

# E-MOTION

Automatic guide E-MOTION for a single automatic sliding door Pocket sliding system  
ECLISSE UNICO, ECLISSE LUCE SD, ECLISSE UNILATERALE, ECLISSE EWOLUTO®



**OPERATING MANUAL  
USE AND MAINTENANCE**

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## 0. INTRODUCTION

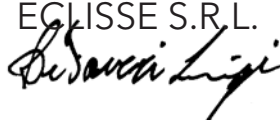
Dear client,

We would like to thank you for your trust in ECLISSE, for buying this new and innovative automatic guide, E-MOTION, which can be installed in our pocket systems ECLISSE UNICO, LUCE SD, UNILATERALE, EWOLUTO®.

ECLISSE products are all designed and developed following special production models and they are based on need. This is how we guarantee outstanding performances, simple installation and easy use.

This manual contains important information, needed for a correct and safe installation of the automatic guide. We would like you to read the operating and use instruction carefully before installing and using E-MOTION automatic guide.

Yours sincerely,

ECLISSE S.R.L.  


Luigi De Faveri

## 1. DETAILS

This manual has reference to:

- Installation
- Use and maintenance

Referring to E-MOTION automatic guide.

The installation part is limited ONLY to the technical qualified staff.

### 1.1 GENERAL WARNINGS



Before installing, using or making the maintenance of E-MOTION automatic guide, we require you to read and understand this manual.

This document is a part of the automatic guide and it must be kept by the client or by the user for future consultations.

This manual means to give all the needed instructions, in order to guarantee correct installation and maintenance.

ECLISSE Srl reserves the right to modify and improving the manual and described product in any moment without notice.

The data presented in this document has been prepared and controlled carefully, but ECLISSE Srl deny liability for any inaccuracies due to press or transcription mistakes or excisions.

E-MOTION automatic guide, when installed in pocket system, is to all intents and purposes a machine, as described in Directive 2006/42/EC on machinery.

The complete analysis of safety and health protection, as described in the Directive on machinery, is valid only if:

- All procedures described in the manual have been correctly respected;
- The type of installation corresponds to the one illustrated on the manual.

**Any procedure or action undertaken on administration, installation, functioning, maintenance and use of the machine which is not expected and described in this manual, won't be included in this analysis, this way ECLISSE Srl is not responsible. The fitter will take charge for the essential safety and health protection requirements.**

## 1.2 WARNINGS FOR CORRECT INSTALLATION OF THE AUTOMATION:



Ensure that the conduits to run the cables has been installed correctly. If possible, prepare the cabling.

Ensure that the automation, the floor, the door guide and the surface of the underbody are level and squared with the counter-frame.

Install the new track with the motorisation. Ensure that there are no obstacles and that the track is correctly inserted.

Install the motorisation, taking care not to pinch cables.

To fit the track, remove the metal protection, "remove the plastic protection only if this is indispensable" (this should always be refitted to prevent the circuits being accessible).

It is preferable to conduct the final test of the travel without the door panel, check the actual travel of the carriage (if possible, test with a cardboard or light plywood template that simulates the size of the door panel - not included).

Assemble the door panel, strictly complying with the instructions.

Once the door panel has been adjusted, be sure to tighten the carriage-bracket screws.

**IMPORTANT:** the door panel must always be positioned at least 10 mm from the floor.

**The automation should be installed in such a way so that it can be inspected:** jambs, frames, fixtures, etc. must be removable;

- only some adjustments can be carried out with the guide installed.

### **Attention:**

- To carry out any repairs, the track must be removed.

Ensure none of the accessories (door guide, jambs, frames, brushes, gaskets, brackets, etc.) cause rubbing.

Attention: in the maximum opening position, the door panel can stay at a gap of up to **50 mm** with respect to the jambs due to the motor magnet spacing.

Ensure that the door is not subject to lateral compressions/depressions (due to blowers, suction units, etc.); this could activate the obstacle interception device and be read as an error.

Check the automation with the panel and accessories assembled. The end user is not able to perceive the force that is actually applied to move the door.

If necessary, carry out adjustments, always paying attention to the position of the trimmers or dip-switches and any consequent variations for proper operation of the device.

### 1.3 GENERAL RULES



E-MOTION automatic guide is designed exclusively for pocket sliding systems automation used by ECLISSE pocket sliding systems for single door.

It cannot be used for aims that are different from the ones described in this manual.

E-MOTION automatic guide has been designed and developed respecting all Norma EN 16005 "Automatic pedestrian doors-Safety in use" requirements.

E-MOTION has been designed to work correctly with a maximum weight of 80 kg per door.

ECLISSE Srl denies any liability for any harm or damage.

Any alteration or substitution of parts or components of the guide, and the use of accessories or materials that are not original, almost raises the risk so the producer denies any civil or penal liability.

It is forbidden to remove and/or change the directions and the signposting or accessories placed on the automatic guide by the producer.

It is forbidden to stay in the sliding zone of the doors or operate near the moving mechanic parts.

### 1.4 GUARANTEE



Guarantee lapses if the use of E-MOTION automatic guide doesn't respect the instructions and the rules illustrated in this manual and if components, accessories, spare parts and control systems non-provided by ECLISSE are used.

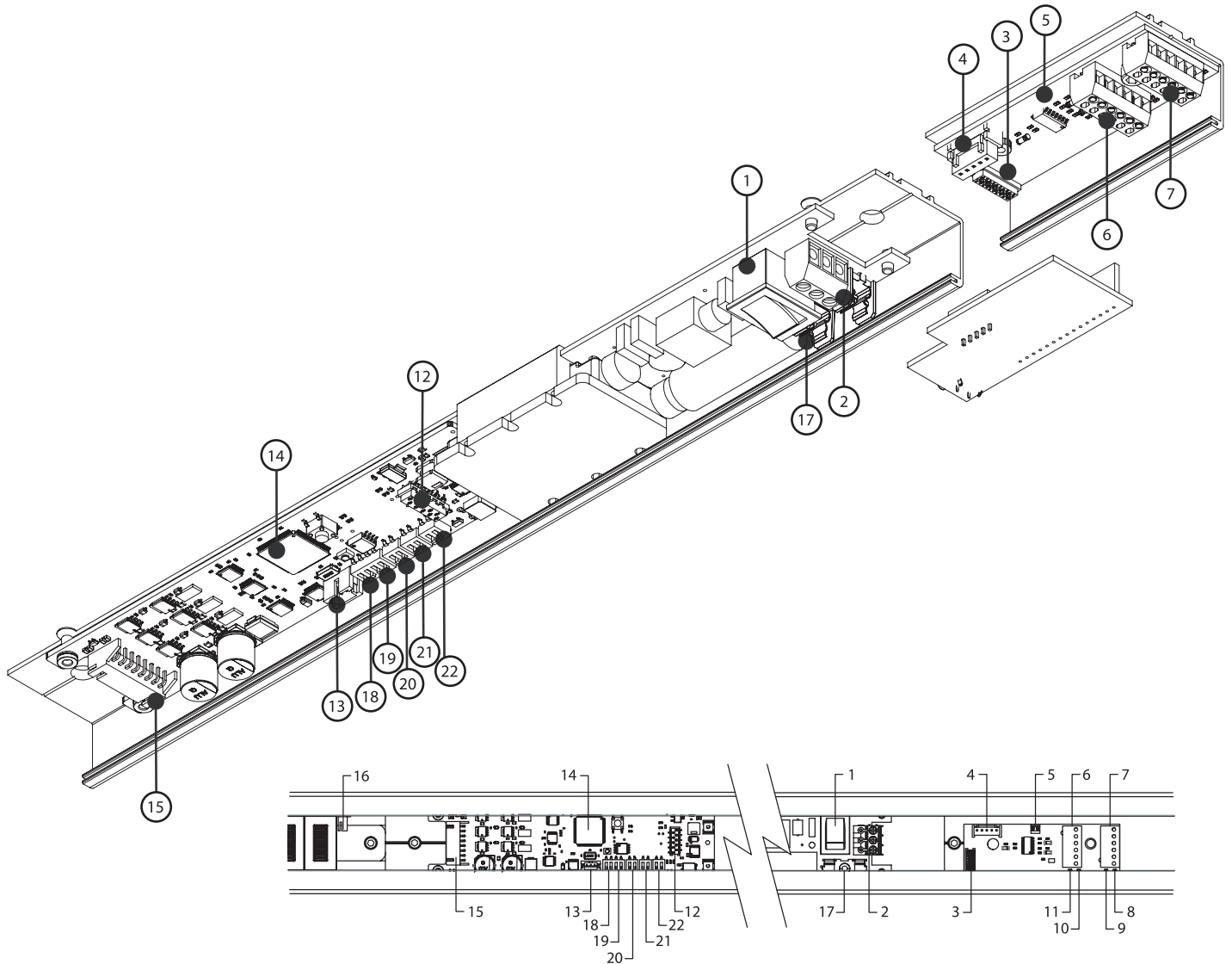
## 2. TECHNICAL AND ASSISTANCE DATA

### 2.1 TECHNICAL DATA E-MOTION GUIDE - MECHANIC

DIMENSION		PARAMETER E-MOTION GUIDE									
Width	<b>52 mm</b>	Passage Size (mm)	Guide Length (mm)	Track Length (mm)	Opening Speed	Closing Speed	Guide Weight (kg)				
Height	<b>58 mm</b>	700	1420	735	Variable regulation 0,20 - 0,70 m/sec.	Auto regulation complies with EN 16363 "Low Energy" (**)	8,0				
		750	1520	785			8,5				
		800	1620	835			9,0				
		850	1720	885			9,5				
		900	1820	935			10,0				
		950	1920	985			10,5				
		1000	2020	1035			11,0				
		1050	2120	1085			11,5				
		1100	2220	1135			12,0				
		1150	2320	1185			12,5				
		1200	2420	1235			13,0				
		1250	2520	1285			13,5				
		1300	2620	1335			14,0				
		<b>DOOR WEIGHT (kg)</b>		10	20	30	40	50	60	70	80
		<b>(**) Closing Speed (m/sec.)</b>		0,57	0,40	0,33	0,28	0,25	0,23	0,21	0,20

### 2.2 TECHNICAL DATA, E-MOTION GUIDE - ELECTRIC CHARACTERISTICS

ELECTRIC CHARACTERISTICS	
Input	Voltage: 230 V AC - 50/60 Hz Intensity: 1 A Fuse protection: 2,5 A Input cable: 3x1,0 mm <sup>2</sup> Length: 2 m.
Power / Consumption	Medium: 80 W Peak: 120 W Stand-by: 15 W
Electric motor	Model: Linear PMSM Motor - Permanent magnet synchronous linear motor with Iron core. N° Poles: 4 Pitch poles 25 mm. N° Phases: 3 Voltage: 24 V DC - 5 A Magnet: Neodymium 35H Force <80 N
Control	Type: Microprocessor type DSP for vectorial control of movement. Course auto-learning. Door weight auto-learning.
Accessories	Voltage: 24 V DC Intensity: 1 A
Functioning temperature	Minimum: 5° C - Maximum 60° C



- |  |   |  |
|--|---|--|
| 1 ON/OFF Button                            | 9 Orange led (button signal active)         | 18 Operation                               |
| 2 Power supply input 220V-50 Hz            | 10 Green led (external radar signal active) | 19 Regulation of opening speed             |
| 3 Accessories circuit connection           | 11 Red led (lock signal active)             | 20 Regulation of closing sensitivity force |
| 4 RF receiver connection                   | 12 Accessories circuit connection           | 21 Regulation of door opened time          |
| 5 Domotics connection (reserved)           | 13 PC connection (reserved)                 | 22 Dip switches (door Weight)              |
| 6 External radar and lock connection       | 14 Microprocessor                           |  |
| 7 Internal radar and buttons connection    | 15 Motor/ receiver connection               |  |
| 8 Green led (internal radar signal active) | 16 Motor/ receiver connection               |  |
|  | 17 Protection fuse 2 A                      |  |

### ELECTRIC CHARACTERISTICS

#### POWER SUPPLY

Voltage	<b>230 V AC</b>
Power	<b>120 W</b>
Intensity	<b>0,75 A</b>
Frequency	<b>50/60 Hz</b>

#### NORMATIVE



2006/42/CE  
2004/108/CE  
2006/95/CE  
EN 60335

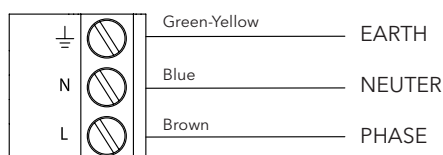
#### LINEAR MOTOR

Type:	<b>"PMSM" Permanent magnet synchronous motor</b>		
	<b>Iron core. 3 Phases - 4 Poles - 24 V</b>		
Magnets:	<b>Neodymium 35 H</b>	<b>Pitch Pole 25 mm</b>	
Consumption:	<b>Peak 120 W</b>	<b>Force: 80 N</b>	
	<b>Medium 80 W</b>	<b>IP: IP 22</b>	
	<b>Stand-By 15 W</b>	<b>Class: I</b>	

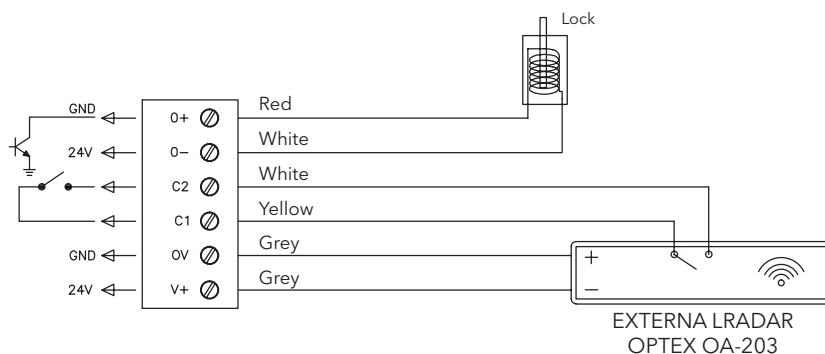
#### ACCESSORIES

Power:	<b>24 W</b>	Power supply	<b>24 V DC</b>
		Consumption	<b>1 A</b>

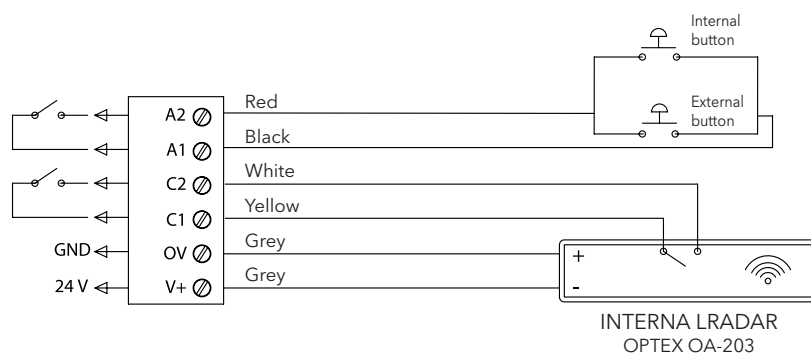
#### 2 → POWER SUPPLY INPUT



#### 6 → EXTERNAL RADAR AND LOCK CONNECTION



#### 7 → INTERNAL RADAR AND BUTTON CONNECTION





### 3. DEMOLITION AND DISPOSAL



#### PACKAGE DISPOSAL

Package components can be assimilated to municipal waste and they can be disposed of without any difficulty, simply doing the waste separation for recycling.

Before proceeding we advise you to verify the specific directives, in the installation place.

**DO NO POLLUTE BY TOSSING THIS CONTAINER AFTER USE!**



#### PRODUCT DISPOSAL

Our products are made of different material. Most of them (aluminium, plastic, iron, electric cables) can be assimilated to municipal waste. They can be recycled by the waste separation and disposal in the authorized centres.

Other components (printed circuit board, radio control's batteries etc.) could contain pollutants.

These one should be removed and given to companies entitled to recovery and disposal of waste.

Before proceeding we advise you to verify the specific directives, in the disposal place.

**DO NO POLLUTE BY TOSSING THIS PRODUCT AFTER USE!**



## 4. PART I. INSTALLATION MANUAL

### 4.1 INTRODUCTION

This part of the manual is dedicated to qualified installers only.

Before installing automatic guide E-MOTION this part of the manual must be read and fully understood.

The installation of E-MOTION automatic guide must be performed by competent technical staff in possession of technical tools required by the law in the place of installation.

### 4.2 RISK ANALYSIS



Below is the table with details of the different phases of installation, risks and safety measures to be taken:

N°	Phase	Risk	Protection measures
0	Guide disassembly	Cut - Crushing	Gloves
1	Description of E-MOTION automatic guide	Cut - Crushing	Gloves
2	Cover disassembly	Cut - Crushing	Gloves
3	Guide installation in the pocket system	Cut - Crushing	Gloves
4	Electronic components	Cut - Crushing	Gloves
5	Accessories' test and connection	Cut - Crushing	Gloves
6	Functioning test	Cut - Crushing	Gloves
7	Cover assembly	Cut - Crushing	Gloves
8.a	Glass doors installation	Cut - Crushing	Gloves - Accident prevention shoes
8.b	Wooden door installation	Cut - Crushing	Gloves - Accident prevention shoes
9	Commissioning ON	Cut - Crushing	Gloves

### 4.3 PRE-INSTALLATION OPERATIONS

Read the manual before installation: it is important for your safety to respect the instructions in this document. Improper installation can cause serious injury.

Make sure the installation area is closed to unauthorized persons.

During installation and maintenance, use accident prevention equipment.

Make sure that the package includes all the necessary components for the guide assembly and that they are in good condition. Prepare all the required tools for assembly.

During assembly and connection make sure to operate without tension.

