

FACE

Automatic Doors

ENGLISH

USER INSTRUCTIONS FOR SLIDING DOORS



| | |
|-----------------------|-----------------------------|
| SL3L | LIGHT |
| SL4A-SL5A-SL6A | ADVANCED |
| SL4E-SL5E-SL6E | EMERGENCY |
| SL5H-SL6H | HEAVY |
| SL6B | BIG |
| SL6HA | HERMETIC-ADVANCED |
| SL6HB | HERMETIC-BIG |
| SLTA | TELESCOPIC-ADVANCED |
| SLTE | TELESCOPIC-EMERGENCY |

1. CORRECT USE OF THE AUTOMATIC SLIDING DOOR

The automations for automatic sliding doors have been designed and constructed in accordance with European standard EN 16005, also the innovative and advanced electronic control system makes the door safer, as the maximum forces developed are limited to non-hazardous values.

It's still need to be observed the following precautions to ensure safety in relation to intended use: pedestrian traffic of people.

1.1 GENERAL SAFETY INSTRUCTION

These warnings are an integral and essential part of the product and must be supplied to the user. Read them carefully as they contain important information regarding the safe use and maintenance. You must keep these instructions and pass them on to subsequent users of the system.

This product must be used only for the purpose for which it is designed. Any other use is considered improper and therefore dangerous. The manufacturer can't be held responsible for any damage caused by improper, incorrect or unreasonable use.

Avoid the rest of the people in the vicinity of the area occupied by the stroke of the sliding doors. Do not obstruct the motion of the automatic sliding door as it may cause dangerous situations.

It's forbidden run toward a closed door, as the reaction time of the opening devices may be insufficient to avoid a collision.

This product is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the product by a person responsible for their safety. Children should be supervised to ensure that they do not play with the product.

In the event of failure or malfunction of the product, disconnect the power supply, avoid any attempt to repair or intervene directly and contact only qualified personnel. Failure to comply with the above may create a hazardous situation.

To ensure the efficiency of the system and its proper functioning is essential to follow the manufacturer's instructions; the periodic maintenance of automatic sliding door must be performed by qualified personnel. In particular, it is recommended that the periodic verification of the correct operation of all safety devices. All installation, maintenance and repair work must be documented and made available to the user.

