Premis

PREMIS 200

AUTOMATIC SWING DOOR

USER MANUAL

www.erreka.com

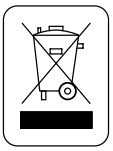
ERREKA

WARNINGS FOR THE DISPOSAL

When this product reaches the end of its useful life, it must be dismantled by qualified personnel.

This product is made up of diverse materials, some can be recycled and others must be disposed of. It is necessary to find out about the recycling and disposal systems provided by the local regulations in force.

Some parts of this product may contain polluting or hazardous substances that, if released to the environment, could damage it and human health.



It is forbidden to dispose of this device together with household waste. Carry out selective collection according to local regulations.

1 SYMBOLS USED IN THIS GUIDE

This guide uses symbols to highlight specific texts. The functions of each symbol are explained below:

⚠ **Failure to respect the safety warnings could lead to accident or injury.**

☞ Important details that must be taken into account.

🛈 Additional help information.

♻ Information on care for the environment.

2 SCOPE AND IMPORTANCE OF THIS GUIDE

This guide describes operation of the facility, along with its correct use and maintenance.

⚠ **Read this guide in its entirety, keep it in a safe place, and follow all instructions. Failure to do so may lead to accidents and failures, as well as loss of the sales warranty.**

🛈 Moreover, this guide provides valuable information for better understanding of the functions of the facility.

☞ This guide is an integral part of the product. Keep it for future reference and pass it on if ownership changes.

3 ENVISAGED USE AND MAINTENANCE

⚠ **Use the door as described in this guide. Any use other than that envisaged in this guide is considered inappropriate and therefore dangerous, as it could result in accidents and failures.**

⚠ **Do not allow children or people with disabilities to use the operator control devices.**

⚠ **Carry out maintenance as described in this guide. Failure to do so may lead to accidents and failures, as well as loss of the product warranty.**

⚠ **For safety reasons, any changes to the facility must be recorded in the relevant section of this guide.**

4 GENERAL PRECAUTIONS DURING USE AND MAINTENANCE

Installation has been completed by a professional installer using automated devices in line with European regulations.

However, given the nature of the product, certain residual risks that cannot be removed by design or manufacture remain. Special attention should therefore be given to the safety warnings set out in this guide.

5 SAFETY ELEMENTS IN THE FACILITY

ERREKA Automatic Entrance Systems meet all safety requirements set out in applicable European standards.

The facility's safety elements are described in the section "Safety elements" on page 6.

1 INTRODUCTION

This manual has been drafted in accordance with international standards UNE-EN-ISO 12100 and UNE EN 16005.

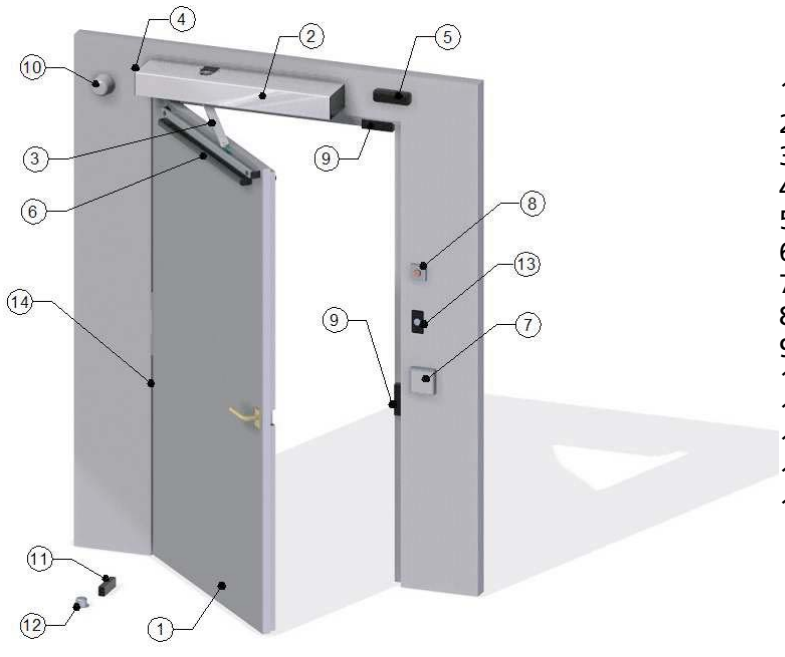
Erreka operators are designed for intensive use, guaranteeing a maximum level of safety and a long working life.