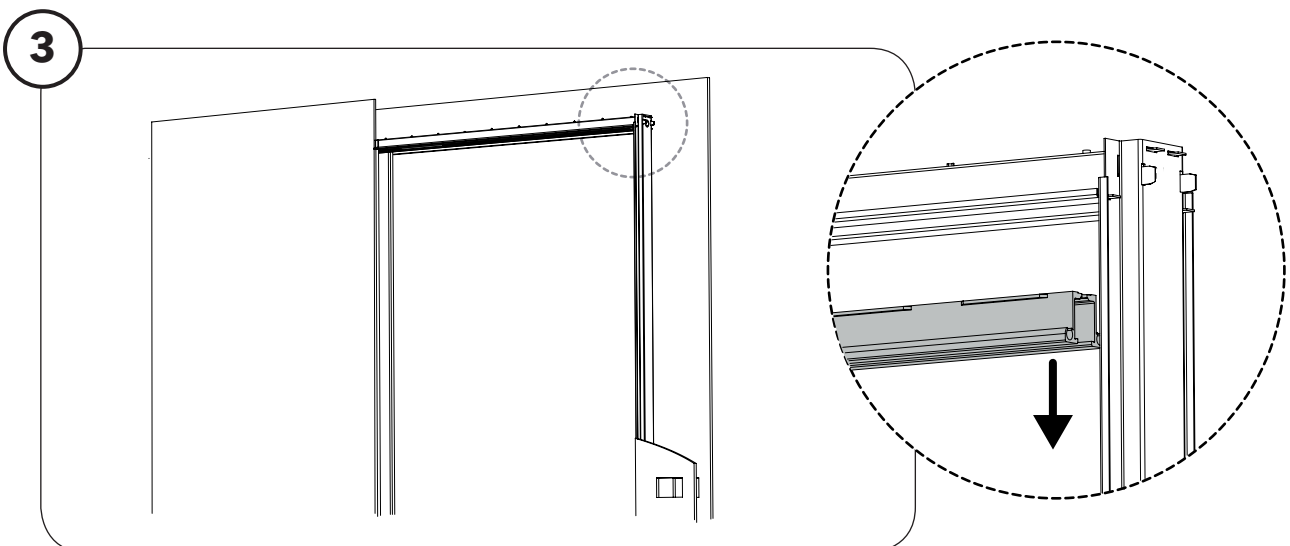
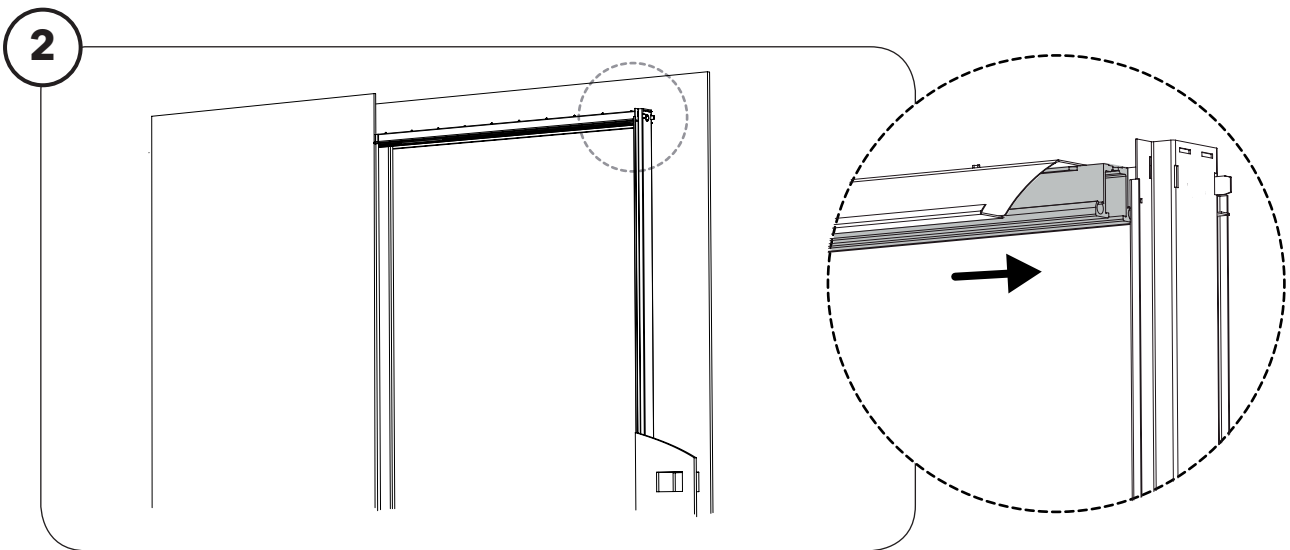
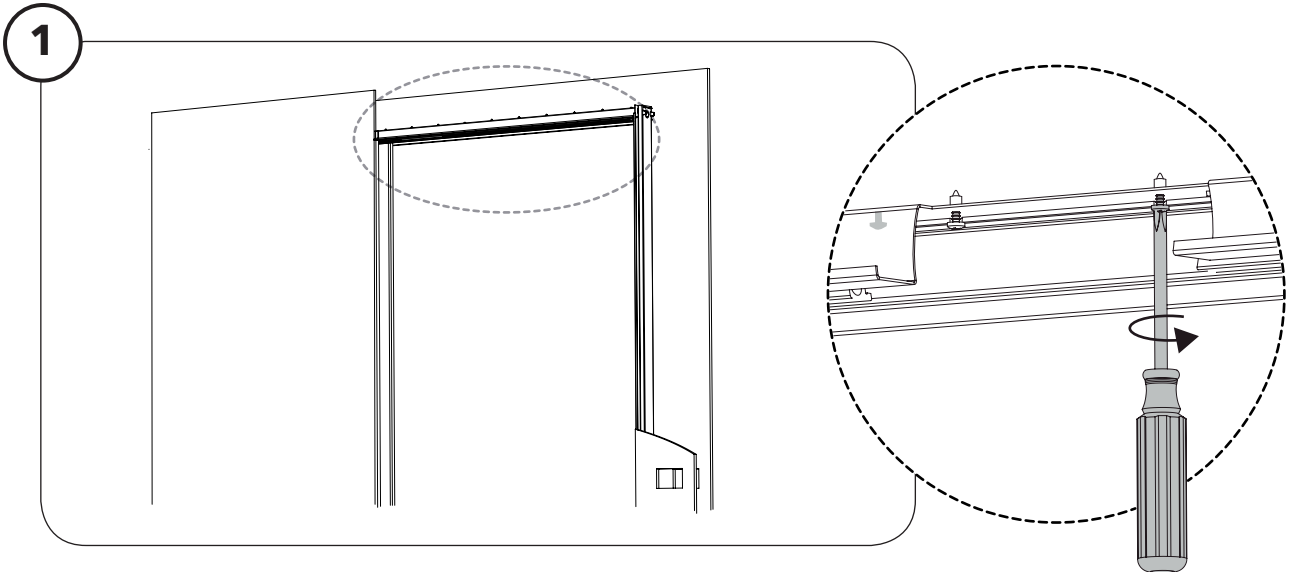
### 4.4 INSTALLATION PHASES

Usually these are the installation phases:

<b>0.</b>	<b>GUIDE DISASSEMBLY</b> .....	<b>12</b>
<b>1.</b>	<b>E-MOTION AUTOMATIC GUIDE DESCRIPTION</b> .....	<b>14</b>
<b>2.</b>	<b>COVER DISASSEMBLY</b> .....	<b>16</b>
<b>3.</b>	<b>GUIDE INSTALLATION IN THE POCKET SYSTEM</b> .....	<b>17</b>
<b>4.</b>	<b>ELECTRONIC COMPONENTS</b> .....	<b>19</b>
<b>5.</b>	<b>ACCESSORIES TEST AND CONNECTION</b> .....	<b>20</b>
<b>6.</b>	<b>FUNCTIONING TEST</b> .....	<b>22</b>
<b>7.</b>	<b>COVER ASSEMBLY</b> .....	<b>23</b>
<b>8.a</b>	<b>WOODEN DOOR INSTALLATION</b> .....	<b>24</b>
<b>8.b</b>	<b>GLASS DOOR INSTALLATION</b> .....	<b>27</b>
<b>9.</b>	<b>COMMISSIONING ON</b> .....	<b>30</b>

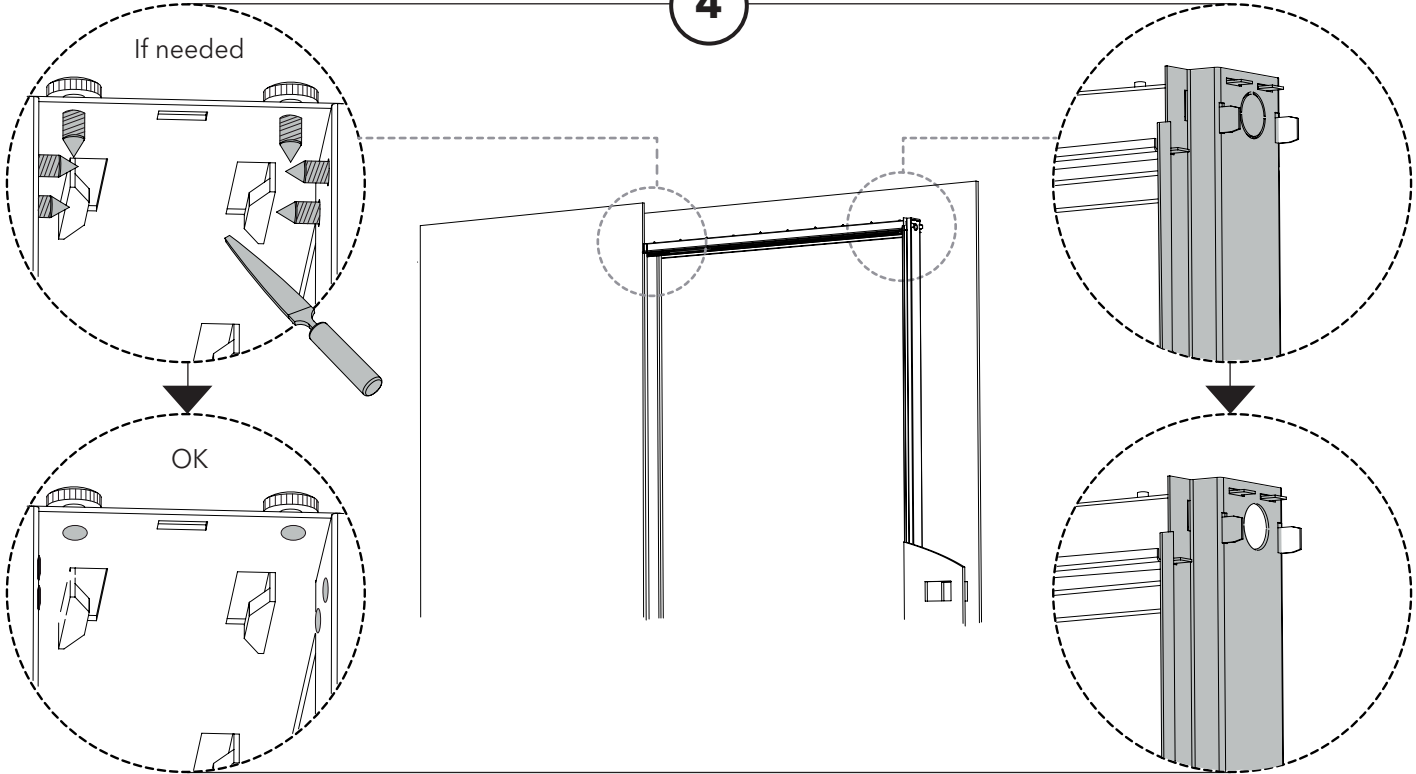
Here follow the visual instructions of each and every phase.