1.2 RESTRICTIONS OF USE AND RESIDUAL RISKS

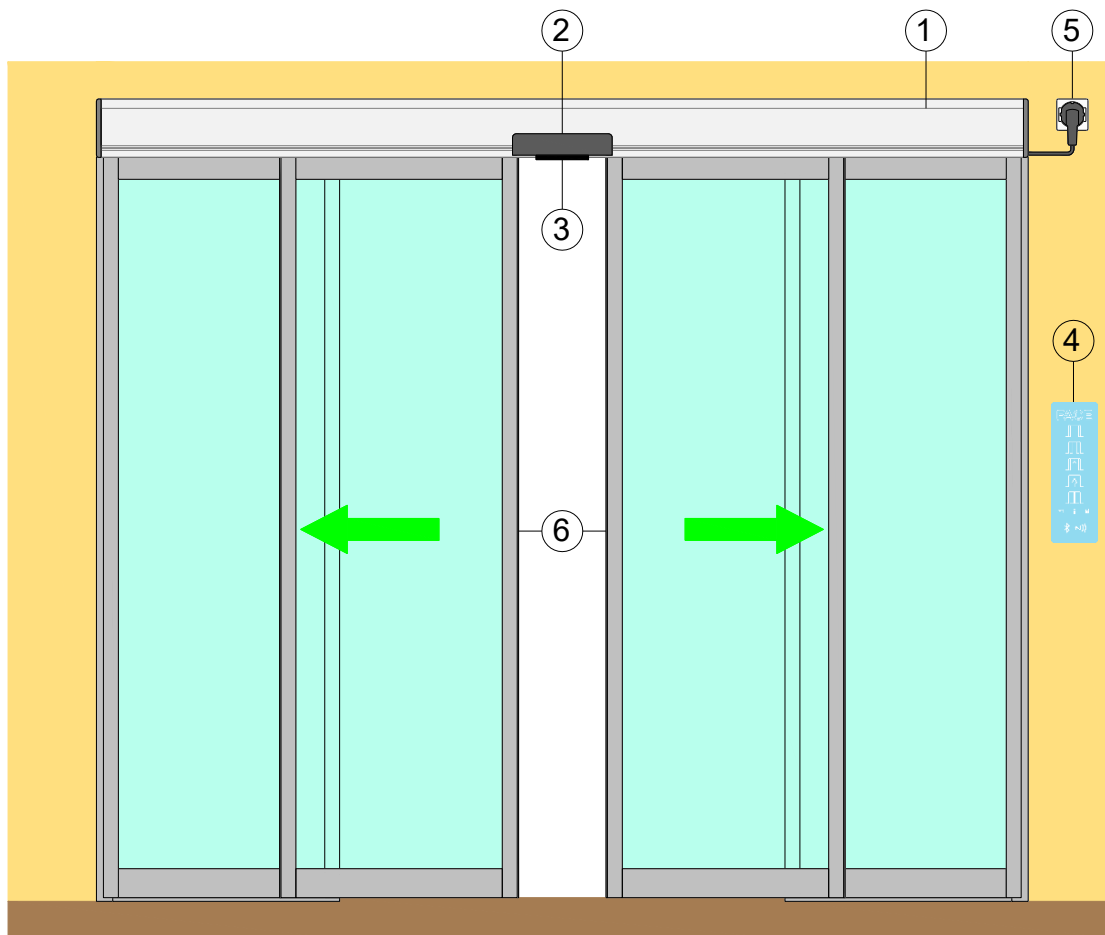
The European standard EN 16005 defines clearly what are the main hazards and the necessary protection to secure the use of an automatic sliding door in standard conditions. Nevertheless, there may be particular situations where it is necessary to assess the possible risks and adopt the related solutions for the protection or risk reduction.

For example, the particular installation can be generated by: the architectural requirements, the type of use, from the environment of use, from the spaces in the building, the type of users, etc.

It's the installer duty to identify and assess these risks and notify the owner of the solutions adopted, including the existence of residual risks or the need for restrictions on use, filling in the following table.

| Rif. | Residual risk | Adopted solution |
|------|---------------|------------------|
| | | |
| | | |
| | | |
| | | |

2. STANDARD INSTALLATION



| Rif. | Code | Description |
|------|---|---|
| 1 | SL5A220 – SL5A266 SL5E220 – SL5E266 | SL5A automation (Advanced) for sliding doors SL5E automation (Emergency) for sliding doors |
| 2 | OSD1, OSD3, OSD4, OSD5, OSD6 OSD4, OSD8 | Safety and opening sensor Safety and opening sensor for Emergency exit (Note: To ensure the safety of the doorway, are needed 2 sensors, one on each side) |
| 3 | SL5FS | Device for fixing sensors |
| 4 | FSD5, FSD6 | Electronic function selector |
| 5 | - | Power cable for connection of the automation |
| 6 | SF30 | Sliding door profile system |

Note: Components and codes are those most commonly used in systems for automatic sliding doors. The full range of equipment and accessories is also available in the sales list.

The given operating and performance features can only be guaranteed with use of FACE accessories and safety devices.

This is a translation of the original Italian user instruction. All data and information contained in this manual have been drawn up and checked with the greatest care. However FACE cannot take any responsibility for eventual errors, omissions or inaccuracies due to technical or illustrative purposes.

FACE reserves the right to make changes and improvements to their products. For this reason, the illustrations and the information appearing in this document are not definitive.

This edition of the manual cancels and replaces all previous versions. In case of modification will be issued a new edition.

