complete.

WARNING

Ensure that any danger zones (crushing, cutting, trapping) between the motorised section and the surrounding fixed sections created by the opening of the motorised section are avoided or indicated on the installation.

WARNING

Modifying any of the components in this kit or using additional components not recommended in this manual is strictly prohibited.

Monitor the barrier as it moves and keep people away from it.
Do not use adhesive to secure the motorisation.

WARNING

Manual unlocking may result in uncontrolled movement of the barrier.

After installation, ensure that:

- the mechanism is correctly adjusted
- the manual back release device is operating correctly

WARNING

For operation in automatic mode or remote control, photoelectric cells must be installed.
In automatic mode, the motorisation operates in at least one direction with no intentional activation by the user.

For operation in automatic mode, or if the barrier faces a public road, installation of an orange light may be required in accordance with the regulations in the country in which the motorisation is commissioned.

1.8.Safety instructions relating to operation

WARNING

This motorisation may be used by children aged 8 and over and by persons whose physical, sensory or mental capacity is impaired, or persons with little experience or knowledge, as long as they are under supervision or have received instructions on safe use of the motorisation and fully understand the associated risks.
Children must not be allowed to play with the motorisation.
Do not allow children to play with the gate control devices.
Keep remote controls out of the reach of children.
Children must not be allowed to clean or maintain the unit.

1.9.Safety instructions relating to maintenance

DANGER

The motorisation must be disconnected from any power supply during cleaning and maintenance and when parts are replaced.

1.10. Regulations

Somfy declares that the product described in these instructions, when used in accordance with the instructions, complies with the essential requirements of the applicable European Directives, and in particular Machinery Directive 2006/42/EC and Radio Equipment Directive 2014/53/EU.
The full text of the EC declaration of conformity is available at the following website: www.somfy.com/ce.
Antoine CREZE, Head of Regulations, Cluses

1.11. Assistance

You may encounter difficulties or have questions when installing your motorisation.
Do not hesitate to contact us; our specialists are on hand to answer all your questions.
Internet: www.somfy.com

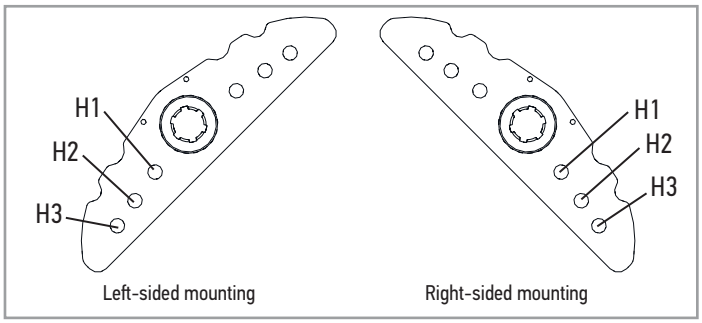
2.PRODUCT DESCRIPTION

2.1.Field of application

This motorisation is intended exclusively for a barrier for residential and collective use and for vehicles only.

Useful boom length

Boom accessories									
Rubber under the boom (ref. 9017045)			✓	✓	✓		✓	✓	✓	
Rubber on the boom (ref. 9017045)			✓	✓			✓	✓		
LED lighting kit (ref. 9020718)			✓				✓			
Rest fork (ref. 9020720)			✓	✓	✓	✓				
Levixo 60	H3	Min. L	4.2 m	4.3 m	4.5 m	4.8 m	4.6 m	4.7 m	5 m	4.7 m
		Max. L	5 m	5 m	5 m	5 m	5 m	5 m	5 m	6 m
	H2	Min. L	2.6 m	3 m	3.2 m	3.4 m	3.3 m	3.4 m	3.6 m	4.1 m
		Max. L	4 m	4.1 m	4.4 m	4.7 m	4.4 m	4.6 m	4.7 m	4.6 m
Levixo 40	H3	Min. L	2.8 m	2.8 m	2.8 m	2.8 m	2.8 m	2.8 m	4 m	3.8 m
		Max. L	4 m	4 m	4 m	4 m	4 m	4 m	4 m	4 m
	H2	Min. L	2.2 m	2.3 m	2.5 m	2.6 m	2.6 m	2.6 m	2.6 m	2.9 m
		Max. L	2.7 m	2.7 m	2.7 m	2.7 m	2.7 m	2.7 m	2.7 m	3.7 m
	H1	Min. L	1.4 m	1.4 m	1.5 m	1.6 m	1.7 m	1.8 m	1.9 m	2.1 m
		Max. L	2.2 m	2.3 m	2.5 m	2.6 m	2.6 m	2.7 m	2.7 m	3 m