## 0. GUIDE DISASSEMBLY

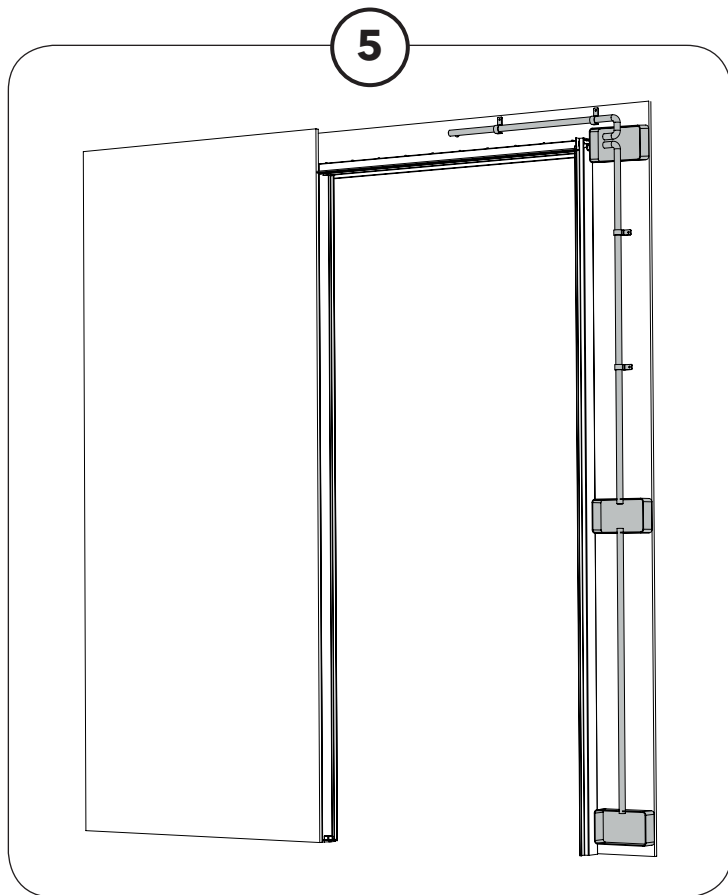


## 0. GUIDE DISASSEMBLY

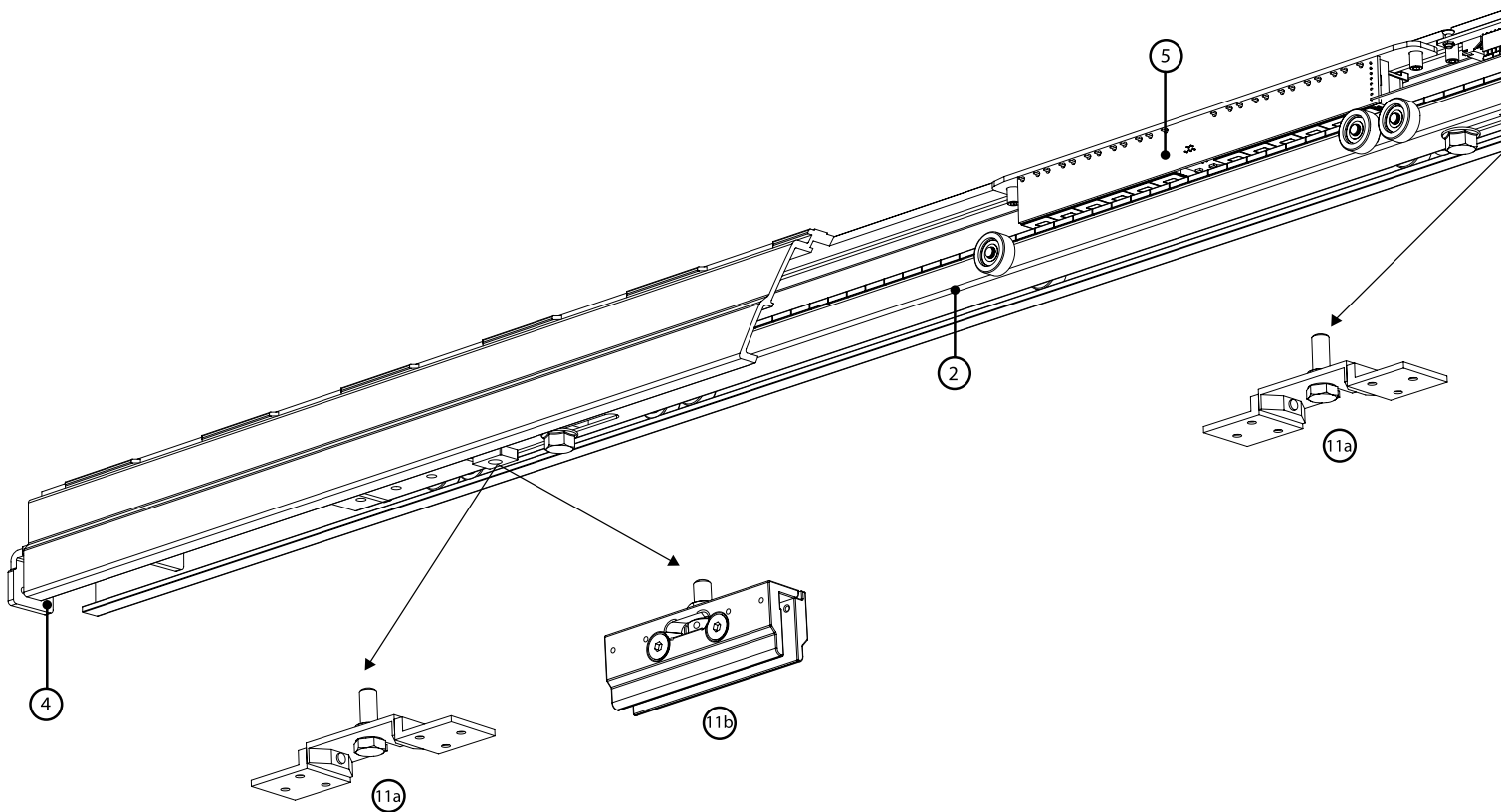
**4**



**5**

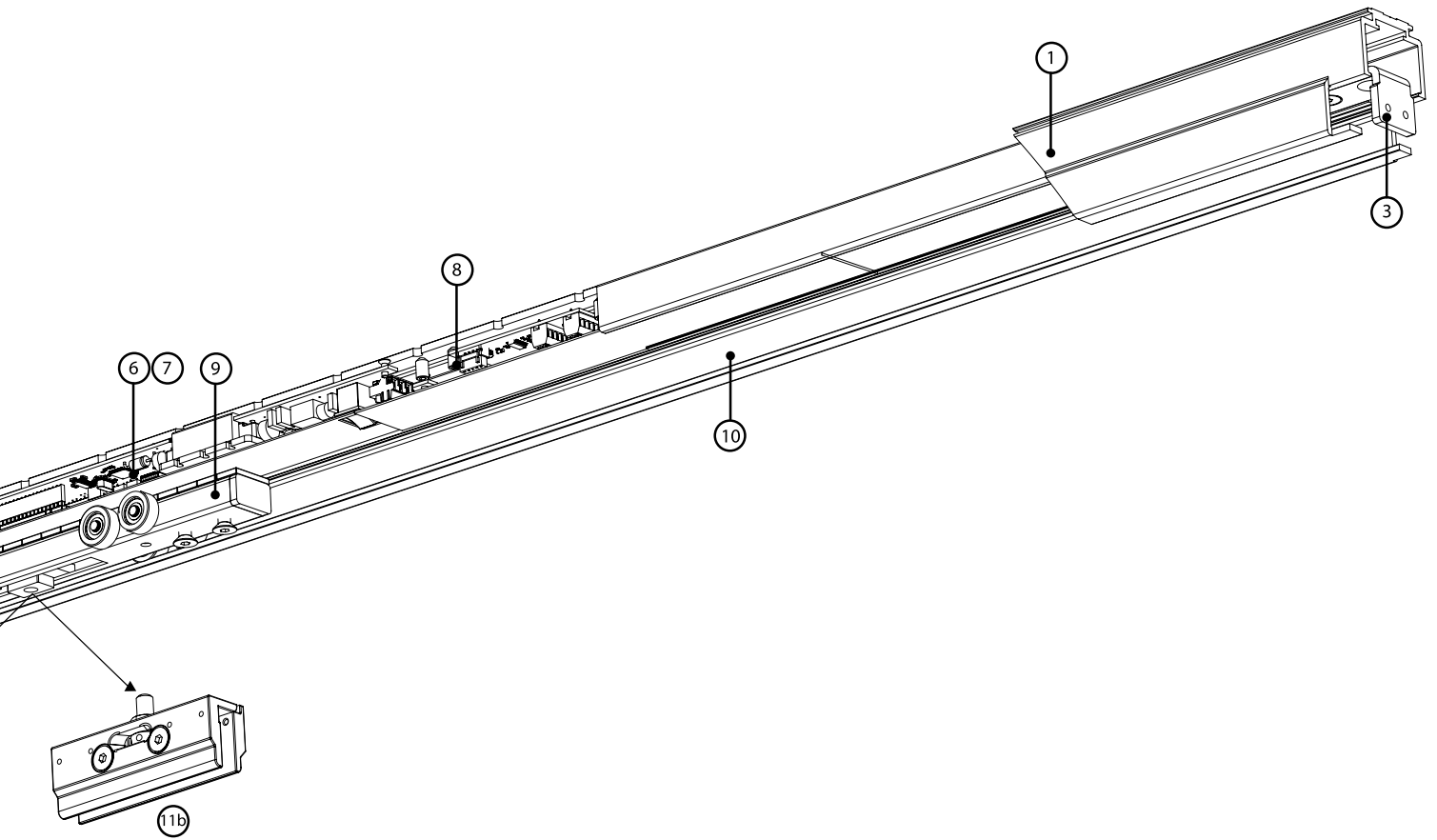


## 1. E-MOTION AUTOMATIC GUIDE DESCRIPTION

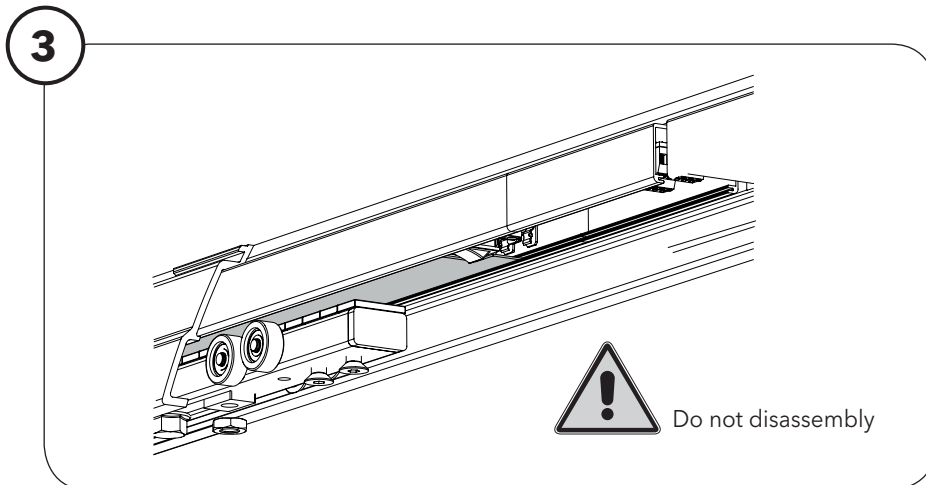
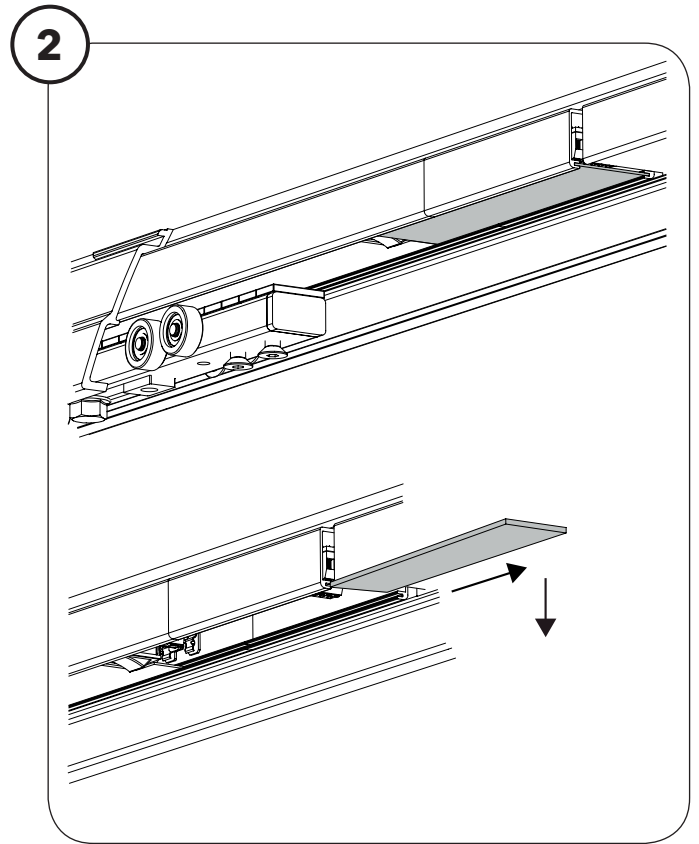
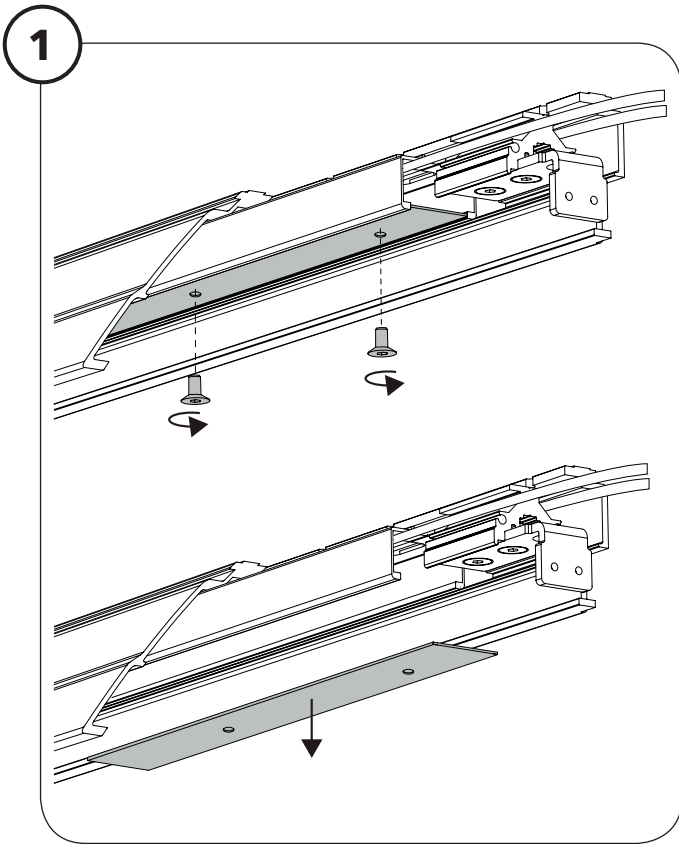
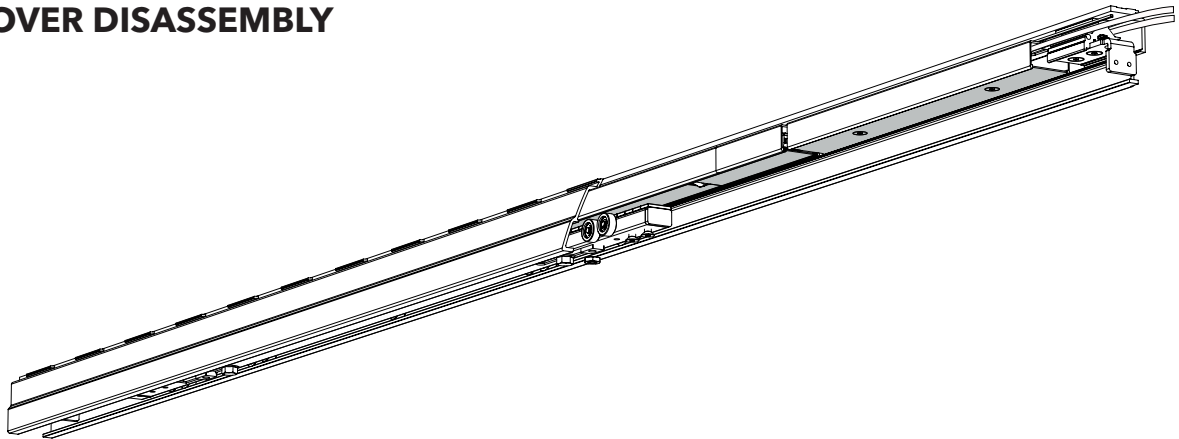


- 1 Principal profile
- 2 Hung-door track
- 3 Stop - closing
- 4 Stop - opening
- 5 Linear motor 225x18x26 4P
- 6 Control electronic

- 7 Power electronic
- 8 Accessories electronic
- 9 Permanent magnets' array
- 10 Lower cover
- 11a Wooden door adjustable suspension
- 11b Glass door adjustable suspension

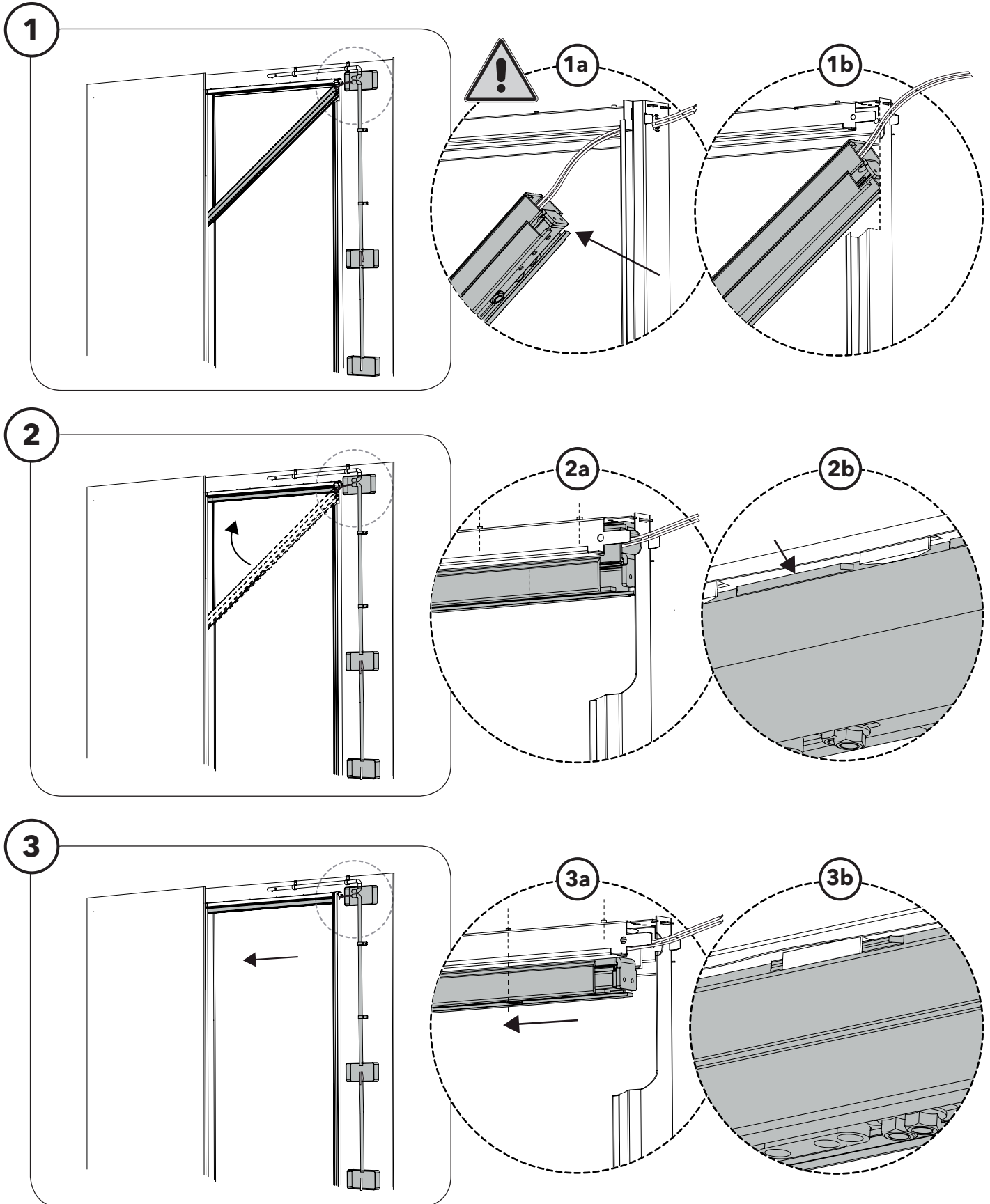


## 2. COVER DISASSEMBLY

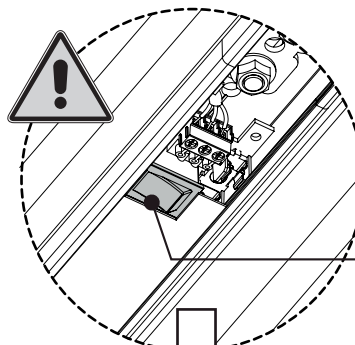
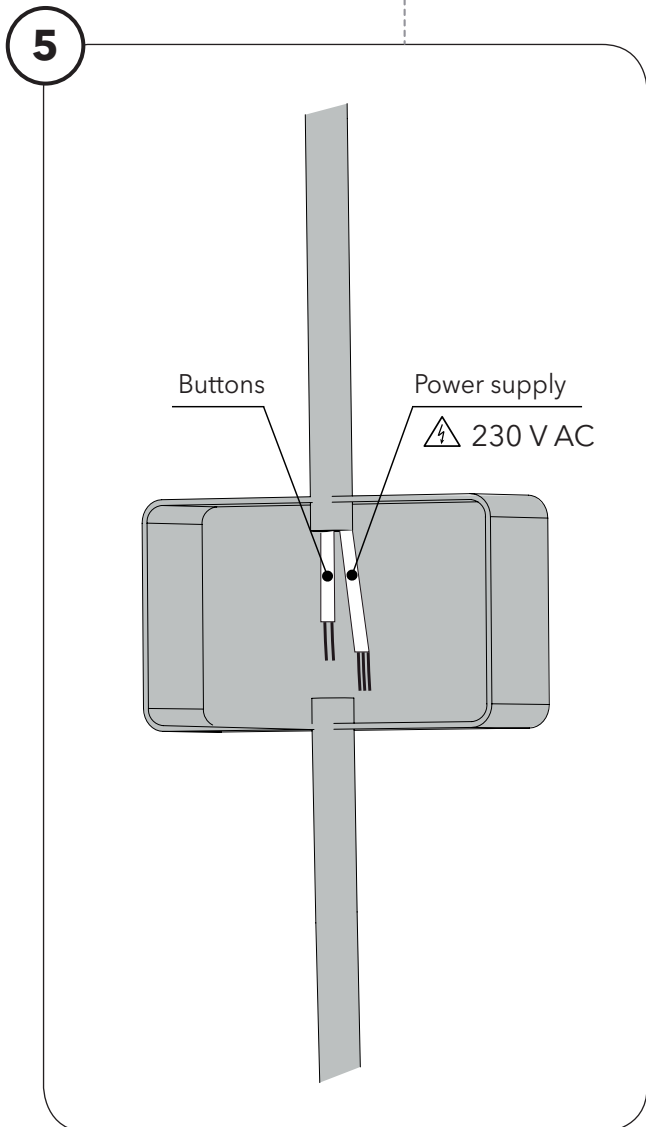
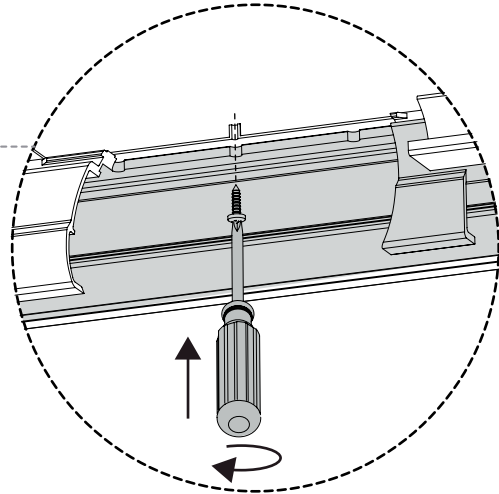
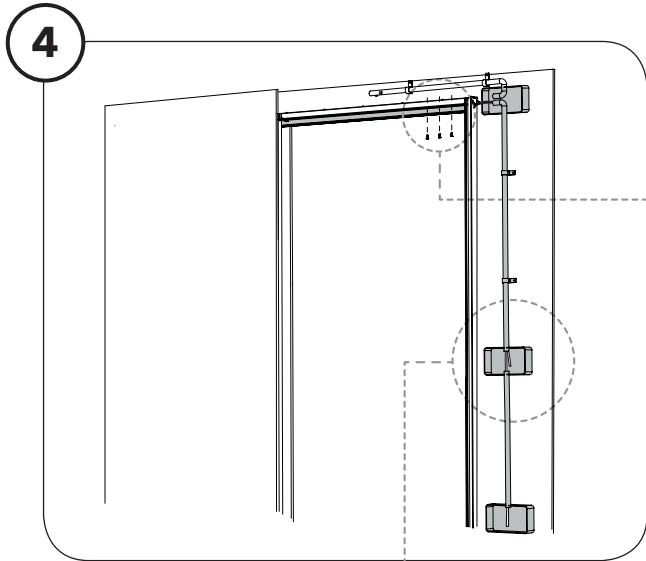