3. TECHNICAL DATA

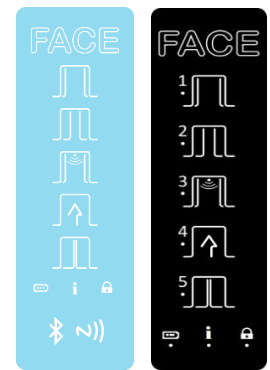
| Code | Automation type | Automation dimensions | Rated load | Leaf weight | Duty class |
|----------------------------|-----------------------------|----------------------------|--------------|--|----------------------------|
| SL3L | LIGHT | 100 x 148 x 6600 mm | 80 N | 1 x 70 kg 2 x 50 kg 2 x 60 kg | 100% 100% S3 = 80% |
| SL4A | ADVANCED | 125 x 156 x 6600 mm | 150 N | 1 x 100 kg 2 x 90 kg | 100% 100% |
| SL4E | EMERGENCY | 125 x 156 x 6600 mm | 150 N | 1 x 100 kg 2 x 90 kg | 100% 100% |
| SL5A SL6A | ADVANCED | 125 x 156 x 6600 mm | 150 N | 1 x 140 kg 2 x 120 kg | 100% 100% |
| SL5E SL6E | EMERGENCY | 125 x 156 x 6600 mm | 150 N | 1 x 140 kg 2 x 120 kg | 100% 100% |
| SL5H SL6H | HEAVY | 125 x 156 x 6600 mm | 150 N | 1 x 180 kg 2 x 150 kg | S3 = 60% S3 = 60% |
| SL6B | BIG | 125 x 156 x 6600 mm | 350 N | 1 x 400 kg 2 x 250 kg | S3 = 60% S3 = 60% |
| SL6HA | HERMETIC-ADVANCED | 125 x 156 x 6600 mm | 150 N | 1 x 100 kg | S3 = 60% |
| SL6HB | HERMETIC-BIG | 125 x 156 x 6600 mm | 350 N | 1 x 200 kg | S3 = 60% |
| SLTA | TELESCOPIC-ADVANCED | 125 x 216 x 6600 mm | 150 N | 2 x 100 kg 4 x 70 kg | 100% 100% |
| SLTE | TELESCOPIC-EMERGENCY | 125 x 216 x 6600 mm | 150 N | 2 x 100 kg 4 x 70 kg | 100% 100% |












Note: The technical data above refer to average conditions of use and cannot be certain in each case. Each automatic entrance variables such as: friction, balancing and environmental conditions may substantially change both the duration and the quality of the operation of the automatic entrance or some of its components, including the automation. The installer must adopt adequate safety coefficients for each particular installation.

4. USE OF ELECTRONIC FUNCTION SELECTOR

ATTENTION: the function selector must be used by authorized personnel only; if it is installed in a place accessible to the public, the function selector must be protected by a proximity badge (13.56MHz ISO15693 and ISO14443 Mifare) or by a numeric code (max 40 badges and codes).

The function selector allows the following settings.