The information in this manual is for operator for pedestrian swing doors PREMIS200 models and describes the instructions necessary for proper handling and operation of the automatic door.

2 TECHNICAL CHARACTERISTICS

Characteristic	PREMIS 200	PREMIS 200M
Dimensions	Operator 644x75x138 mm	
Power supply (V/Hz)	230 V - 50 Hz	125 V - 60 Hz
Power consumed (W)	100W	
Motor voltage (Vdc)	40V	
Opening speed	Adjustable 3 - 10 seconds	
Closing speed	Adjustable 5 - 10 seconds	
Max. torque (Nm)	50	
Opening angle	Adjustable from 0 -100º (with mechanical stopper)	
Maximum: Weight / Width door	400kg or 1,400mm	
Use	Intensive	
Network input fuse	4 A (5X20)	
Peripherals power supply (voltage)	24 Volts	
Peripherals power supply (current)	1.5 Amps	
Service temperature (ºC)	-20ºC - 50ºC	
Protection rating (IP)	IP52	

3 GENERAL DESCRIPTION



1 Door
2 Operator
3 Arm: Pull / Push
4 Side switch
5 Activation sensor
6 Safety sensor
7 Selector
8 Emergency Stop
9 Electrical lock
10 Smoke sensor (Fire door)
11 Hold-open magnets
12 Door stopper
13 External key
14 Fingers guards

4 SAFETY ELEMENTS

This operator meets all current safety standards. However, the complete system comprises, apart from the operator referred to in these instructions, other elements which should be acquired separately.

The safety of the complete installation depends on all the elements installed. Install only Erreka components in order to guarantee proper operation.

4.1 Safety by electronic control

The operator can be set to LOW ENERGY or FULL ENERGY:

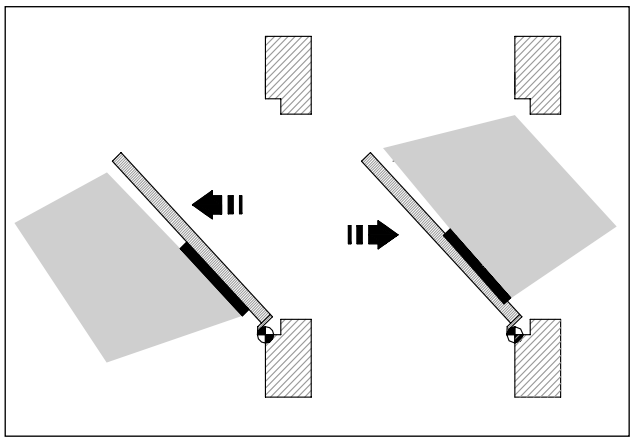
- **LOW ENERGY**: according to the low power operation requirements of Standard EN 16005. Operating parameters are adjusted according to specifications in the respective standard:
  - Dynamic impact force, low speeds, reduction of static forces, etc.

⚠ **Due to the system's tolerances, actual forces in the door panel may be measured after configuring the door in low energy, modifying, if necessary, any parameters in order to comply with the standards.**

- **FULL ENERGY**: the entire range of opening and closing speed parameters, along with opening and closing torque, can be adjusted.

⚠ **Safety sensors must be installed in order to comply with Standard 16005.**

4.2 Opening and closing safety sensors



If the door is configurated as FULL ENERGY is necessary install safety sensors:

4.2.1 Safety sensor Opening

If the safety device is enabled during opening, the door stops. If disabled, the door opens completely at slow speed or until a new safety activation.

4.2.2 Safety sensor Closing

The door reverses operation direction and opens completely if the closing safety device is enabled during closing. The door remains in this position until the signal is disabled.

⚠ **Elements that may affect this presence area, such as plants, rugs, etc., should be avoided.**

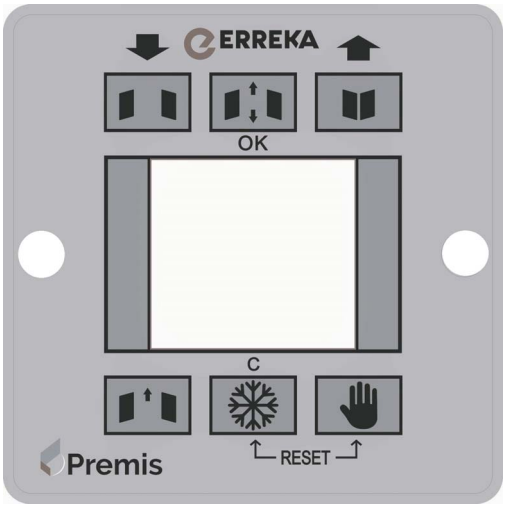
The safety sensors installed must have a test input to monitor correct operation. The door switches to MANUAL MODE in the event of test failure.