2.2.Dimensions - Fig. 1

2.3.Standard installation - Fig. 2

No.	Description	Cable (mm^2)
1	Levixo 40/60 motor	2 x 1.5 + T
2	Boom	-
3	Rest fork	-
4	Pillar for photoelectric cell	2 x 0.75 + 4 x 0.75
5	Orange light	2 x 0.75
6	Magnetic coil	Cable provided with the magnetic coil ref. 9020724

3.INSTALLATION

Attention
Check that the ground is level.

The barrier can be installed either directly on the ground or using the mounting plate provided (recommended for easier levelling).

The barrier is supplied for left-hand mounting.

3.1.Preparing the base

Attention
Before opening the door of the housing, it is essential to ensure that the spring is released by moving the boom to the vertical position as shown in figure 15.

The door of the housing must be facing inside the property.

3.1.1. Foundations with a base plate (optional) and concrete foundation - Fig. 3

1) Make a hole in the base suitable for the type of terrain.
2) Use several ducts to route the electrical cables.
3) Place the 4 bolts supplied with the base plate in the final position with the thread of the bolt facing upwards and weld the heads of the 4 bolts to the base. Protect the welds with an anti-rust product.
4) Position the plate so that it protrudes from the ground by approximately 20 mm.

In figure 3, the arrows indicate the direction in which the vehicles drive.

5) Fill the base with concrete, using a spirit level to check the position of the plate in both directions, and leave the cement to harden.

3.1.2. Foundations without base plate Fig. 4

1) Place the housing on the ground.
2) Unhook (Fig. 9) then remove the spring for easier access to the housing mounting holes.
3) Mark the mounting holes.
4) Remove the housing and drill the mounting holes.
5) Insert plugs (not provided) in the mounting holes.

The top surface of the actuator is angled slightly to prevent rain water from collecting. Use a side surface to check that the housing is level.

3.2.Mounting the housing - Fig. 5

Secure the housing using M12 nuts.

The earth wire is not provided.

3.3.Mounting the boom - Fig. 6

1) Lubricate the shaft before installing the boom mounting plate.
2) Place the end limit against its stop in the vertical position according to whether the barrier is mounted on the left-hand side (Fig. 7A) or right-hand side (Fig. 7B). Disengage if necessary (Fig. 15). IMPORTANT: the spring must have been remove at this stage.

3) Place the mounting plate on the shaft. It must be parallel to the housing.

4) Secure using the bolt provided in the mounting kit.

Tightening the bolt will drive the mounting plate down parallel.

5) Screw the calliper to the mounting plate, leaving enough play to facilitate assembly of the boom.

The calliper is fitted with stops allowing the boom to be blocked. Place the stops towards the bottom.

6) Disengage the boom (Fig. 15) then turn the mounting plate with the calliper in a horizontal piosition and insert the boom.

7) Disengage again to place the boom in the vertical position. Once the boom is fitted firmly onto its stop, tighten the 4 bolts.

8) Remove the protective film from the cover.

3.4.Setting the end limits

The barrier is fitted with adjustable electrical end limit contacts and a mechanical stop.