| Symbol | Description |
|---|---|
|  | <p>OPEN DOOR When selected, the symbol lights up, the door is permanently open. Note: the leaves can still be handled manually.</p> <p>LOW SPEED OPERATION (SLIDING DOOR) Select the symbol for 5 seconds (double beep), the AUTOMATIC symbol flashes and the door works without safety sensors with reduced closing speed. Note: this mode must be used temporarily in the event of a malfunction of the safety sensors.</p> |
|  | <p>AUTOMATIC PARTIAL OPERATION When selected, the symbol lights up and automatic operation of the door is with a partial opening of the leaves.</p> |
|  | <p>AUTOMATIC BI-DIRECTIONAL OPERATION When selected, the symbol lights up, the door works automatic in bidirectional mode.</p> |
|  | <p>RESET Select the symbol for 5 seconds, the automation performs the self-test and the automatic learning.</p> |
|  | <p>AUTOMATIC ONE-WAY OPERATION When selected, the symbol lights up and automatic operation of the door is in one-way mode.</p> |
|  | <p>CLOSED DOOR When selected, the door is permanently closed. If the locking device is present, the door is closed and locked. Note: using the menu SEL > DLAY you can adjust the delay time to close the door.</p> <p>CLOSING PRIORITY Select the symbol for 3 seconds, the automation closes slowly. Note: if present, the safety sensors are disabled.</p> |
|  | <p>PROTECTED FUNCTION SELECTOR The symbol lights up if the function selector is protected. To activate the temporary operation of the function selector is necessary to approach the badge to the NFC symbol (FSD1-FSD5), or enter the code (FSD4-FSD6), or select for 3 seconds the logo.</p> |
|  | <p>ACTIVATION OF FUNCTION SELECTOR BY LOGO (SEL>SECL=LOGO) Select the logo for 3 seconds (the lock symbol light off), the function selector is activated for 10 seconds. Expired the time the function selector switches off (the lock symbol lights up). Note: the FSD5 function selector logo flashes when the CAN bus communication is not working (H-L terminals).</p> |
|  | <p>ACTIVATION OF FUNCTION SELECTOR BY BADGE (SEL>SECL=TAG) Approach the badge to the NFC symbol (the lock symbol light off), the function selector is activated for 10 seconds. Expired the time the function selector switches off (the lock symbol lights up).</p> |
| 1 2 3 4 5 | <p>ACTIVATION OF FUNCTION SELECTOR BY NUMERIC CODE (SEL>SECL=TAG) Press the logo, enter the code (maximum 5 numbers), press the logo for confirmation, (the lock symbol light off), the function selector is activated for 10 seconds. Expired the time the function selector switches off (the lock symbol lights up).</p> |
|  | <p>BATTERY SIGNAL Battery symbol off = the door is operating with the mains supply Battery symbol on = the door is operating with battery power Battery symbol flashing = the battery is low or disconnected</p> |
|  | <p>INFORMATION SIGNAL Information symbol on = it is necessary to perform the ordinary maintenance of the door. Information symbol flashing = shows the presence of alarms: - 1 flash = failure of electronic control or locking device; - 2 flashes = mechanical failure; - 3 flashes = failure of sensor safety test; - 4 flashes = motor overtemperature. - 5 flashes = failure of Emergency electronic control</p> |

5. MANUAL SLIDING DOOR USE

The FACE automations for automatic sliding doors are extremely reversible, and allow manual handling of the doors without additional effort.

The situations in which it is necessary to move the door manually are mainly two:

- For cleaning the doors, the glasses and external slides of the automation;
- In case of power failure or damage of the automation.

Note: in both cases, any latches and locks fitted on the doors should be opened.

5.1 MANUAL SLIDING DOOR USE FOR DOOR CLEANING OPERATION



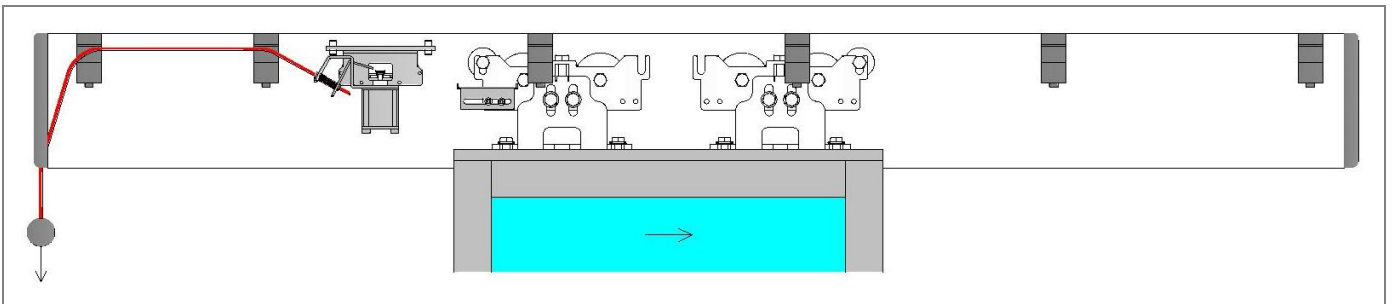
The manual handling of the sliding door is always possible, select the door open mode from function selector.

Note: in the absence of the function selector, you can keep the door open mode via a switch connected to terminals 1-KO of electronic control.