4.3 Safety mechanically

Protecting the door's hazard areas (hinges, etc.) with safety guards is recommended.

1 OPERATION

1.1 Digital Selector (DIG SEL02)



Symbol	Function	Description
	Door Open	The door opens and remains open in maximum opening position.
	Automatic	When a signal is received from the radar contact, the door opens, remains open for the programmed time, and closes again.
	Door closed	The door closes and the electro-lock, if fitted, is activated to prevent it opening.
	One direction	The door only allows exit from the site. When the door closes, it also locks to prevent manual opening from outside.
	Winter (Double swing doors)	Only one of the doors will carry out opening or closing operations when Winter mode is enabled in double swing doors; the other one is considered a fixed door.
	Manual	The door stops and the motor is released in order to move the leaf manually.

- **To reset**, keep the 2 keys pressed down at the same time for 3 seconds:  and  .

- **To lock** the selector (to ensure it cannot be tampered with and the modes and parameters cannot be changed): press the following keys for 3 seconds:  and  .

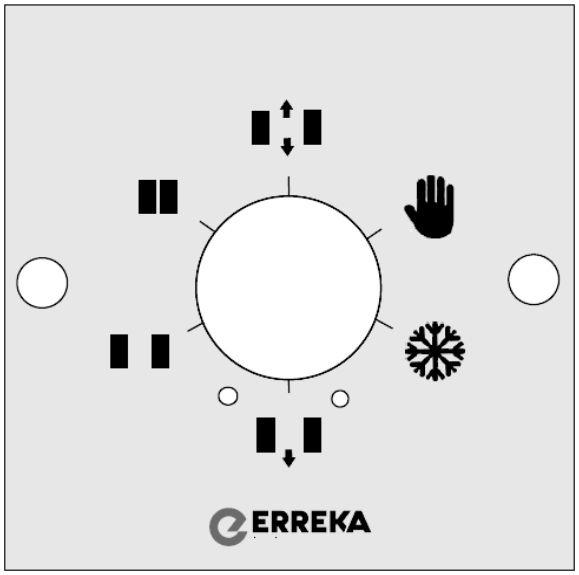
  Repeat the sequence **to unlock**.

☞ When the selector is locked, the icon 🔒 is displayed on screen.
Whilst this icon is displayed, the selector keys are not available until it is unlocked and the icon disappears.

1.2 Rotary Selector (ROT SEL01)

The key rotary selector cannot be used to regulate the door.

The digital selector must be connected in order to modify the parameters of the door.



Symbol	Function	Description
	Door open	The door opens and remains open in maximum opening position.
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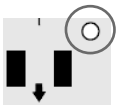
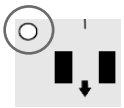
	Manual	The door stops and the motor is released in order to move the leaf manually.
	Winter (Double swing doors)	Only one of the doors will carry out opening or closing operations when Winter mode is enabled in double swing doors; the other one is considered a fixed door.
	One direction	The door only allows exit from the site. When the door closes, it also locks to prevent manual opening from outside.

- **To reset**, press the concealed pushbutton to the right of the exit only icon using a tipped instrument.



- **In the case of error**, the indicator LED located to the left of the "exit only" icon will begin to flash.

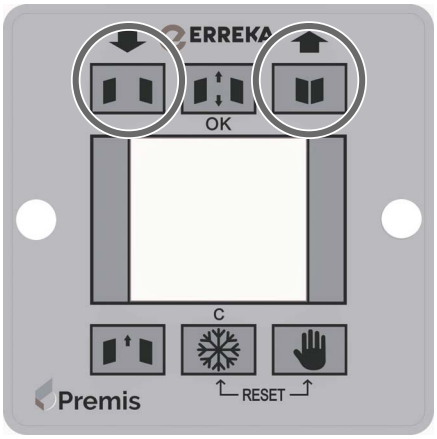


2 EXTERIOR KEY (OPENING PULSE/CLOSING PULSE)

The exterior key allows the door to be opened and closed from outside.