A rotation margin of approximately 1° must be left between the electrical end limit contact and the mechanical stop, both for opening and closing, in order to prevent damage to the end limit contacts.

Setting the mechanical end limits - Fig. 7

Fig. 7 **A** : Left-sided mounting

Fig. 7 **B** : Right-sided mounting

Key

FCC: Closing end limit

FCO: Opening end limit

In the open position (vertical boom), leave an additional 1° in order to facilitate calibration of the electrical end limit.

3.5.Installing and configuring the spring - Fig. 8

1) Open the barrier.

2) Install the spring connector on the left-hand or right-hand section of the mechanical end limit according to the side on which the barrier is to be installed.

Fig. 8 **A** : Left-sided mounting

Fig. 8 **B** : Right-sided mounting

The mechanical end limit has 3 mounting holes according to the desired length of boom. Place the spring connector in the appropriate hole for the installation (see "Useful boom length" in "2.1. Scope of application").

3) Fasten the spring tensioner to the mechanical end limit in accordance with the assembly diagram.

4) Fasten the spring to the tensioner.

5) Secure the spring to the lower section of the housing by sliding the spring into the notch then turning the spring upwards slightly so that it pushes against its stop.

3.6.Balancing the boom - Fig. 9

Attention

The boom must be balanced at 45°-50°.

Balance the boom by increasing the tension of the spring.

Attention

Once the boom is balanced, tighten the top and bottom nuts of the tensioner so that the vibrations do not cause the nuts to move. Otherwise, the spring will not remain in position and the boom will not be correctly balanced.

3.7.Electrical connection - Fig. 10

Warning

- *Use a 3x1.5 mm² cable for use outside (min. type H07RN-F).*
- *The cable clamps supplied must be used.*
- *For all low-voltage cables, ensure that they can withstand traction of 100 N. Check that the conductors have not moved when this traction is applied.*

L	N	⏚
Brown	Blue	Yellow/Green

4.COMMISSIONING

4.1.Navigating the settings menu

Buttons	Function
OK	• Press twice to access the settings menu • Press once to confirm: - the setting selection - the setting value
+ OR -	Navigating the settings list Modifying the value of a setting
+ AND -	Exiting the settings menu

4.2.Setting the opening direction of the barrier - Fig. 11

The barrier is set for left-hand mounting as standard.

Change the opening direction of the barrier in the event of right-handing mounting.

Menu	Sub-menu	Value	Description
LoG Ic	InU.SEnS. oUu	0	Opening direction reversed in relation to standard operation (right-hand barrier)
		1	Standard operation (left-hand barrier)

4.3.Calibrating the electronic end limits - Fig. 12

Calibration is required so that the mechanical end limit ends its travel gently on the mechanical stop.

Menu	Sub-menu	Value	Description
PArAM	cAL. oUu.	0 to 100 (**40**)	Calibrating the opening end limit (%)
	cAL. FErM.	0 to 100 (**60**)	Calibrating the closing end limit (%)

4.4.Memorising the remote controls - Fig. 13

1) Press the **PROG** button on the control unit for 2 seconds.

The indicator light is lit constantly.

2) Press the button on the remote control which will open the barrier.

The indicator light flashes; the remote control has been stored.

If this procedure is carried out using a channel which has already been memorised, this channel will be cleared.

To exit programming mode without programming a remote control: briefly press the PROG button on the control unit.

4.5.To be checked always before use

- The length of the boom corresponds to the length indicated in the "Useful boom length" table.
- The washers and mechanical parts comprising the spring tensioner are in the order indicated in figure 8.
- The spring is taut even when the boom is in the vertical position.
- The boom is well balanced at 45-50°.
- The two tensioner nuts are correctly positioned and locked as indicated in figure 9 and according to procedure 3.6 "Balancing the boom".
- The opening direction of the barrier and the opening/closing calibration are correctly configured.

5.USE

5.1.Standard use of remote controls - Fig. 14

5.2.Locking/unlocking the boom - Fig. 15

Attention

Operation to be carried out with the power off.