5.2 MANUAL SLIDING DOOR USE IN ABSENCE OF POWER SUPPLY OR IN CASE OF DAMAGE

The manual handling of the sliding door is always possible even in case of power failure, or in case of damage of the automation.

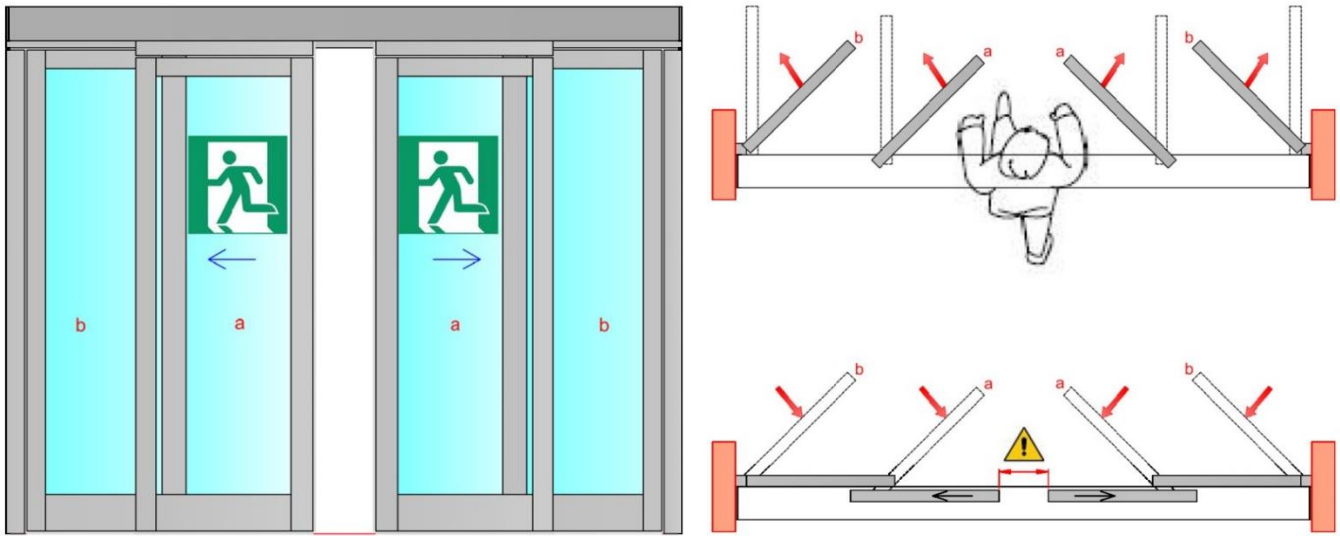
In the presence of bistable locking device, by pulling the release cord you unlock the door, and remains unlocked until it is restored the electrical operation.



To remove the power supply, for example in case of automation failure, unplug it from the electricity near the automation, or turn off the isolating switch arranged in the electrical system.



6. MANUAL USE OF SLIDING DOOR WITH BREAK-OUT SYSTEM



If the automatic sliding door is an emergency exit door equipped with break-out system in escape direction, proceed as follows.

Make sure that the supplied labels are applied, in a visible location on each sliding door [a] in escape direction.

The sliding doors [a], and the side walls [b] break-out, is obtained by pushing the doors in the escape direction.

It's sufficient to apply a force not exceeding 220 N near the closing edge at 1 m height.

The doors break-out stops the automatic mode and the door can be just moved manually.

To restore the automatic sliding door operation:



- manually reposition the sliding doors [a] as initial position,

Attention: sliding doors should not be completely closed.

- manually reposition the side walls [b] as initial position, if present.

7. USING THE SLIDING DOOR FOR EMERGENCY EXIT (WITHOUT BREAK-OUT SYSTEM)

The EMERGENCY automation is used in emergency exits, and allows the automatic opening of the door in case of failure, in the absence of power, or in the case of signaling by an alarm system.

The door must be equipped with the sensor opening for emergency exits, installed in the direction of escape.



To keep the door closed and turn off the operation of the emergency exit, you need to install the electronic function selector.

The function selector must be accessible only by authorized personnel, through the use of badges.