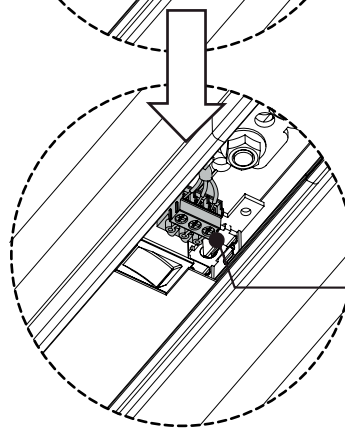
### 3. GUIDE INSTALLATION IN THE POCKET SYSTEM



### 3. GUIDE INSTALLATION IN THE POCKET SYSTEM

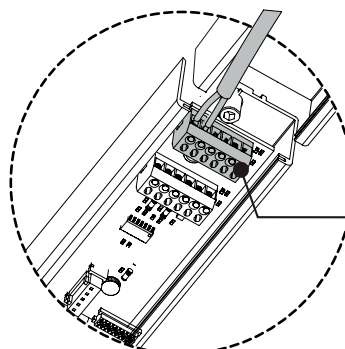


OFF



#### Power supply

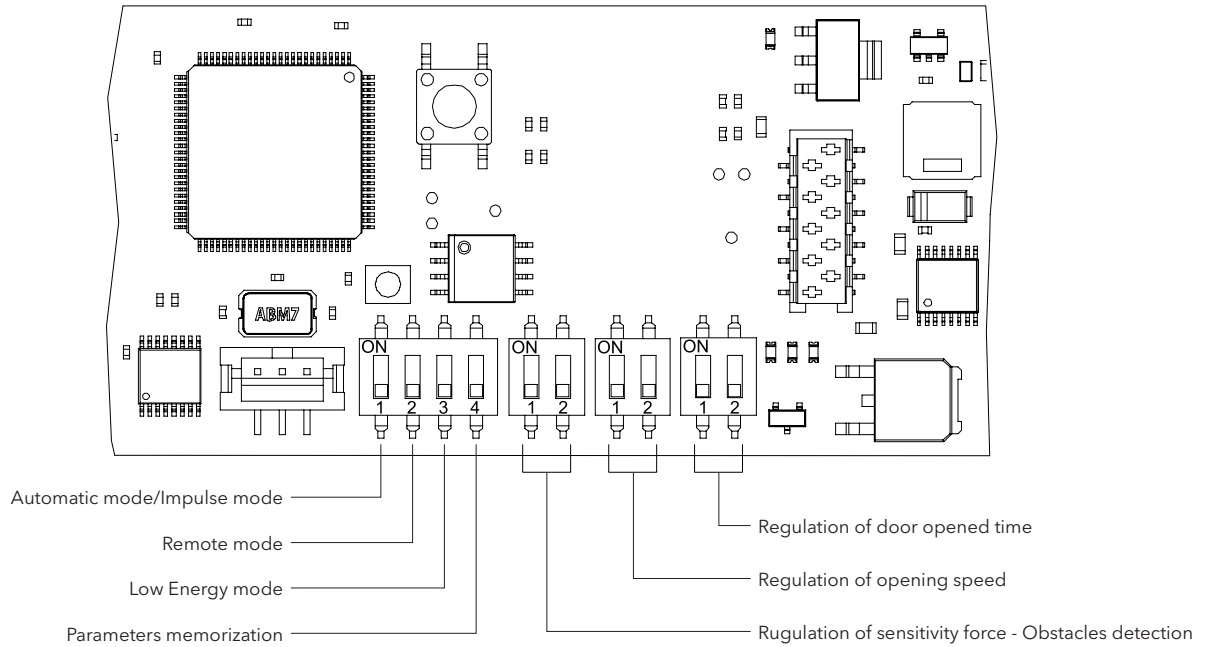
⊥	Green-Yellow	EARTH
N	Blue	NEUTER
L	Brown	PHASE



#### Buttons

A2	Red	
A1	Black	
C2		
C1		
OV		
V+		

## 4. ELECTRONIC COMPONENTS



Operating modes		Switches				Operating modes	To confirm the change
		1	2	3	4		
Switch 1	OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Automatic	Automatic
	ON	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Impulse	Automatic
Switch 2	OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	without Remote Control	Automatic
	ON	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	with Remote Control	Automatic
Switch 3	OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Low Energy disabled	Automatic
	ON	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Low Energy enabled	Automatic
Switch 4	OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Self-setting	Automatic
	ON	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Parameters memorization	Automatic

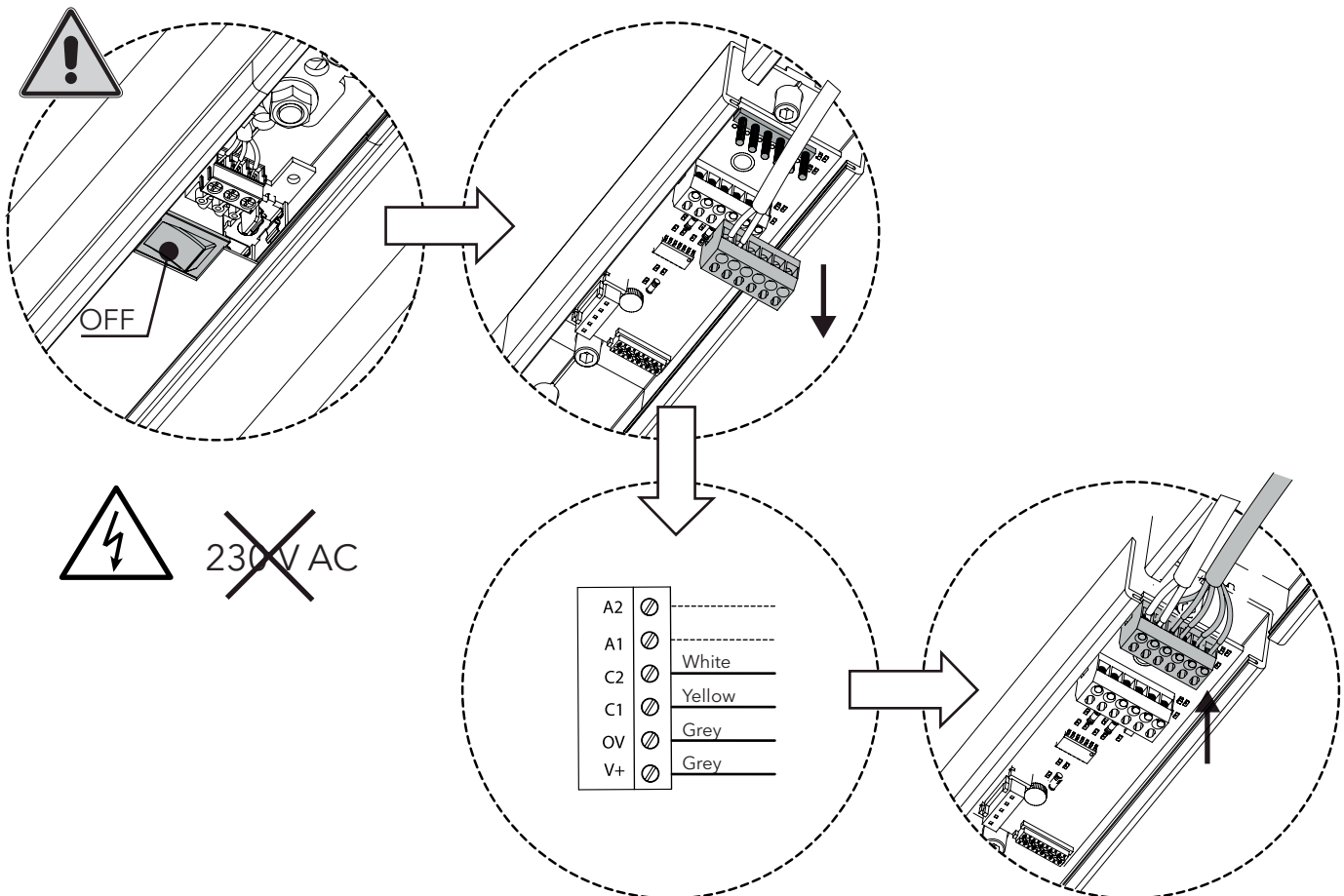
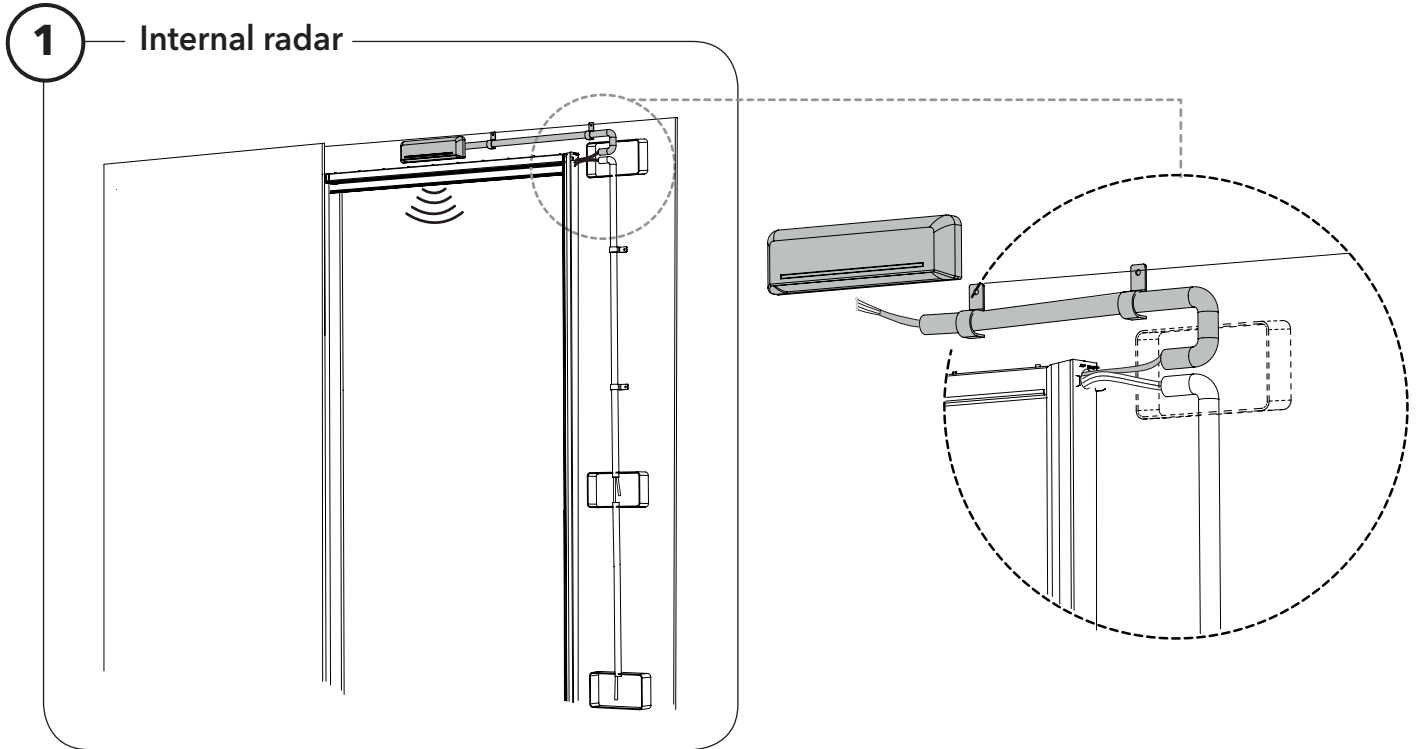
Regulation of sensitivity force Obstacles detection	Switch 1		Switch 2	Regulation of sensitivity force Obstacles detection	To confirm the change	
	OFF	<input type="checkbox"/>	<input type="checkbox"/>	OFF	high	Automatic
	ON	<input checked="" type="checkbox"/>	<input type="checkbox"/>	OFF	Medium high	Automatic
	OFF	<input type="checkbox"/>	<input type="checkbox"/>	ON	Medium low	Automatic
	ON	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ON	Low	Automatic

Regulation of opening speed	Switch 1		Switch 2	Regulation of opening speed	To confirm the change	
	OFF	<input type="checkbox"/>	<input type="checkbox"/>	OFF	Low	Automatic
	ON	<input checked="" type="checkbox"/>	<input type="checkbox"/>	OFF	Medium low	Automatic
	OFF	<input type="checkbox"/>	<input type="checkbox"/>	ON	Medium high	Automatic
	ON	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ON	high	Automatic

Regulation of door opened time	Switch 1		Switch 2	Regulation of door opened time	To confirm the change	
	OFF	<input type="checkbox"/>	<input type="checkbox"/>	OFF	2,5 Seconds	Automatic
	ON	<input checked="" type="checkbox"/>	<input type="checkbox"/>	OFF	5 Seconds	Automatic
	OFF	<input type="checkbox"/>	<input type="checkbox"/>	ON	10 Seconds	Automatic
	ON	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ON	20 Seconds	Automatic

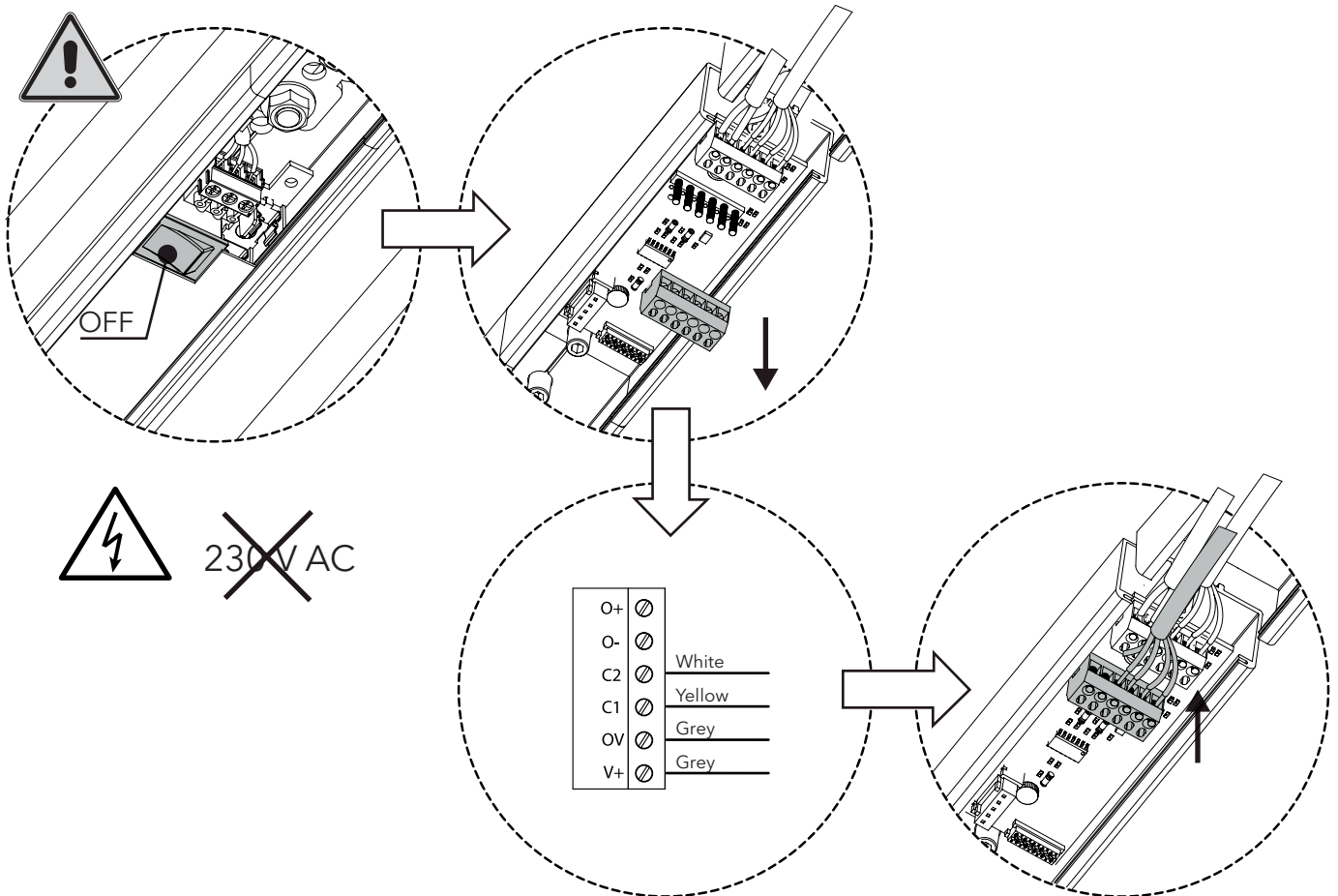
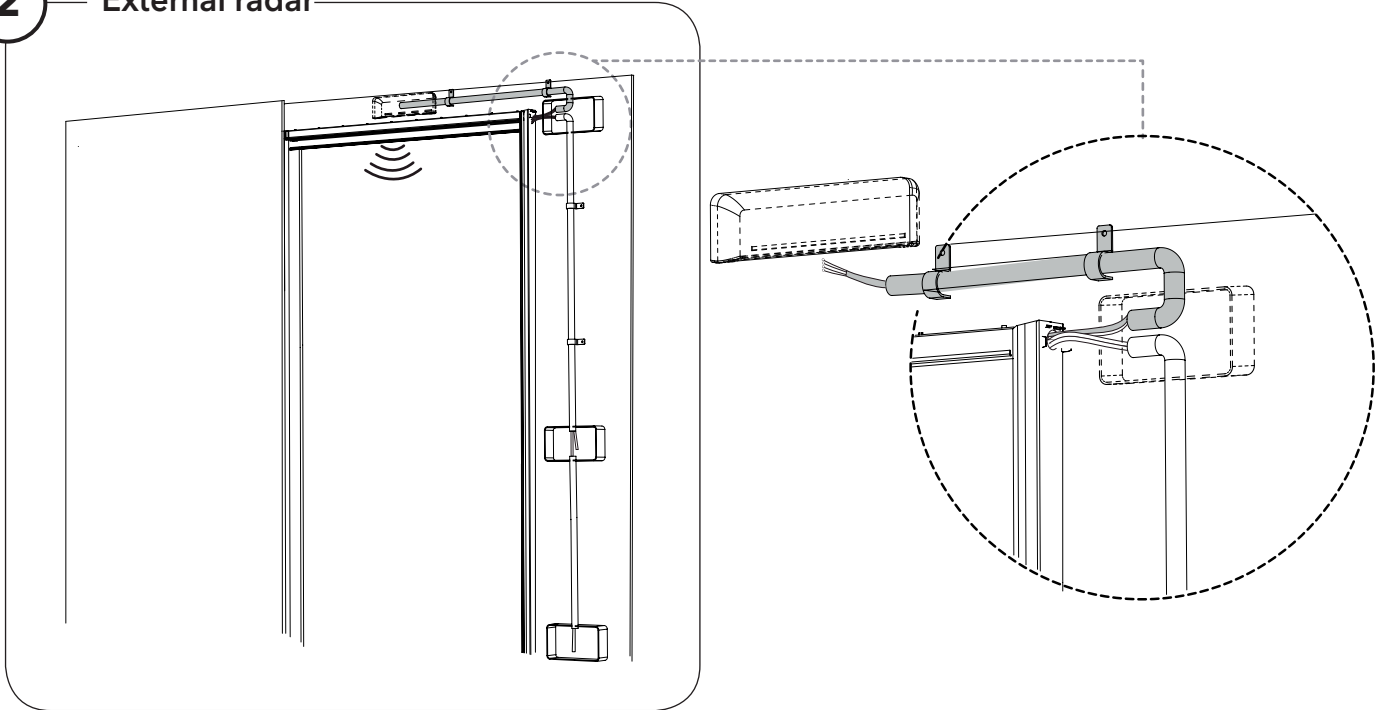
**ATTENTION:** once the installation is complete, run 10 cycles and set switch 4 to ON