Mode	Function	Description
	Closing pulse	Every time the closing pulse is activated, the door closes and stays in this position. The door will remain closed even when the power supply fails.
	Opening pulse	The door carries out an opening and closing cycle every time the pulse is activated. After the cycle, it switches to the mode indicated in the digital or rotary selector.

3 USER PARAMETERS CONFIGURATION



The digital selector can be used to configure some basic parameters using the digital selector.

Accessed by pressing the 2 keys at the same time for 3 seconds:  and  .

To accept the change or move forward in the menu, press 

;

to exit or to move back in the menu, press 

.

Use  or  to scroll through menus and to increase or decrease values.

These are the parameters which can be configured from the **User Menu**:

1.1 Select Times		
	Time Opened Normal (0 - 60 sec.)	
	Time Opened Pulse (0 - 60sec.)	
	Time Opened Courtesy (0 - 60sec)	
	Change To Closed (0 - 300 sec)	
1.2 Select Languages		
	Spanish	
	English	
	French	
	Dutch	
	Portuguese	
	Basque	
	Polish	
1.3 Information		
	General	
	• Commission Date	Define the operator's location
	• Type Of Opener	Define how is works the operator
	- Low Energy	
	- FE Normal	
	- FE Firewall	
	• Serial nº	
	• Last Service Date	
	• Versions	
	- HW Version	
	- SW Version	
	Operator Info	
	• Number Of Cycles	
	• Commission Time	
	- Years	
	- Months	
	- Days	
	- Hours	
	- Minutes	
	Cycles – Last Service	
	Last Notification Code	
1.4.- Door Sync Settings		
	Select Door	
	• M1	Define the operator Master
	• S1	Define the operator Slave
	Door Sync	
	• Disabled	
	• Enabled	
	Interlock	
	• Disabled	
	• Enabled	
1.5.- Auto Screen Off		
	• Disabled	
	• Enabled	

4 LOCATION OF FAILURES AND ACTION PROCEDURE

Warning Type	Description	Possible cause	Possible solution
Warning 2	Encoder failure	The motor may be locked or the encoder wire damaged	Analyse if the motor is locked. If the motor is free, change the encoder wire.
Warning 3	Electrolock failure	The electrolock could not be released	Check if the electrolock could be released manually. If it works properly mechanically, check the configuration of the test and the test itself.
Warning 4	Flash memory failure	The flash memory is damaged or it is out of date	Make a default parameters, if the warning continues, contact with the technical support, a replacement of the electronic board could be necessary.
Warning 5	Motor driver temperature	The motor control transistors are overheated	The door will open until the temperature of the driver drops. Then it will return to a normal operation. A reset could be done for a quick recovery.
Warning 6	Overcurrent in the motor	There is an overcurrent in the motor input	Check if the motor is locked. If the motor is free, make a reset. After a reset, if the warning continues, contact with the technical support, a replacement of the board or the motor could be necessary.
Warning 7	Motor temperature	The motor is overheated	The door will stop until the temperature of the motor drops. Then it will return to a normal operation. A reset could be done for a quick recovery.
Warning 8	Closing safety sensor enabled	Obstacle in the photocell detection area	Check the proper operating of the photocell, if it works properly, remove the obstacle. A reset could be done for a quick recovery.
Warning 9 (*)	Remote safety closing enabled	Obstacle in the remote photocell detection area	Check the proper operating of the photocell, if it works properly, remove the obstacle. A reset could be done for a quick recovery.
Warning 10	Interior radar enabled	Obstacle in the radar detection area	Check the proper operating of the radar, if it works properly, remove the obstacle. A reset could be done for a quick recovery.
Warning 11	Exterior radar enabled	Obstacle in the radar detection area	Check the proper operating of the radar, if it works properly, remove the obstacle. A reset could be done for a quick recovery.
Warning 12	Safety opening sensor enabled	Obstacle in the safety sensor detection area	Check the proper operating of the sensor, if it works properly, remove the obstacle. A reset could be done for a quick recovery.
Warning 13 (*)	Remote safety opening sensor enabled	Obstacle in the safety sensor detection area	Check the proper operating of the sensor, if it works properly, remove the obstacle. A reset could be done for a quick recovery.
Warning 14	Internal power source failure	One of the voltages inside the board is out of range	Make a reset to recover the proper functionality. If the warning persists contact with the technical support, a replacement of the electronic board could be necessary.
Warning 15	Motor voltage failure	The output voltage of the motor is out of range	Make a reset to recover the proper functionality. If the warning persists contact with the technical support, a replacement of the electronic board could be necessary.
Warning 17	Main voltage failure	Input current wrong or power fuse failed	Check if the power input is suitable. If it is correct check the power fuse. If both works properly, contact with the technical support, a replacement of the electronic board or power supply could be necessary.
Warning 18	System voltage failure	The voltage of the system is out of range	Make a reset to recover the proper functionality. If the warning persists contact with the technical support, a replacement of the electronic board could be necessary.