Note: every time you switch on, or every 24 hours, the emergency opening test is performed.



When required, the door must be equipped with an emergency opening device, installed in an easily identifiable and accessible position in the direction of the exit.

The emergency opening device allows immediate opening of the door, regardless of the position of the function selector device.

8. TROUBLESHOOTING

The following list of possible problems must be used by qualified personnel.

| Problem | Possible causes | Remedy |
|--|--|---|
| The automation does not open or close. | No power supply (display off). | Check the power supply. |
| | Blow line fuse (display off). | Replace the mains fuse. |
| | Short circuited external accessories. | Disconnect all accessories from terminals 0-1 and reconnect them one at a time (check for voltage 12V). |
| | The door is locked by bolts and locks. | Check the freely move of the doors |
| The automation does not perform the functions set. | Function selector incorrectly set. | Check and correct the settings of the function selector. |
| | Control devices or safety always activated. | Disconnect devices from the terminal and verify the operation of the door. |
| The movement of the doors isn't linear, or reverse the movement for no reason. | The automation does not successfully perform the automatic learning. | Perform a reset using the command 1-29, or power off and power on the automation. |
| The automation opens but does not close | Anomalies during the safety devices test. | Jumper contacts one at a time 41 -8A, 41 -8B, 41 - 6A, 6B - 41. |
| | The opening devices are activated. | Verify that the opening sensors are not subject to vibration, do not perform false detections or the presence of moving objects in the field of action. |
| | The automatic closing doesn't work. | Check the settings of the function selector. |
| Safety devices not activating. | Incorrect connections between the safety devices and electronic control. | Check that the safety contacts of the devices are properly connected to the terminal blocks and the relative jumpers have been removed. |
| The automation opens by itself. | The opening and safety devices are unstable or detect moving bodies | Verify that the opening sensors are not subject to vibration, do not perform false detections or the presence of moving bodies in the field of action. |
| | The EMERGENCY automation is testing the emergency opening. | Wait for the test run. |
| | The EMERGENCY automation has detected a fault. | Check for the presence of the power supply. Check the connection of the battery and its efficiency. Check the contact closure 1-E0. Make sure that the function selector device is in protected mode (the padlock symbol should be lit). If present, check the position of the locking device and the connection 1-S1. |
| The locking device doesn't lock or unlock the doors. | Wrong connection of the locking device to the electronic control. | Check the correct color connection of the locking device |
| | The attachment lock brackets, fixed on carriage, will not release | Check the adjustment of the position of the brackets coupling lock. |
| | Pulling the release cord don't unlock the doors. | Check the correct fitting of the release cord on the lock. |

9. WARNINGS ON THE ELECTRONIC CONTROL DISPLAY AND ON THE FUNCTION SELECTOR

Warnings on the electronic control display must be used by qualified personnel.