## 5. ACCESSORIES TEST AND CONNECTION



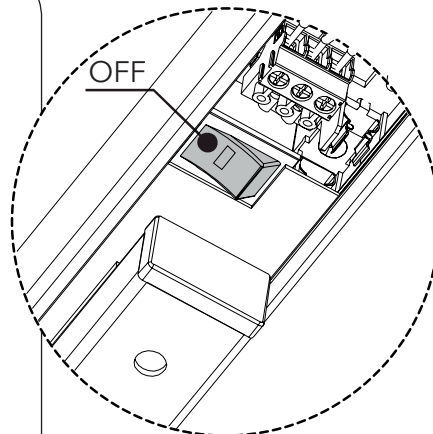
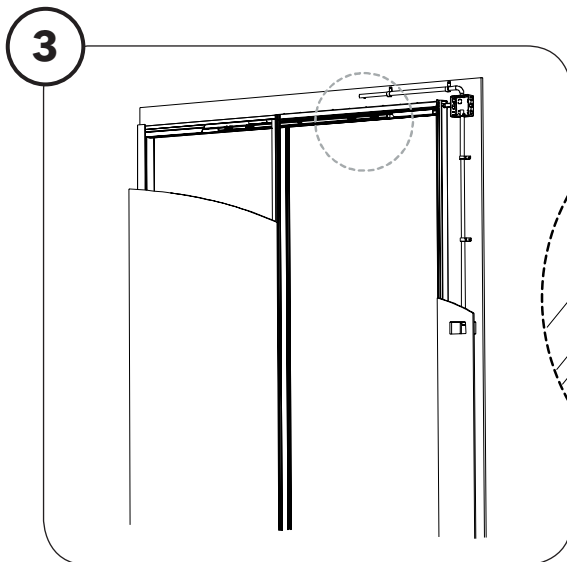
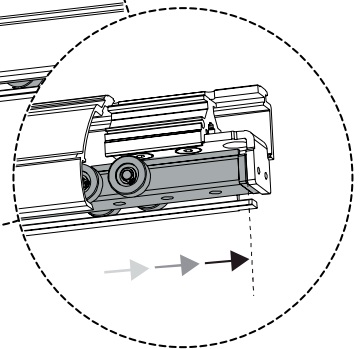
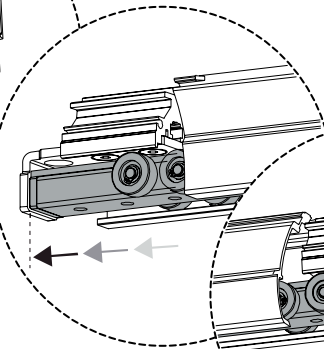
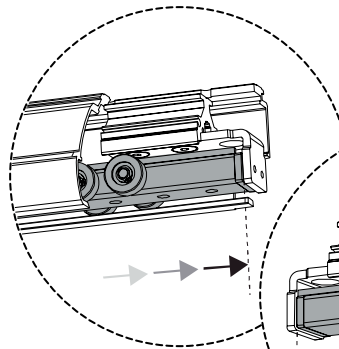
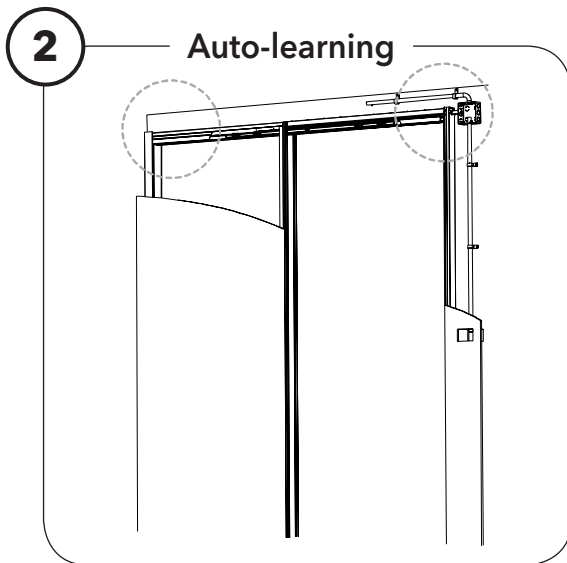
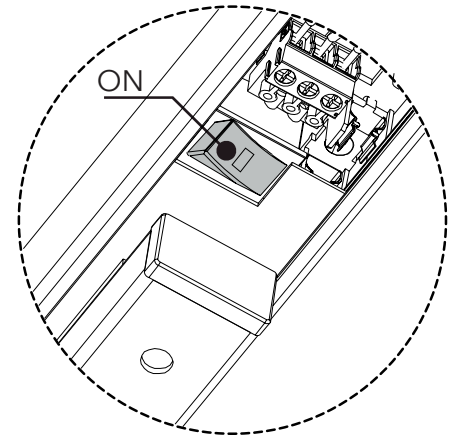
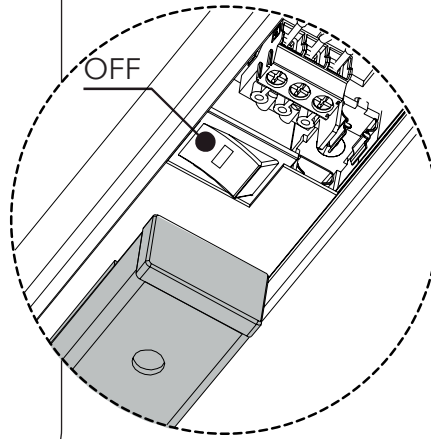
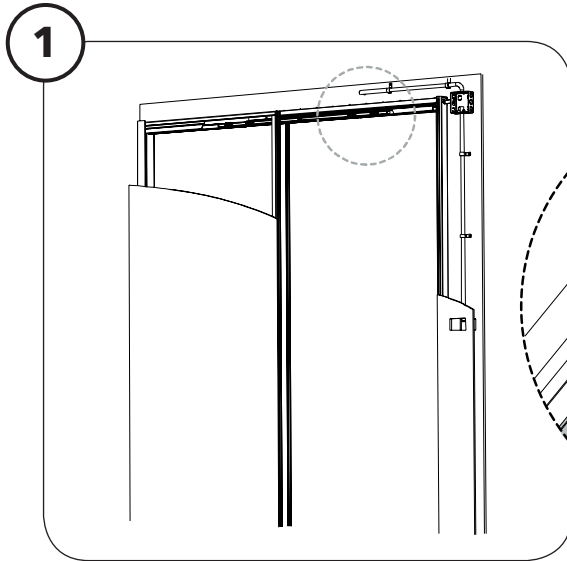
## 5. ACCESSORIES TEST AND CONNECTION

### 2 External radar

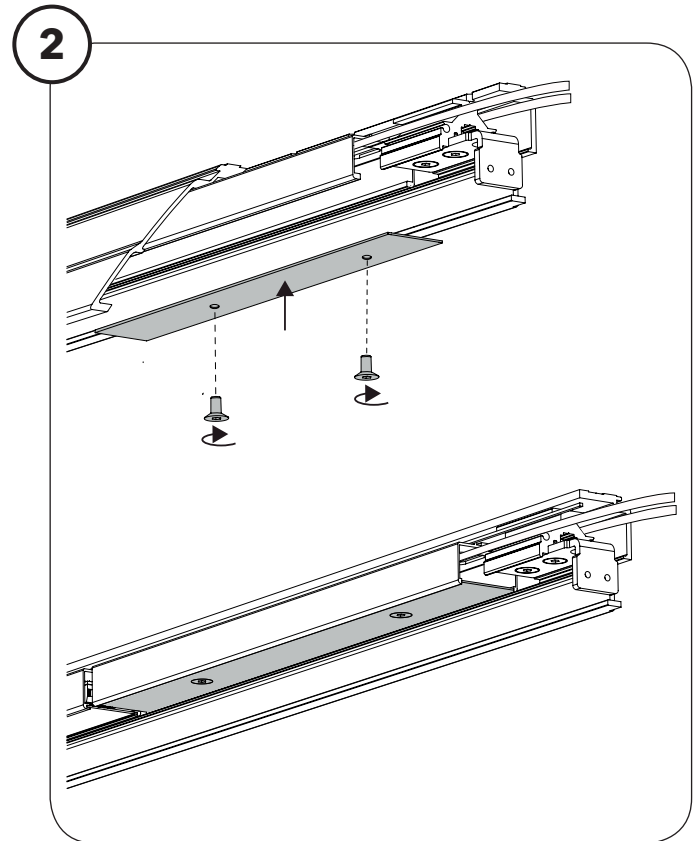
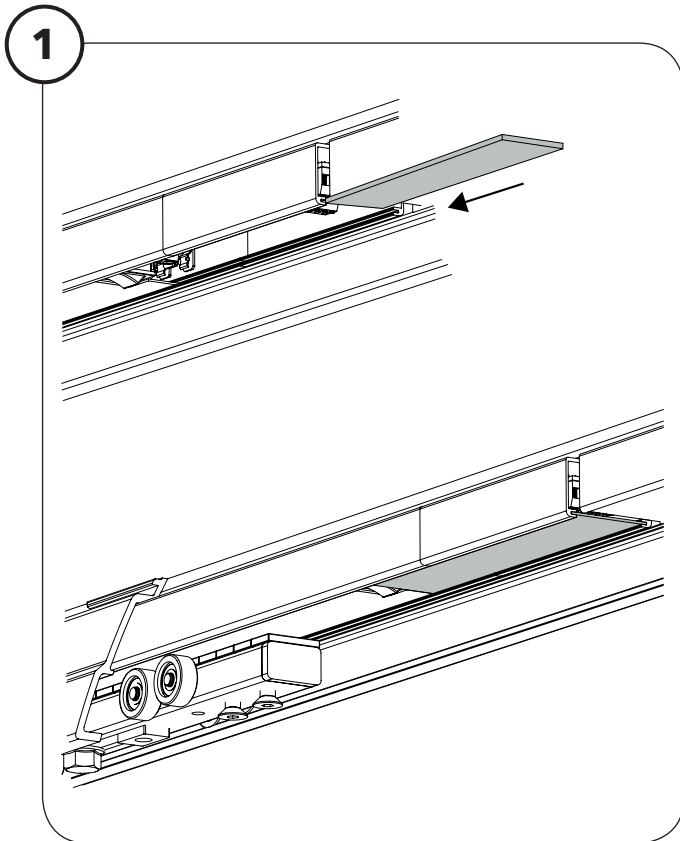
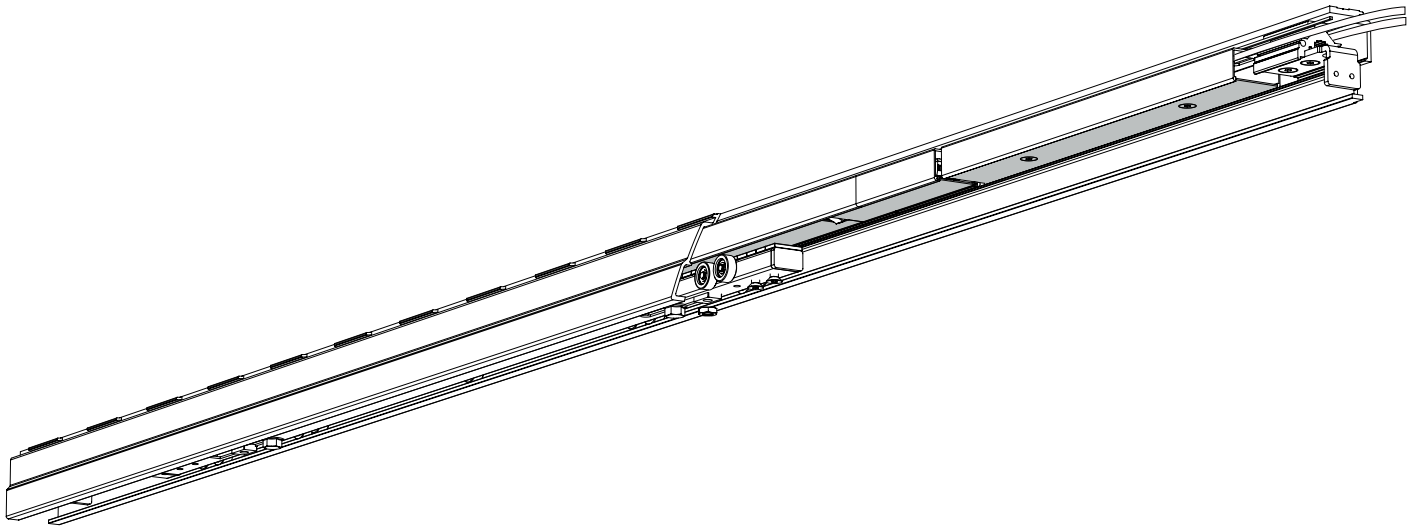


## 6. FUNCTIONING TEST

**ADVICE:** It is recommended to test the automatic guide without the activation elements (button, radar). In case of successful operation, connect the accessories and make the test again. This method allows to detect a potential malfunction.

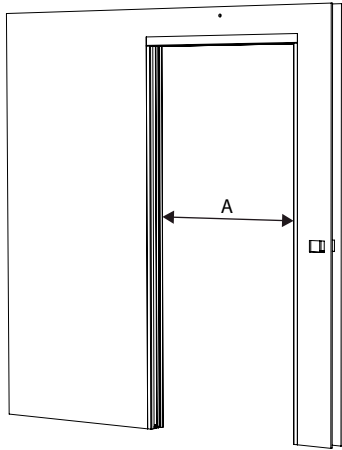


## 7. COVER ASSEMBLY

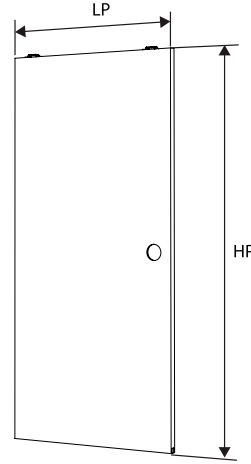


## 8a. WOODEN DOOR INSTALLATION

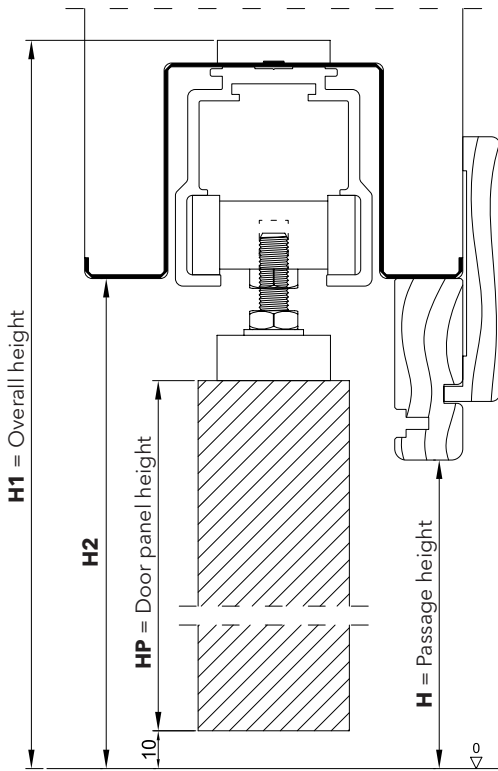
1



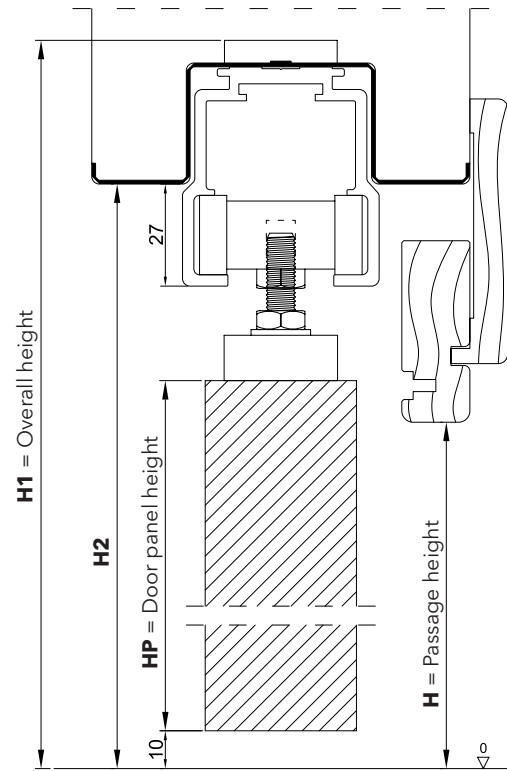
COUNTERFRAME PREPARED FOR E-MOTION



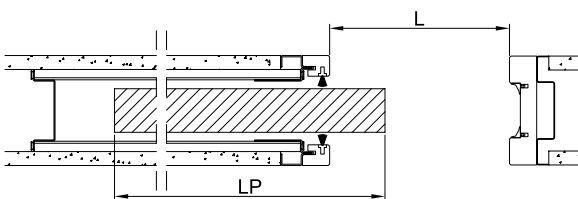
COUNTERFRAME NOT PREPARED FOR E-MOTION



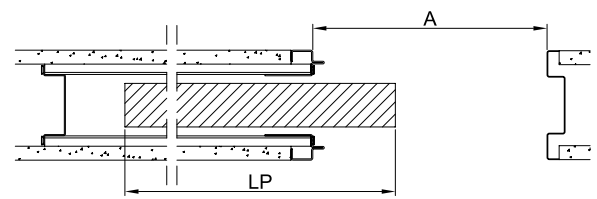
$$HP \text{ Door panel height} = H2 - 37 \text{ mm}$$