Warning Type	Description	Possible cause	Possible solution
Warning 19	Room temperature	The working temperature is too high	The door will automatically go to door open until the temperature drops below the temperature set the maximum temperature could be verify with the digital selector and the range is also able to modify with the digital selector.
Warning 20	Anti-crush	An entrapment occurs	Remove the obstacle or check if there is a friction in the movement of the door.
Warning 23	Emergency	The emergency signal is enabled	Depends on the configuration of the signal, the warning will be disappear automatically when the signal turns off or doing a reset would be necessary to remove the warning.
Warning 24	Continuous anti-crush	Three entrapment occur	Remove the obstacle or check if there is a friction in the movement of the door. A reset would be necessary to recover the proper functionality.
Warning 25	Photocell test failure	Photocell damaged	Check if the photocell configuration coincides with its configuration in the digital selector. If it is correct, contact with the technical support, a replacement of the photocell could be necessary. Temporally, a configuration normally closed without test could be used.
Warning 26 (*)	Remote photocell test failure	Photocell damaged	Check if the photocell configuration coincides with its configuration in the digital selector. If it is correct, contact with the technical support, a replacement of the photocell could be necessary. Temporally, a configuration normally closed without test could be used.
Warning 27	Safety sensor test failure	Safety sensor damaged	Check if the sensor configuration coincides with its configuration in the digital selector. If it is correct, contact with the technical support, a replacement of the sensor could be necessary. Temporally, a configuration normally closed without test could be used.
Warning 28 (*)	Remote safety sensor test failure	Safety sensor damaged	Check if the sensor configuration coincides with its configuration in the digital selector. If it is correct, contact with the technical support, a replacement of the sensor could be necessary. Temporally, a configuration normally closed without test could be used.
Warning 29 (*)	Warning in the other door operator (M1 or S1)	If the display shows M1 at the bottom, it means there is a warning in S1 (or vice versa)	Go to the "Select Door" menu and switch from M1 to S1 (or vice versa) to check the error in the other door operator.
Warning 30	Motor or brake activation failure	Electronic board damaged or motor unplugged	Check if the motor is plugged, then make a reset to repeat the test. If the warning persists contact with the technical support, a replacement of the electronic board or motor could be necessary.
Warning 31	Relay K2 fail	The relay is damaged	Switch off and switch on the electronical board and check if the relay can commute.
Warning 32	Relay K3 fail	The relay is damaged	Switch off and switch on the electronical board and check if the relay can commute
Warning 34 (*)	Failure in communication	There is a communication error between two operators	Check if the communication wire is installed correctly. Make a reset to recover the proper functionality. If the warning persists check the configuration of the boards.
Warning 35	Incomplete reset	The opener cannot make a reset	Check if the door is blocked with an obstacule or if there is a friction in the movement of the door and try to make a reset again. The door must try to make a reset three times.

Warning Type	Description	Possible cause	Possible solution
Warning 36	Electrolock release failure	The electrolock is blocked	Adjust the electrolock mechanically. Configure the help parameters for electrolocks: "Delay time" and "Reverse force".

(*) These errors are only available when two boards are communicated by CAN protocol.

5 TECHNICAL SUPPORT

For any technical queries or help, contact our after-sales service on 902501694 or by email to service@erreka.com.

For greater durability, reliability and safety, we recommend regular checks [[AT LEAST TWICE A YEAR]]. Erreka offers different types of regular maintenance which will adapt to the needs of the equipment.

Erreka counts on an instruction and ongoing training process for its officially approved technicians, thus guaranteeing a fully professional technical service.

1 MAINTENANCE

1.1 Maintaining the equipment

In accordance with European standard UNE EN 16005, the owner of the door must hire an authorised company to carry out the maintenance service, thus ensuring the proper operation of the door and all safety devices.