5.3.Obstacle detection operation

When an obstacle is detected during closing, the barrier re-opens.

5.4.User training

All users must be trained on how to safely use this barrier (standard use and locking principle) and on the mandatory periodic checks.

6.CONNECTING ADDITIONAL DEVICES

Danger

Switch off the electrical supply to the motor before performing any operation on the additional devices.

6.1.General wiring diagram - Fig. 16

	Terminal	Definition	Description
Power supply	L	Live	Single-phase power supply 220-230V ~ 50/60 Hz
	N	Neutral	
	JP31	PRIM TRANSF	Primary transformer connection, 220-230V~
	JP32		
	JP13	SEC TRANSF	Board power supply: 24V~ Secondary transformer
Motor	3	MOT +	Motor 1 connection
	4	MOT -	
Aux	7	BLINKER	Max. 25 W
	8		
	9	AUX 3 - free contact (max. 24V 0.5A)	Configurable output AUX 3 See "7.2. List of settings"
	10		
End limits	12	+ REF SW	Common
	13	RIFC	Closing end limit (NC)
	14	RIFO	Opening end limit (NC)
Accessories power supply	15	24V-	Accessories power supply output
	16	24V+	
	17	24Vsafe+	Power supply output for safety mechanisms tested (photoelectric cells and safety edge transmitter) Output active only when moving
Commands	18	Common	IC 1 and IC 2 inputs common
	19	IC 1	Configurable command input 1 (NO) See "7.2. List of settings"
	20	IC 2	Configurable command input 2 (NO) See "7.2. List of settings"
Safety devices	24	Common	STOP, SAFE 1 and SAFE 2 outputs common
	25	STOP	The command interrupts the manoeuvre (NC) If not used, leave the lug in place.
	26	PHOT (Safe 1)	Configurable safety input 1 (NC) See "7.2. List of settings"
	27	Not used	
	28	BAR (Safe 2)	Configurable safety input 2 (NF) See "7.2. List of settings"
	29	Not used	
Aerial	Y	Not used	
	#		

6.2.Description of the various additional devices

6.2.1. Photoelectric cells

Without auto-test- Fig. 17

With auto-test - Fig. 18

6.2.2. Orange light - Fig. 19

6.2.3. LED module - Fig. 20

6.2.4. Metal detector - Fig. 21

6.2.5. Aerial

The integrated aerial must be directed downwards to the system operates correctly.

7.ADVANCED PARAMETER SETTING

7.1.Navigating in parameter setting mode

Buttons	Function
OK	• Press twice to access the settings menu • Press once to confirm: - the parameter selection - the parameter value
+ OR -	Navigating the parameter list Modifying the value of a setting
+ AND -	Exiting the settings menu

7.2.List of settings (menus and sub-menus)

In the table, the **value in bold type** corresponds to the **default value**.