$$HP \text{ Door panel height} = H2 - 62 \text{ mm}$$



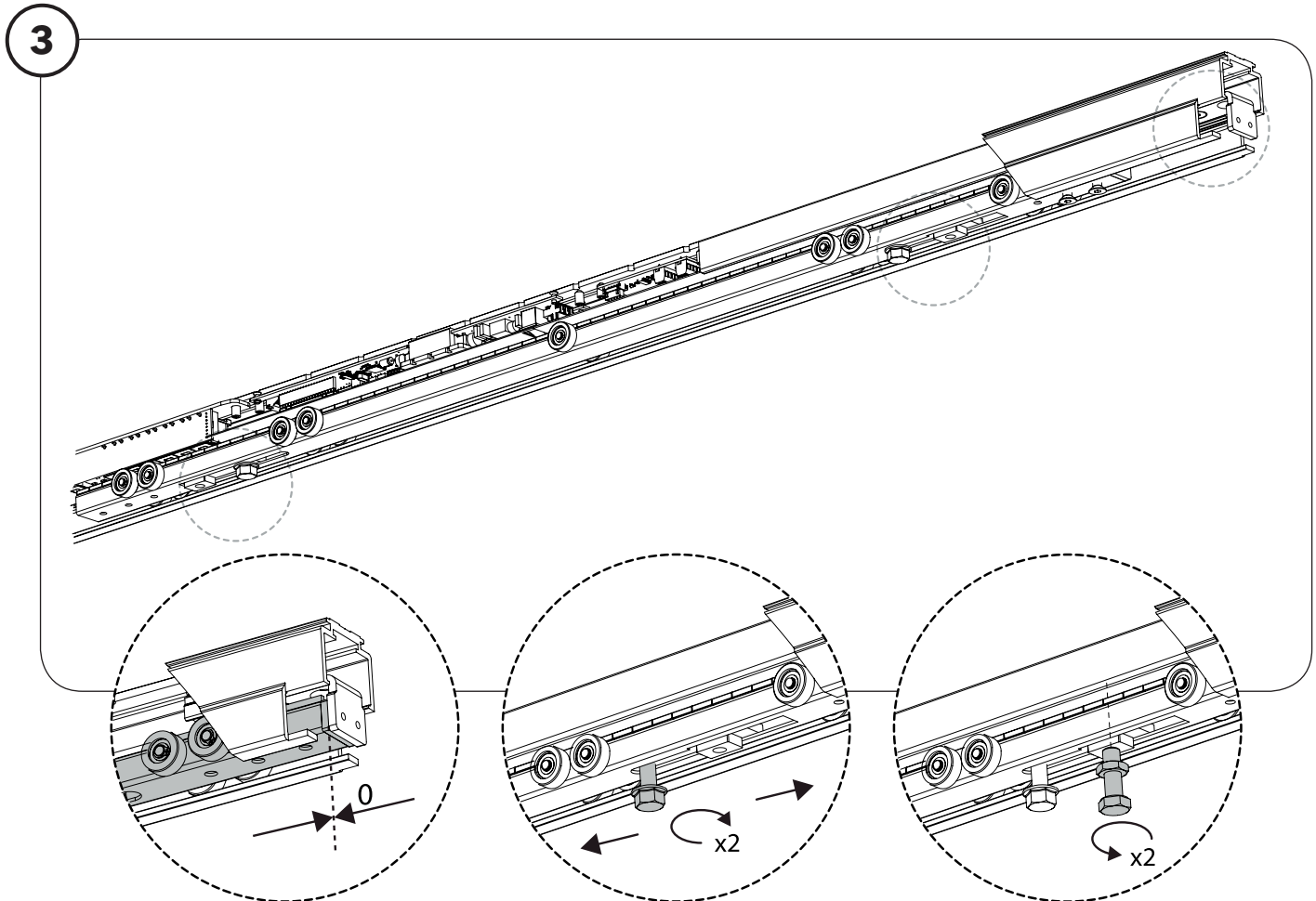
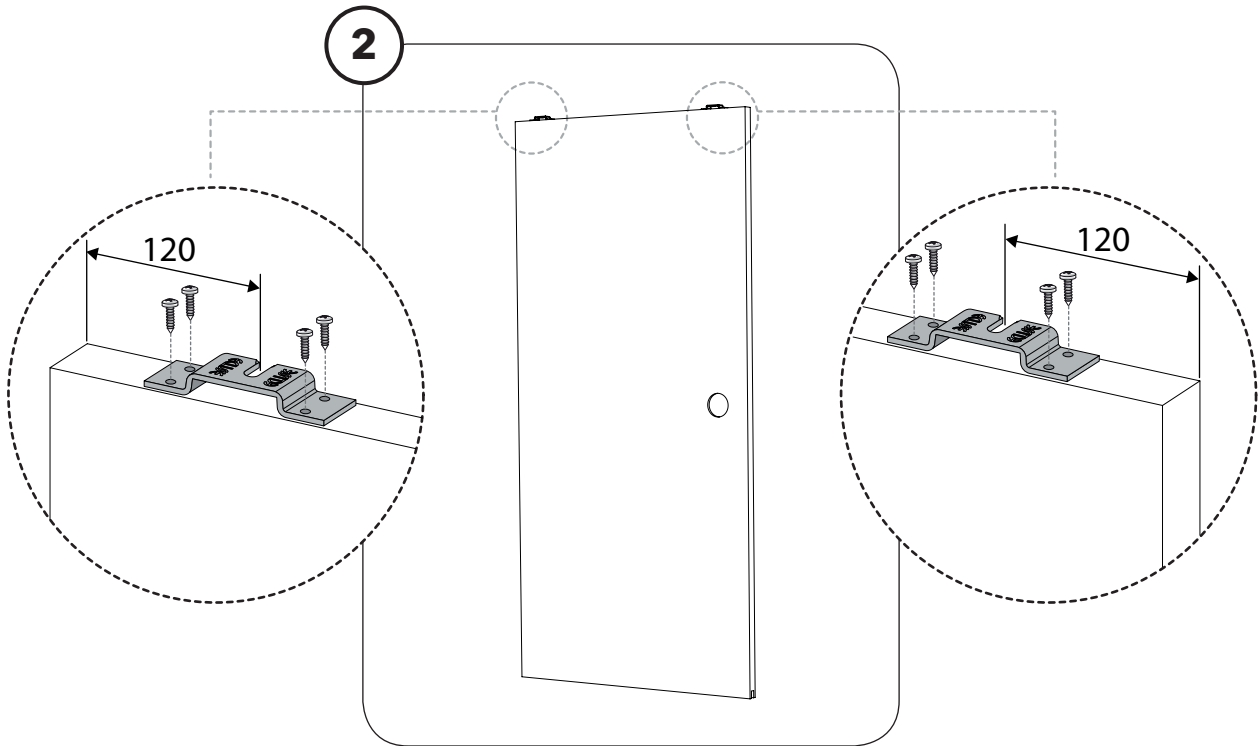
$$LP \text{ Door panel width} = L + 35 \text{ mm}$$



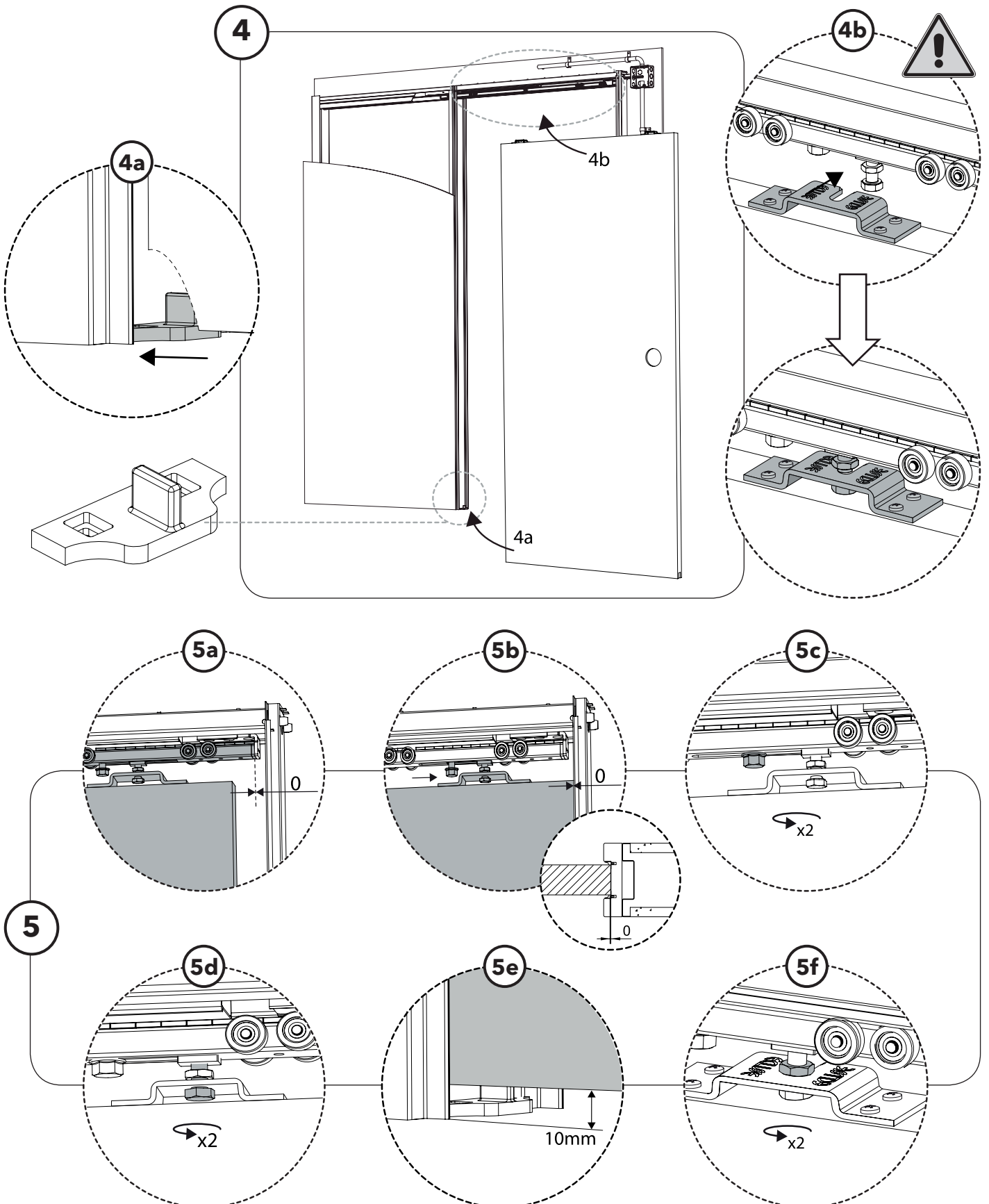
$$LP \text{ Door panel width} = A - 15 \text{ mm}$$



### 8a. WOODEN DOOR INSTALLATION

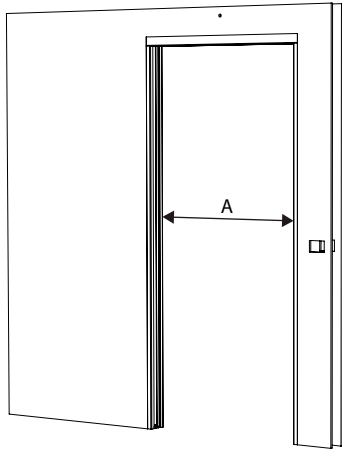


**8a. WOODEN DOOR INSTALLATION**

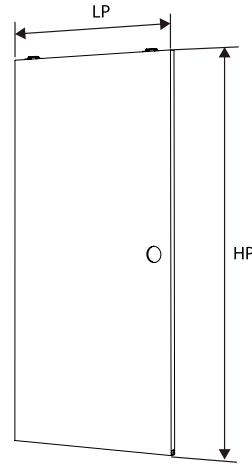


## 8b. GLASS DOOR INSTALLATION

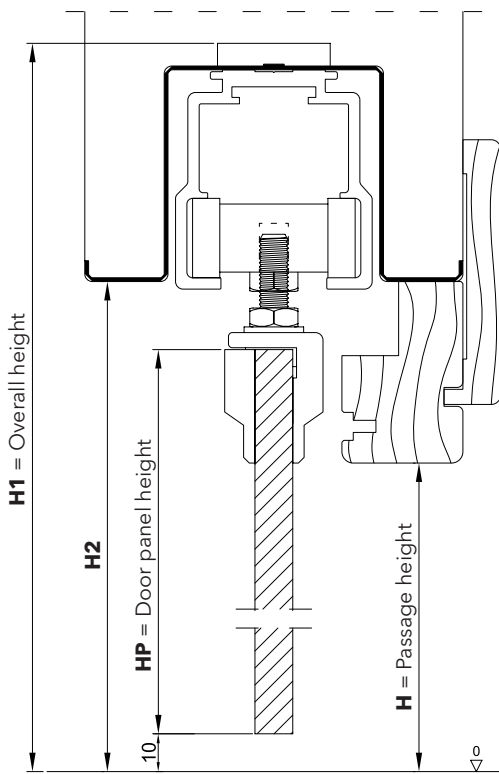
1



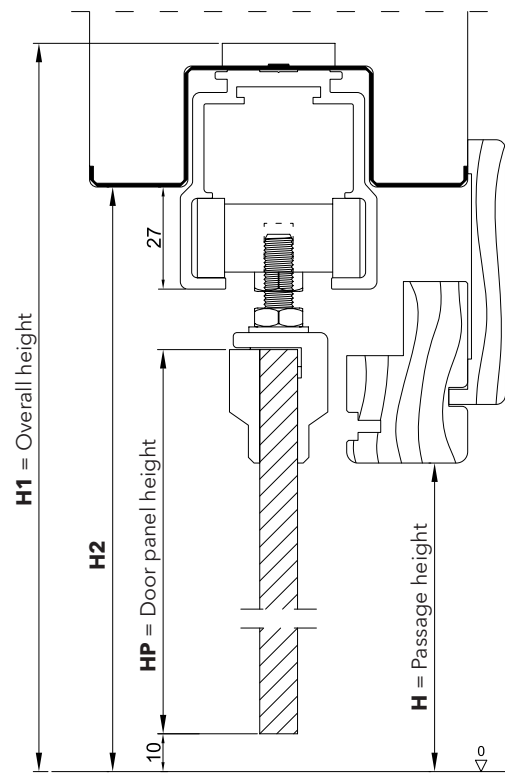
COUNTERFRAME PREPARED FOR E-MOTION



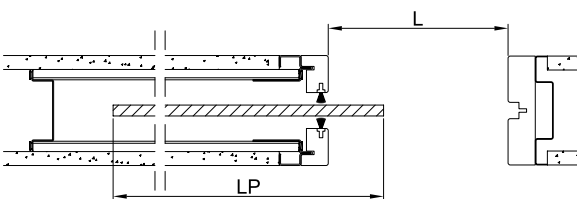
COUNTERFRAME NOT PREPARED FOR E-MOTION



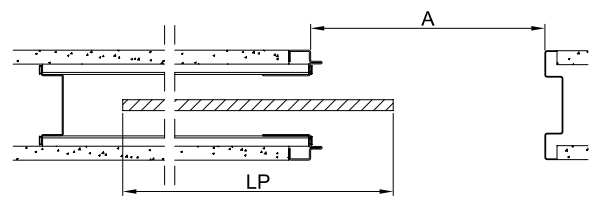
$$HP \text{ Door panel height} = H2 - 28 \text{ mm}$$