1.2 Maintenance tasks reserved for the user

The maintenance tasks to be carried out by the user are limited to keeping the door orderly and clean.

Do not use high-pressure water or abrasive products.

Do not expose any part of door to alkali (ammonia or similar).

Clean the glass regularly with specific glass-cleaning products that do not damage the aluminium.

Clean the rest of the door with a damp cloth and pH neutral soap.

1.3 Spare parts

TAll parts must be ERREKA PUERTAS AUTOMATICAS originals and must be installed by ERREKA technical personnel.

ERREKA shall be in no case liable for any damage which may be caused due to interventions by unauthorised personnel.

2 WARRANTY

The WARRANTY shall be 1 year as of delivery of the installation (installation delivery protocol), provided there is a maintenance contract with Erreka Technical Service and there are no payment arrears for the installation or the maintenance contract.

3 MAINTENANCE BOOK

General installation details

Make: Serial N°:

Operator:

- ☐ PREMIS 200
- ☐ PREMIS 200M

Type of door:

- ☐ LOW ENERGY
- ☐ FULL ENERGY - NORMAL
- ☐ FULL ENERGY - FIRE PROTECTION

Configuration:

- ☐ SINGLE SWING DOOR
- ☐ DOUBLE SWING DOOR

use Of the installation: ☐ PUBLIC ☐ PRIVATE Emergency exit: ☐ YES ☐ NO

Date - Installation:..... Delivery Date - Installation:.....

Installer

Company: Town:

Address:

Tel: Fax:

Owner

Company: Town:

Address:

Tel: Fax:

INSTALLATION CHECKLISTS

Mechanical/electrical elements	OK	No OK	Remarks
Door stopper			
Cover fixing screws			
Pull slide arm / Articulated push arm fixing screws			
Operator side switch			
Manual mode (spring force)			
Passive brake (Micro switch)			
Electro-lock			
Door parameters: speed, etc.			
Switchboard			
Gearbox, Motor			
Functions selector			
Exterior key			
Remote control			

Safety elements	OK	No OK	Remarks
Door sensitivity (trapping)			
Safety sensor Opening			
Safety sensor Closing			
Fire alarm			
Emergency			
Stop			
Guards			

Activation elements	OK	No OK	Remarks
Activation pushbuttons			
Infra-red sensor			
Remote control			
Microwave radars			
Pushbutton (disabled)			
Others:			

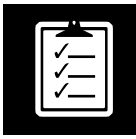
Documentation	OK	No OK	Remarks
Explanation of operation			
Delivery of user manual			
Maintenance book			
CE marking documentation			

MAINTENANCE OPERATIONS

1. Cleaning and adjustments – Operator and arms	M	1	2	3
Clean state inside the operator	X			
Pull slide arm: Clean state and verification of the slide profile	X			
Lubrificate the spherical bearings of the arms	X			
Check the gearbox	X			
Check and adjustment of fastenings: operator, arms, etc.	X			

2. Adjustments and verification – Wiring connections	M	1	2	3
Check and adjustment of Switchboard wiring	X			
Check of state of Power Source cables	X			

3. Cleaning and adjustments – Leaf and hinges	M	1	2	3
Check and adjustment of the leaf (alignment, friction, etc.)	X			
Check and adjustment of padlock/lock	X			
Check and adjustment of fastenings: door stopper, guards, etc.	X			
Check and adjustment in profiles: Attachments, overlaps, joints, brushes, glass fastening, etc.	X			
Check and lubricate of the hinges	X			
Check and adjustment of Manual mode closing movement (spring force)	X			



4. Verification of safety and activation elements	M	1	2	3
Check and test: Safety sensor Opening	X			
Check and test: Safety sensor Closing	X			
Check and test: mechanical closing (electro-lock)	X			
Check and test: Passive brake	X			
Check and test: anti-crush	X			
*Check and test: emergency signal	X			
*Check and test: Stop	X			
*Check and test: Fire protection	X			
Check and test: digital selector / mechanical selector	X			
Door parameters settings: speed, braking, closing force, etc	X			
Check and test: exterior key	X			
Check and adjustment: activation radars or sensors	X			
Check and adjustment: peripherals (buttons, card devices, etc.)	X			

M: Every time maintenance is carried out

CHANGES IN THE INSTALLATION

Date: ……. / ……... / …….. Technician (code):

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