Menu	Sub-menu	Val.	Description
PArAM	tcA	0 to 180 (**10**)	Automatic closing timeout
	oPEn.AdJ ib.	0 to 100 (**40**)	Calibrating the opening end limit (%)
	cLoS.AdJ ib.	0 to 100 (**60**)	Calibrating the closing end limit (%)
	AccEL.	1 to 10 (**3**)	Acceleration at start of movement (%)
	d ISt.dEcEL	0 to 99 (**70**)	Deceleration distance (shift from operating speed to slowing speed) when opening and closing expressed as a percentage of the total travel.
	oP.ForcE	40 to 99 (**75**)	Force exerted by the barrier when opening (%)
	cLS.ForcE	40 to 99 (**75**)	Force exerted by the barrier when closing (%)
	brAKE	1 to 10 (**2**)	Braking during slowing phase (%)
	oP.SPEEd	15 to 99 (**75**)	Opening speed (%) Setting of speed the barrier much reach when opening as a percentage of the maximum speed that can be reached by the barrier.
	cL SPEEd	15 to 99 (**75**)	Closing speed (%) Setting of speed the barrier much reach when closing as a percentage of the maximum speed that can be reached by the barrier.
LoGIc	tcA	**0**	Automatic closing not activated
		1	Automatic closing activated
	FASt cLS.	**0**	Quick closing not activated
		1	Quick closing activated: closing 1s after the cells are cleared without waiting for the end of the automatic closing timeout configured
	StEP-bY-StEP MouEMnt	**0**	Operation 4 steps from the radio-configured inputs
		1	Operation 3 steps from the radio-configured inputs.A command sent when closing reverses the movement .
		2	Operation 2 steps from the radio-configured inputs.A command sent when closing or opening reverses the movement
	PrE-ALArM	0	Without notice before movement
		1	With 3 s warning prior to movement
	hoLd-to-rUn	**0**	Pulse-controlled operation
		1	"Dead man" operation • Input 19 configured as OPEN UP • Input 20 configured as CLOSED UP Controlled by maintained action ⚠ ***Attention*** *Safety devices inactive*
		2	Emergency "dead man" operation is activated if the safety mechanism (photoelectric cells, etc.) auto-tests fail 3 times in succession. Active 1 minute after releasing the OPEN UP - CLOSE UP buttons. • Input 19 configured as OPEN UP • Input 20 configured as CLOSED UP ⚠ ***Attention*** *Safety devices inactive*
	ibL oPEn	0	Pulse of radio-configured inputs takes effect during opening.
		1	Pulse of radio-configured inputs does not take effect during opening.
	ibL tcA	**0**	Pulse of radio-configured inputs takes effect during TCA opening.
		1	Pulse of radio-configured inputs does not take effect during TCA pause.
	ibL cLoSE	**0**	Pulse of radio-configured inputs takes effect during closing.
		1	Pulse of radio-configured inputs does not take effect during closing.
	oPEn in othEr dirECt.	0	Opening direction reversed in relation to standard operation (right-hand barrier)
		1	Standard operation (left-hand barrier)

	2 STEPS	3 STEPS	4 STEPS
Closed	Open	Open	Open
When closing			Stop
opened	Close		Close
Opening		Stop + closing timeout	Stop + closing timeout
After STOP	Open	Open	Open

Menu	Sub-menu	Val.	Description
	SAFE 1/SAFE 2	**0**	Cell safety input active without auto-test. The cells are active at opening and closing. When closing, movement inverted if the cells are not obscured.
		1	Cell safety input active with auto-test. The mechanism's auto-test is conducted at the start of the movement. The cells are active at opening and closing. When closing, movement inverted if the cells are not obscured.
		2	Cell safety input active without auto-test. The cells are active at opening and closing. When closing, movement inverted if the cells are not obscured.
		3	Unavailable
		4	Unavailable
		5	Unavailable
		6	Safety edge safety input active without auto-test In the event of activation, movement inverted for 2 s.
		7	Safety edge safety input active with auto-test The mechanism's auto-test is conducted at the start of the movement. In the event of activation, movement inverted for 2 s.
	Ic 1/ Ic 2	0	Radio-configured input Operation in accordance with STEP BY STEP movt rationale
		1	Unavailable
		2	Input configured as open A command causes the barrier to open. If the input remains closed, the barrier remains open until the contact is opened. With the contact open, the barrier closes after the automatic closing timeout if this is activated.
		3	Input configured as closed A command causes the barrier to close.
		4	Unavailable
		5	Input configured as timer Identical operation to "Open" but closing is guaranteed even in the event of a power cut.
	AUX 3 (auxiliary 3)	**1**	SCA barrier open indicator output Contact closed when opening and when the barrier is open, intermittent during closing, open with barrier closed.
		2	Courtesy lighting command output Contact closed for 90 seconds after the last movement
		12	Barrier status output Contact closed when the barrier is completely closed
dEFAULt			Control unit reset to factory configuration
LAnGUAGE		ItA	
		FrA	
		dEU	
		EnG	Default value
		ESP	
StAt	uErS		Control unit software version
	n. cYcLES		Number of cycles (per hundreds)

8.CLEARING THE REMOTE CONTROLS AND ALL SETTINGS

8.1.Clearing the settings - Fig. 22

Attention

If the settings are deleted, they are reset to the factory values. It is important to set the barrier opening direction again and to calibrate the electronic end limits.