| DISPLAY | SEL | FLASH | WARNING | CHECK |
|---------|-----|-------|--|--|
| W001 | | 1 | Encoder error | Check encoder connection |
| W002 | | 1 | Motor short circuit | Check the connection of the motor |
| W003 | | 1 | Motor control error | Electronic control failure |
| W010 | | 2 | Direction reversed | Check the presence of obstacles |
| W011 | | 2 | Running too long | Check the connection of the belt |
| W012 | | 2 | Running too short | Check the presence of obstacles |
| W013 | | 2 | Overrun | Check the mechanical stops |
| W030 | | 5 | Emergency card not detected | Electronic control failure |
| W031 | | 5 | Communication interrupted | Electronic control failure |
| W032 | | 5 | Emergency sensor input failure | Electronic control failure |
| W033 | | 5 | Failure test of emergency opening | Check the connection motor - electronic control |
| W034 | | 5 | Relay motor error | Electronic control failure |
| W035 | | 5 | Error lock position | Check the lock and microswitch connections |
| W036 | | 5 | Error of lock operation | Check the lock and microswitch connections |
| W037 | | 5 | Opening door failure | Check the presence of obstacles |
| W038 | | 5 | Failure test of emergency opening | Check the connection motor - electronic control |
| W039 | | 5 | Contact 1-KC closed more than 10 seconds | Check the connection to the terminal KC |
| W041 | | 5 | Error of Emergency card | Electronic control failure |
| W100 | - | - | Programming error | Repeat the programming procedure in MEM > FW menu |
| W103 | - | - | Programming selector error | Repeat the programming procedure in SEL > FW menu |
| W104 | - | - | Programming Emergency error | Repeat the programming procedure in MEM > FW menu |
| W127 | - | - | Automation reset | The automation performs a self-test |
| W128 | | on | No power supply | Check the power supply |
| W129 | | 1 | No battery | Check the battery connection |
| W130 | | 1 | Low Battery | Replace or recharge the battery |
| W131 | | 1 | Error of Supercapacitor | Check the connection Supercapacitor - electronic control |
| W140 | | 3 | 6A safety test failure | Check the safety sensor connection |
| W141 | | 3 | 6B safety test failure | Check the safety sensor connection |
| W142 | | 3 | 8A safety test failure | Check the safety sensor connection |
| W143 | | 3 | 8B safety test failure | Check the safety sensor connection |
| W145 | | 4 | Motor overtemperature (first step) | The door reduces the speed |
| W146 | | 4 | Motor overtemperature (second step) | The door stops |
| W148 | | 1 | Locking device overcurrent | Check the ADV > TYLK menu and the lock connection |
| W150 | | 2 | Obstacle in opening | Check the presence of obstacles |
| W151 | | 2 | Obstacle in closing | Check the presence of obstacles |
| W152 | | 2 | Door locked open | Check the presence of locks |
| W153 | | 2 | Door locked closed | Check the presence of locks |
| W160 | | 1 | Synchronization error | Check the ADV > SYNC and ADV > INK menu |
| W256 | - | - | Power on | - |
| W257 | - | - | Firmware update | - |
| W320 | | on | Signaling of maintenance | Check the INFO > SERV menu |
| W330 | | 1 | Tuning between motor and electronics | Wait about 3-30 seconds |

10. AUTOMATIC SLIDING DOOR ROUTINE MAINTENANCE PLAN

To ensure proper operation and safe use of the automatic door, as required by European standard EN16005, the owner has to perform routine maintenance by qualified personnel.

Except for routine cleaning of the door and any floor rails, that are under the responsibility of the owner, all maintenance and repair work must be carried out by qualified personnel.

The following table lists tasks related to routine maintenance, and the frequency of intervention related to an automatic sliding door operation with standard conditions. In the case of more severe operating conditions, or in the case of sporadic use of the automatic sliding door, the frequency of maintenance can be consistently adequate.

| Task | Frequency |
|--|--|
| Remove the power supply, open the automation and perform the following checks and adjustments. - Check all screws fastening of components within the automation. - Check the cleanliness of carriage and rail. - Check the correct belt tension. - Check the state of belt wear and carriage wheels (if necessary replace them). - Check the correct fitting of the doors on the carriages . - If present, verify proper engagement of the locking device and the operation of the release cord. | Every 6 months or every 200.000 cycles. |
| Connect the power supply and perform the following checks and adjustments. - Check the correct operation of the control devices and safety. - Check the detection area of the security sensors complies with the requirements of the European standard EN16005. - If present, verify the correct operation of the locking device. - If present, verify the correct operation of the battery power device (if necessary replace the battery). | Every 6 months or every 200.000 cycles. Note: the verification of the automation security functions and safety devices must be made at least 1 time per year. |

All maintenance, replacement, repair, update, etc.. must be written into the proof book, as required by European standard EN16005, and delivered to the owner of the automatic sliding door.

For repairs or replacements of products, original spare parts must be used.

10.1 DISPOSAL OF PRODUCTS



The packaging materials (cardboard, plastic, and so on) should be disposed of as solid household waste, and simply separated from other waste for recycling.

Our products are made of various materials. Most of these (aluminum, plastic, iron, electrical cables) are classified as solid household waste. They can be recycled by separating them before dumping at authorized city plants.