$$HP \text{ Door panel height} = H2 - 53 \text{ mm}$$

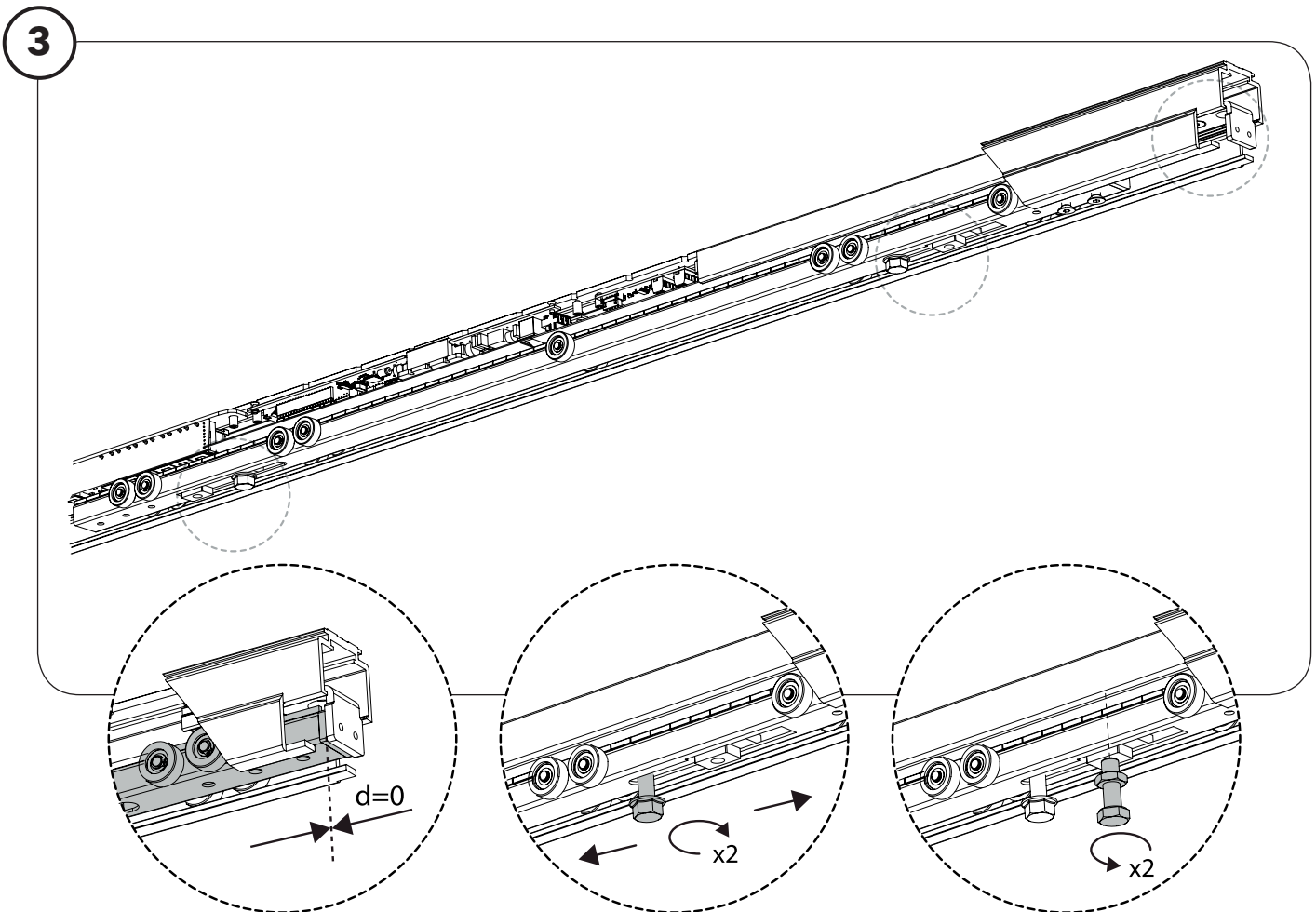
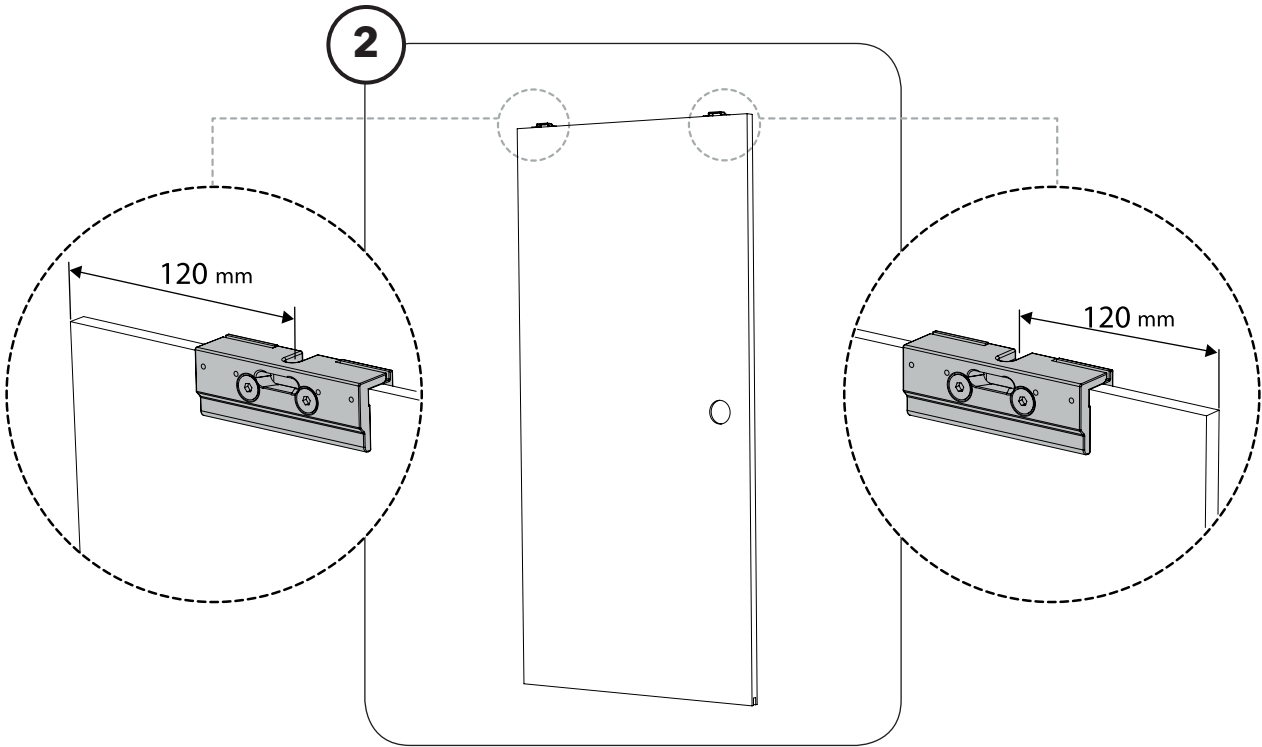


$$LP \text{ Door panel width} = L + 35 \text{ mm}$$

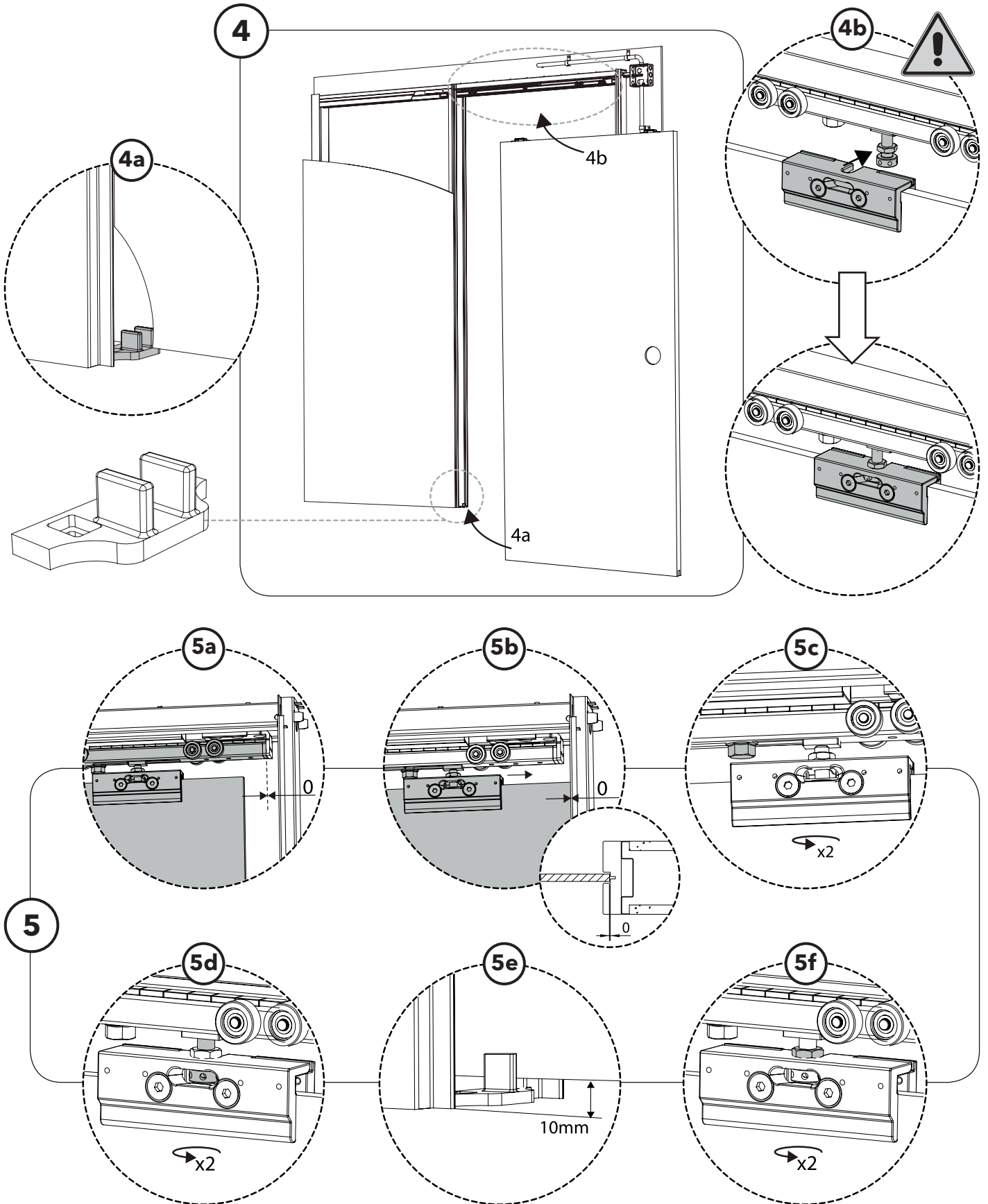


$$LP \text{ Door panel width} = A - 15 \text{ mm}$$

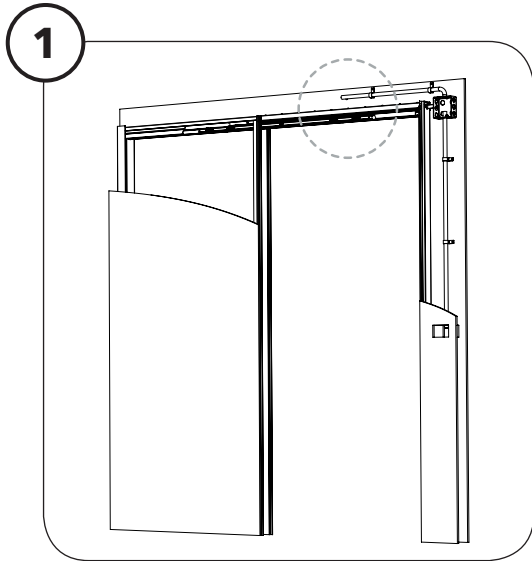
### 8b. GLASS DOOR INSTALLATION



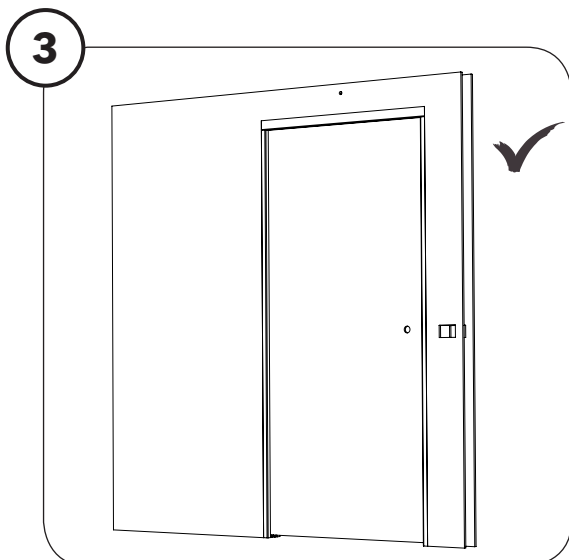
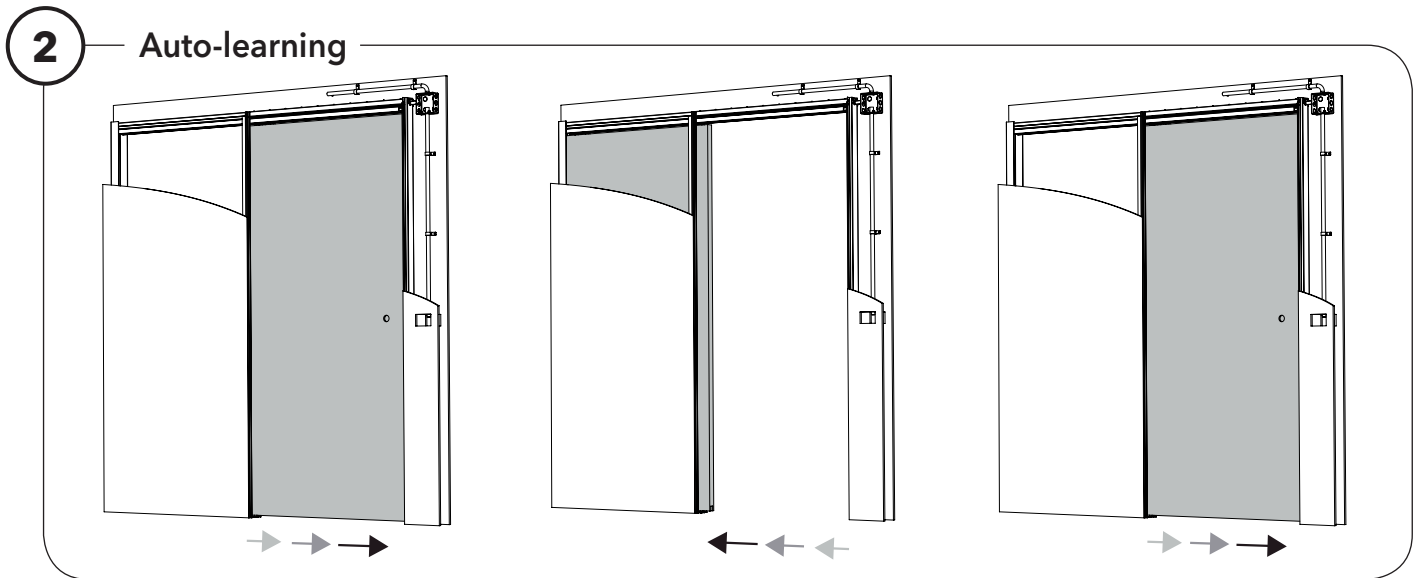
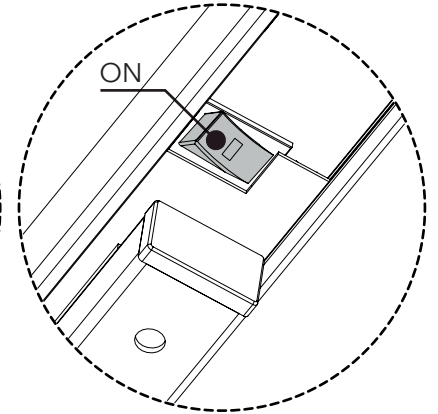
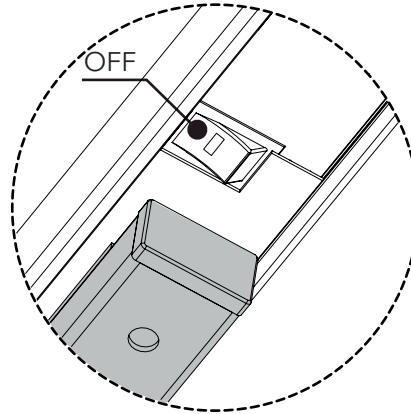
### 8b. GLASS DOOR INSTALLATION



### 9. COMMISSIONING ON



 230 V AC



## 5. PART II. USE AND MAINTENANCE MANUAL

### 5.1 DETAILS

This part of the manual is dedicated ONLY to the final user.

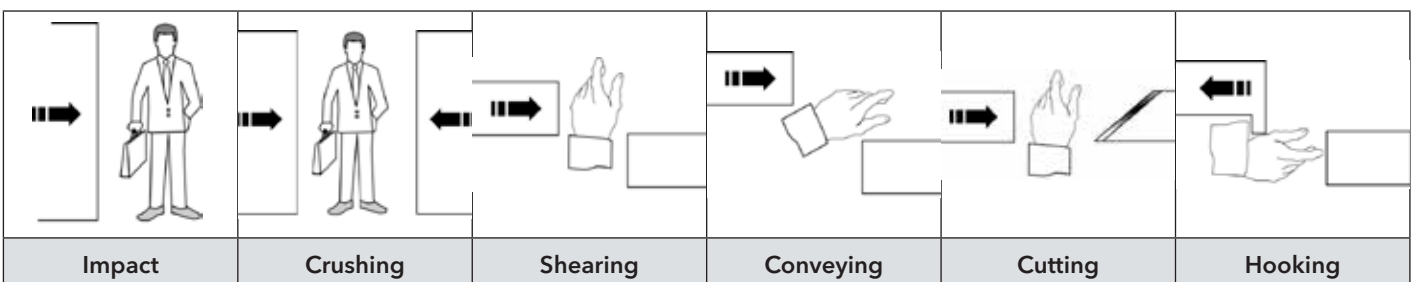
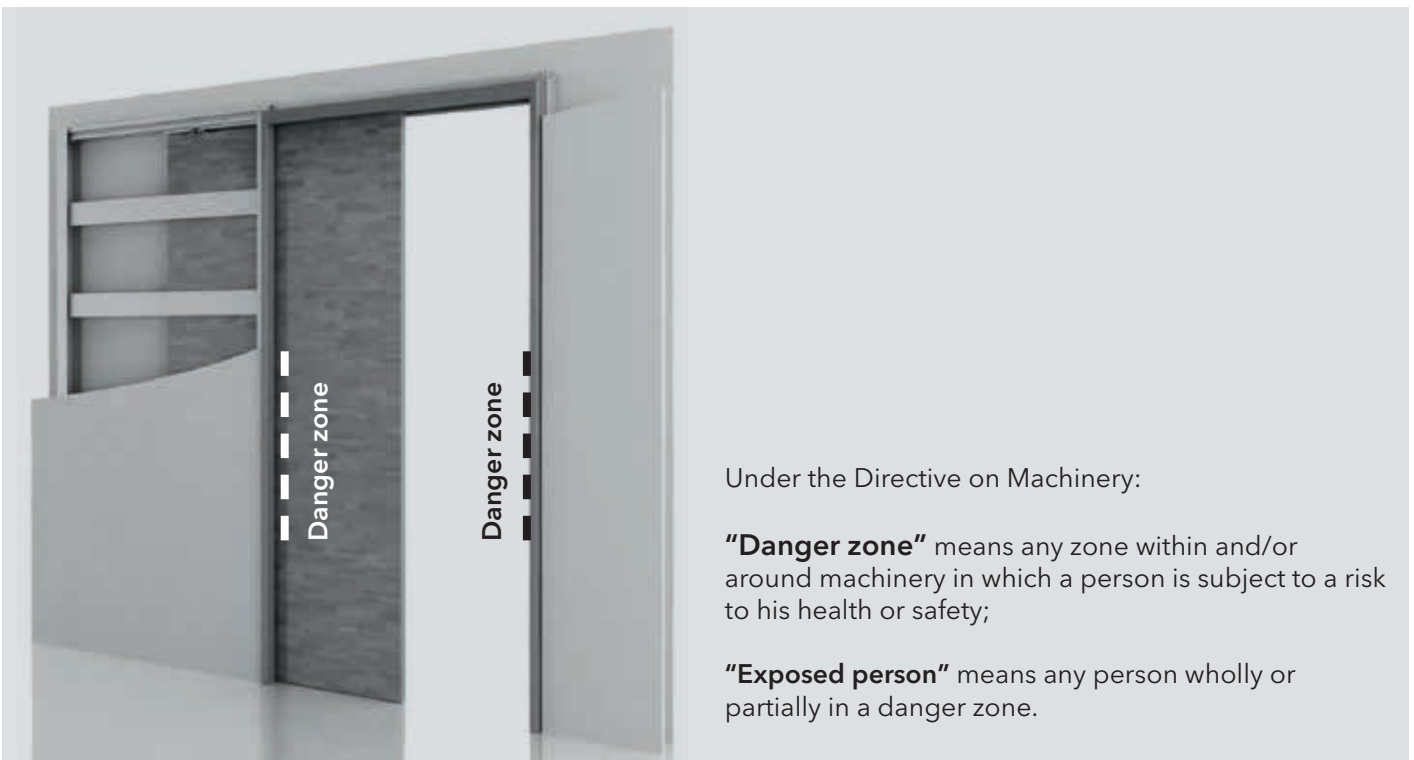


Maintenance operations that are not described in this part of the manual must be executed ONLY by qualified and competent technical staff with technical instruments provided of by the law in force in the installation country.