1) Select dEFAULt in the control unit menu.

2) Press **OK** on the control unit to confirm the factory configuration reset of the control unit.

8.2.Clearing the memorised remote controls - Fig 23

Press the **PROG** button on the control unit for 7 seconds.

The indicator light flashes slowly; all remote controls have been cleared.

9.DIAGNOSTIC AND TROUBLESHOOTING

9.1.Diagnostics

Code	Description	Comments
StrE	Activation of the external radio start input	
oPEn	Activation of the OPEN input	
cLS	Activation of the CLOSE input	
t IME	Activation of the TIMER input	
StoP	Activation of the STOP input	
Phot	Activation of the PHOT photoelectric cells input or, if configured as active cells with auto-test, activation of the associated FAULT input	
bAr	Activation of the safety edge input or, if configured as safety edge with auto-test, activation of the associated FAULT input	
SUc	Activation of the motor closing end limit input	
SUo	Activation of the motor opening end limit input	
Er01	Photoelectric cell auto-test failure	Check connection and/or settings.
Er02	Safety edge auto-test failure	Check connection and/or settings.
Er 1H*	Circuit board equipment test error	Check connections on the motor. Equipment problems on the circuit board; contact Somfy.
Er2H*	Encoder error	Check the wiring and the encoder circuit board, possibly the direction of the motor and reset the circuit board to factory configuration.
Er3H*	Obstacle detection	Check the presence of an obstacle.
Er4H*	Thermal	With until the mechanism cools down.
Er70 Er71 Er74 Er75	System supervision internal control error	Try to switch the circuit board off and on again. If the problem persists, contact Somfy.
Er72	Control unit settings coherence error (LoG Ic and PArAM)	Pressing OK once will confirm the settings detected. The board will continue to work with the settings detected. ***Attention*** *Check the settings (LoG Ic et PArAM).*
Er73	Error in the D-track settings	After pressing OK, the board will continue to operate with D-track by default. ***Attention*** *Auto-configuration is required.*
ErFH*	End limit error	Check the wiring of the end limits.

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

10. TECHNICAL DATA

Barrier	
Power supply	220-230 Vac 50/60 Hz
Motor voltage	24 Vdc
Power consumption	300 W
Maximum torque	130 Nm (Levixo 40) / 260 Nm (Levixo 60)
End limit	Mechanical and electrical setting
Obstacle detection	Encoder (optical)
Unlocking	Individual key
Speed	2.5 s to 6 s (Levixo 40) / 3 s to 9 s (Levixo 60)
Maximum boom length	4 m without accessories (Levixo 40) / 6 m without accessories (Levixo 60)
Climatic operating conditions	- 20°C/+ 55°C - IP 54
Use - maximum number of cycles	Intensive - 85 cycles / hour (approx. 2,000 cycles/day)
Weight (without boom)	40 kg
Control unit	
Protection against surges and short-circuiting	Software Fuses F1 (2 A), F3 (1.25 A T), F4 (1.25 A T) - Fig.16
Accessories power supply	24 V⎓ (maximum intensity 0.5 A) 24 V⎓ (auto-test)
AUX 0	Contact powered NO (max. 24 V⎓ / 1 A)
AUX 3	Contact NO (max. 24 V⎓ / 1 A)
Radio frequency	433.42 MHz < 10 mW
Number of storable channels	36
Programming interface	LCD screen - 4 buttons