Whereas other components (control boards, batteries, and so on) may contain hazardous pollutants.

These must therefore be disposed of by authorized, certified professional services.

Before disposing, it is always advisable to check with the specific laws that apply in your area.

DO NOT DISPOSE IN THE ENVIRONMENT.

PROOF BOOK

FOR PEDESTRIAN AUTOMATIC DOORS

ACCORDING TO MACHINES DIRECTIVE 2006/42/CE AND EUROPEAN STANDARD EN 16005

This proof book contains technical references and records of installation, maintenance, repairs and alterations carried out and must be made available for any inspections by authorized bodies.

SPECIFICATIONS OF THE AUTOMATIC DOOR AND INSTALLATION

Manufacturer / Installer:

Name, address and reference person

Customer / Owner:

Name, address and reference person

Order number:

Number and date of customer order

Model and description:

Type of door

Dimensions and weight:

Doorway width, dimensions and weight of the leaves

Serial number:

Number for clear identification of the door

Location:

Address of installation

LIST OF COMPONENTS INSTALLED

The technical features and performances of the components listed below are documented in the relevant installation manuals and/or on the label on the component itself.

Drive unit:

Model, type, serial number

Motor:

Model, type, serial number

Electronic control:

Model, type, serial number

Safety devices:

Model, type, serial number

Control devices:

Model, type, serial number

Other devices:

Model, type, serial number

Other components:

Model, type, serial number

START-UP REPORT

Tick the box corresponding to the work made: C = Comply, NC = Not comply, NA = Not applicable.

| Step | Description | C | NC | NA |
|------|---|----------------------|----|----|
| 1 | Check the existing structure and the fixing of the automation | | | |
| 2 | Check the correct fitting of the leaves to the carriages and the adjustment | | | |
| 3 | Check that the carriages cannot get out from the sliding rail | | | |
| 4 | Check the adjustment of the belt tension | | | |
| 5 | Check of mechanical stops, and the fixing of all screws | | | |
| 6 | Check the guide on the floor | | | |
| 7 | Check that the opening is conforming to the customer request | | | |
| 8 | Check the gap between the leaf and the floor | | | |
| 9 | Check the safety gap between the leaf and fixed parts | | | |
| 10 | Manually checked that the leaves slide without friction | | | |
| 11 | Check of electrical connection of devices | | | |
| 12 | Check the detection area of the opening and safety sensors | | | |
| 13 | Check the additional opening controls (buttons, key contacts, etc.) | | | |
| 14 | Check the function selector | | | |
| 15 | Check the battery operation | | | |
| 16 | Check the locking device operation and the manual unlocking operation | | | |
| 17 | Check the opening and closing speed | | | |
| 18 | Delivered the declaration of conformity to the owner | | | |
| 19 | Delivered the user instructions to the owner | | | |
| 20 | Delivered the proof book to the owner | | | |
| 21 | Check the opening by manually pushing the leaves for the escape routes | | | |
| 22 | Check the automatic emergency opening of the leaves for escape routes | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Date | Technician's signature | Customer's signature | | |

DESCRIPTION OF THE WORK

Tick the box corresponding to the work carried out. Describe possible residual risks and/or foreseeable improper use.

- Installation
- Start-up
- Adjustments
- Maintenance
- Repairs
- Alterations

Date

Technician's signature

Customer's signature

DESCRIPTION OF THE WORK

Tick the box corresponding to the work carried out. Describe possible residual risks and/or foreseeable improper use.

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Technician's signature

Customer's signature

DECLARATION OF CONFORMITY

Machines Directive 2006/42/EC, Annex II-A



Manufacturer: _____
Address: _____

DECLARES THAT:

The Product: _____
Location: _____

It complies with the Machines Directive 2006/42/EC.

It complies with the Electromagnetic Compatibility Directive 2014/30/UE.

It complies with following harmonized standards:

EN 16005 Power operated pedestrian doorsets - Safety in use - Requirements and test methods

The technical documentation is managed by:

Name: _____
Address: _____

Place and date: _____
Name: _____
Position: _____
Signature: _____