### 5.2 RISK ANALISYS

#### 5.2.1 DETAILS

Sliding door risk zones (see photo)



## 5. 2. 2 RESIDUAL RISKS



Even if E-MOTION automatic guide has been designed and developed in order to have a safe functioning and even if all necessary protection measures has been taken, some residual risks may persist.

Automatic doors include crushing, cut and bruise risks. Depending on structural conditions, door version and safety measures, these risks may not be completely eliminated.

According to law prEN 16005 the area where an automatic sliding must always be protected in order to avoid, when it's possible, an impact with people. In order to eliminate these risks E-MOTION automatic guide takes these measures:

- Possible use of safety sensors, which detect the movement and presence of people and objects in the main closing edge.
- Mode "Low Energy". Depending on the door weight, the guide's speed while closing reduced to a prearranged value. This way the door's dynamic energy and the impact force are inferior to the values established by the Directive.
- In order to assure a high security level, most of all in installation where risk groups request it, E-MOTION automatic guide allows the simultaneous use of both previous solutions.

The qualified technical staff must verify the correct installation, connection, regulation and functioning of security sensors and/or Low Energy system, as expected from the law.



## 5.3 USE INSTRUCTIONS

### 5.3.1 CORRECT FUNCTIONING METHODS

E-MOTION automatic guide comes complete with all electronic driving and control elements of the motor, such as the cable/radio signal receiver and controller.

It includes the following characteristics:

#### ❖ **Plug & Play**

E-MOTION is provided assembled and ready to be installed. You just need to connect the guide to the AC 230V power supply and push the "ON" button to set it going.

#### ❖ **Self Setting**

E-MOTION has an electronic device that begins, at the first start, a Self-learning process composed of a complete cycle low speed. This process detects automatically the total course and the door weight parameters.

The values memorized by the electronic device automatically determine the open-close cycle of the door (speed and acceleration).

#### ❖ **Adjustable**

Once the self-learning process is over, the qualified installer can make the following regulations:

- Opening speed
- Obstacle detection sensitivity
- How much time you want the door to remain opened (min. 0 sec / max. 20 sec).

### 5.3.2 FUNCTIONING TERMS

E-MOTION automatic guide has been designed to function as follows:

#### 5.3.2.1 BASIC FUNCTIONING:

##### **1. Automatic:**

With an impulse generated by one of the possible activation elements (button-radio control-radar etc.), the door makes a complete opening, remains opened for an adjustable time and starts the closing cycle.

##### **2. Push&Go:**

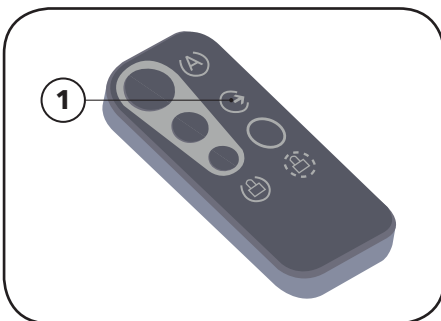
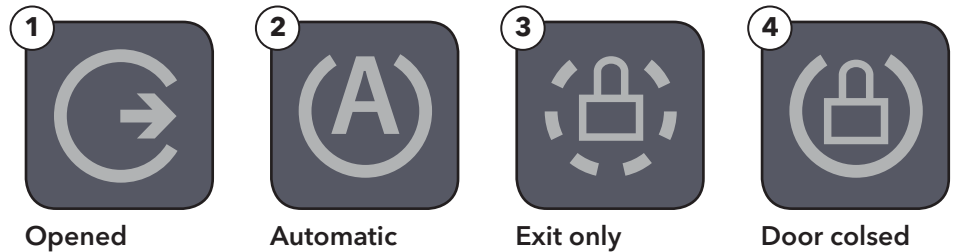
Applying a light manual push on the door (in the opening side), an open-close cycle starts automatically.

##### **3. Impulse mode:**

With an impulse generated by the switch, the door opens itself.

With a second impulse, the door closes itself.

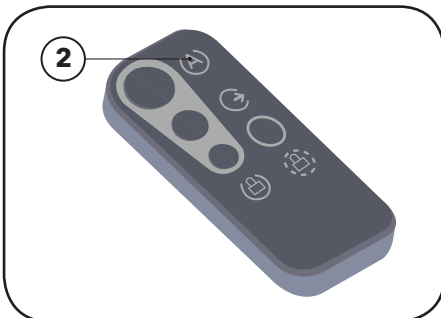
### 5.3.2.2 COMPLETE FUNCTIONING (with Remote Control and Electromechanical Block Optional)



#### 1. Opened:

Keeping the button 1 pushed until the door is completely opened, the door remains opened. This mode allows the door to be opened and closed manually.

"Opened" mode unlocks or cancels mode 3 "Exit only".

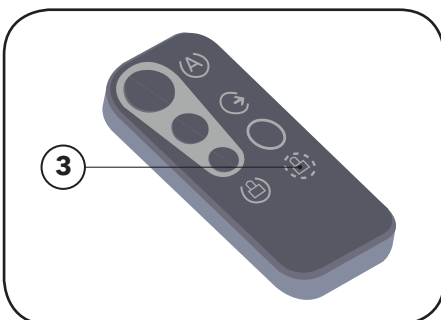


#### 2. Automatic:

Keeping the button 2 pushed the guide is in "Automatic" mode. With an impulse generated by one of the possible activation elements (button-radio control-radar etc.), the door makes a complete opening, remains opened for an adjustable time and starts the closing cycle. "Automatic" mode unlocks or cancels mode 1 "Opened", 3 "Exit only" and 4 "Door closed".

If you press the button "Opened" during the closing process, the door will not open until the first round of opening / closing is ended.

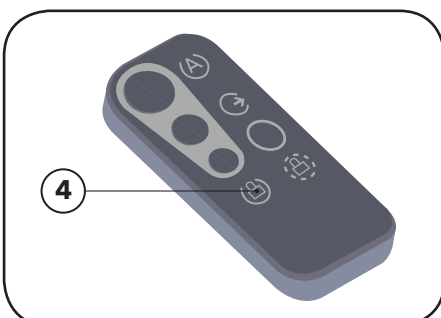
**2. 1. Push&Go:** Applying a light manual push on the door (in the opening side), an open-close cycle starts automatically.



#### 3. Exit only, with Electromechanical Block (Optional)

An electromechanical device automatically blocks the door. The door opens only with activation elements from the inside. Eventual external controls are inhibited.

To unlock push button 2 "Automatic".



#### 4. Closed door, with Electromechanical block (Optional)

Pushing button 4 "Door closed" an electromechanical device automatically blocks the door. It inhibits activation elements installed on the door (block all elements).

To unlock push button 2 "Automatic".

In case of power failure, for your safety, the device stops automatically and the door can be opened manually.

### 5.3.2.3 FUNCTIONING IN CASE OF POWER FAILURE

#### 1. Manual open

In case of power failure E-MOTION automatic guide allows the door to be opened manually just with a push, obtaining a simple opening.

### 5.3.3 USE RESTRICTION

It's useful to show, assist and advise the client on the correct use of internal sliding doors with E-MOTION automatic guide, if they are installed where there are people with physical, sensorial and mental reduced capacities, children and old people.

Do not allow children to play in the door passage, and keep the remote control out of their reach.

## 5.4 MAINTENANCE

The product doesn't need particular periodic maintenance operations. It's necessary, under the § 4.2 of prEN 16005 law, verifying at least once a year the correct functioning of the security devices.

## 5.5 PROBLEMS AND SOLUTIONS

PROBLEM	POSSIBLE CAUSE	SOLUTION
"On / off" button light doesn't switch on.	The automatic guide isn't connected to the power grid (connector, direct terminal box, thermic connection / differential, etc.)	Control the connection and verify the correct voltage, 230V - 50Hz.
	Defective internal connection.	Control the internal connection. <b>IMPORTANT!</b> Carry out these operations with the guide disconnected!
	The fuse is burned.	Verify the fuse with a tester.
	The switch isn't on ON position.	Move the switch on ON position.
The door doesn't move and no light switches on.	The system isn't powered (internal failure).	Contact the technical staff.
The door doesn't move and the lights switch on in start-up sequence.	Defective motor connection.	Contact the technical staff, control internal connections between motor and control card.

## 5.5 PROBLEMS AND SOLUTIONS

PROBLEM	POSSIBLE CAUSE	SOLUTION
The door doesn't move correctly (self-regulation).	The door is too heavy.	Change that door with a lighter one.
	The door installation is not correct (it isn't perpendicular to the floor, the guide produces friction on the floor, the floor is irregular...)	Verify that the door installation is correct.
	Defective motor connection.	Contact the technical staff, control internal connections between motor and control card.
	Control card malfunction (internal error)	Contact the technical staff.
	Irregular sliding functioning (wheel, track, dirt...)	Control the correct sliding moving the door manually.
The door doesn't move correctly (DOOR MODE)	Self-regulation has not been executed correctly.	Repeat self-regulation.
	There is an obstacle.	Remove the obstacle.
	There is no obstacle.	Regulate sensitivity.
Sending a signal by an external device (accessories) the door doesn't open and in the controller card the green light doesn't switches on.	The internal signal is defective.	Verify the connection card and the control card connection. Verify that the guide is on Mode that activates the door with the accessories.
The automatic guide doesn't respond to remote control's signals.	Receiver module RF is not correctly connected.	Control the RF module connection.
	RF module is not inserted.	Insert RF module.
	Defective receiver.	Replace the RF receiver module
	RF module didn't register the remote control.	Register remote control on RF module.
	Remote control doesn't send signal.	Replace the remote control batteries.

## 5.6 FINAL CHECK AND CONFIGURATION

# To be completed by the installer

<input type="checkbox"/> <b>Auto learning</b>	_____
<input type="checkbox"/> <b>Basic functioning</b>	_____
<input type="checkbox"/> Automatic	_____
<input type="checkbox"/> Push & Go	_____
<input type="checkbox"/> Button	_____
<input type="checkbox"/> Button + 5 sec - Opened	_____
<input type="checkbox"/> <b>Complete functioning</b>	_____
<input type="checkbox"/> Automatic	_____
<input type="checkbox"/> Opened	_____
<input type="checkbox"/> Exit only	_____
<input type="checkbox"/> Door closed	_____
<input type="checkbox"/> <b>Regulations</b>	_____
<input type="checkbox"/> Force sensitivity while closing	_____
<input type="checkbox"/> Opening speed	_____
<input type="checkbox"/> Door opened time	_____
<input type="checkbox"/> <b>Sensors / Internal Radar</b>	_____
<input type="checkbox"/> Regular movement in control area	_____
<input type="checkbox"/> Regular presence in research area	_____
<input type="checkbox"/> Regulation time presence	_____
<input type="checkbox"/> <b>Proximity detector</b>	_____
<input type="checkbox"/> <b>Power failure</b>	_____
<input type="checkbox"/> The lock opens	_____
<input type="checkbox"/> It works manually	_____
<input type="checkbox"/> <b>Mechanic</b>	_____
<input type="checkbox"/> Interference with walls and/or fix verticals	_____
<input type="checkbox"/> Doors levelled and plumbed	_____
<input type="checkbox"/> Height between door and floor: 6 - 10 mm	_____
<input type="checkbox"/> Friction	_____
<input type="checkbox"/> <b>Cleaning</b>	_____
<input type="checkbox"/> <b>Note:</b>	_____
	_____
	_____
	_____

## 5.7 INSTALLATION DECLARATION OF CONFORMITY CE

# To be completed by the installer

## INSTALLATION DECLARATION OF CONFORMITY CE ( Directive 2006/42/CE - Directive on Machinery - )

Installer: \_\_\_\_\_

Address: \_\_\_\_\_

I declare: \_\_\_\_\_

Door description: \_\_\_\_\_

(Model, type)

Serial number: \_\_\_\_\_

Localization: \_\_\_\_\_

(Client, address)

- The product complies with the requirements of Directive on Machinery 2006/42/EC
- It complies with the provisions of the following other EEC directives:  
Electromagnetic Compatibility Legislation 2004/108/CE, as amended;  
Low Voltage Directive 2006/95/CE, as amended.
- I declare that the installation complies with all the specifications in this manual.
- I declare that the product passed the final functioning and safety check and that I informed the user about the \_\_\_\_\_ product safe use instructions.

The following standard and national technical specifications and laws were applied:

- CEI 64-8 - Electrical installations with rated voltage not exceeding 1000V ac and 1500V dc

Date: \_\_\_\_\_

Installer signature, written legibly \_\_\_\_\_

STAMP AND SIGNATURE OF THE INSTALLER

LABEL - MARK CE

## 5.8 CONFORMANCE STATEMENT



### CONFORMANCE STATEMENT (Directive 2006/42/CE - Directive on Machinery)

I declare, under my own supervision, that the described model and product possess the essential health and safety requirements as expected in the following directives for the law harmonisation at European Union level:

Product: Automatic guide for internal sliding door

Model: E-MOTION

Serial Number: Starts with 00

Producer: ECLISSE S. r. l.  
Via Sernaglia, 76  
31053 Pieve di Soligo  
Treviso - Italia

Laws: Directive 2006/42/CE - "Directive on Machinery"

- EN ISO 12100-1
- EN ISO 12100-2
- EN ISO 13857
- EN ISO 14121-1

Directive 2004/108/CE - "Electromagnetic Compatibility (EMC) Directive".\*

- EN 61000: 3-2
- EN 61000: 3-3
- EN 61000: 6-1 2002
- EN 61000: 6-3 2002

Directive 2006/95/CE - "Low Voltage Directive (LVD)".\*

- EN 60335-1
- EN 60335-2/103


Designer:

Ing. Oriol Guilera

\* Laboratorio Ensayos: IDNEO  
Polígono Industrial Can Mitjans s/n  
08232 Viladecavalls - Barcelona - España

Legal Representative:

Sig. Luigi De Faveri





- IT** ECLISSE s.r.l. - Tel.:0438 980513 - Fax:0438 980 804 - eclisse@eclisse.it - www.eclisse.it
- GB** ECLISSE UK - Tel.:0044 845 4811977 - Fax:0044 1476 560951 - info@eclisse.co.uk - www.eclisse.co.uk
- PT** ECLISSEDOOR - Tel.:00351 912 934509 - helder.lopes@eclisse.com.pt - www.eclisse.com.pt
- BR** ECLISSE BRASIL LTDA - Tel:0055 27 3369 6200 - contato@eclisse.com.br - www.eclisse.com.br
- CZ** ECLISSE ČR s.r.o. - Tel.:00420 286888913 - Mobil:00420 603453645 - info@eclisse.cz - www.eclisse.cz
- SK** ECLISSE SLOVAKIA S.R.O. - Tel.:00421 48 4160700 - Fax:00421 48 4160701 - eclisse@eclisse.sk - www.eclisse.sk
- ES** ECLISSE IBERIA, SL - Tel.:0034 902 550878 - Fax:0034 902 550879 - eclisse@eclisse.es - www.eclisse.es
- NL** MARSICA SPECIAL DOORS & FRAMES B.V. - Tel.:0031 71 4050050 - Fax:0031 71 4050051 - info@marsica.eu - www.marsica.eu
- FR** ECLISSE FRANCE SAS - Tel.:0033 298905696 - Fax:0033 298901634 - info@eclisse.fr - www.eclisse.fr
- DE** ECLISSE DEUTSCHLAND GMBH - Tel.:0800 33 47 110 - Fax:0800 33 47 111 - info@eclisse.de - www.eclisse.de
- AT** ECLISSE WIEN GMBH - Tel.:0043 1 961 65 65 - Fax:0043 1 961 95 90 - eclisse@eclisse.at - www.eclisse.at
- PL** ECLISSE POLSKA SP. Z.O.O. - Tel.:0048 58 5311995 - Fax:0048 58 5322578 - eclisse@eclisse.pl - www.eclisse.pl
- RO** ECLISSE EST SRL - Tel.:0040 371 46 60 60 - Fax:0040 372 89 86 82 - info@eclisse.ro - www.eclisse.ro
- HU** VENETO PORTE PLUSZ KFT - Tel.:0036 30 538 9027 - Fax:0036 2244 1108 - toth.istvan@t-online.hu - www.eclisse.hu
- FI** MUOTOLEVY OY - Tel.:010 2814000 - myynti@muotolevy.fi - www.eclisse.fi
- TR** HAFELE MOBILYA - Tel.:0090 216 528 59 00 - Fax:0090 216 528 59 30 - www.hafele.com.tr
- TN** TECHNOBAT - Tel./Fax:00216 71 942429 - contact@technobat.com.tn - www.eclisse.tn
- US** EURO ARCHITECTURAL, LCC - Tel.:001 800 614 1474 - info@euro-arch.com - www.eclisse.us
- IL** BUILDING INNOVATIONS LTD - Tel.:00972 3 5136100 - Fax:00972 3 6815308 - ola-g@h-g-trading.co.il - www.h-g-trading.co.il
- RU** VISHERA-GROUP - Tel. 007 495 518 96 89; 077 495 518 96 80; Fax: 007 495 518 96 85 - info@eclisse.ru - www.eclisse.ru



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