

DomoFlex 2[®]

Screw-driven lifting platform



USER'S MANUAL

SUMMARY SHEET

| |
|-------------------------------|
| DATE: |
| MACHINE NUMBER: |
| ADDRESS: |
| INSTALLALLER: |
| MAINTENANCE COMPANY: |
| TESTING NOTIFIED BODY: |

DEALER / INSTALLER STAMPING

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1. Manual reading guide

The purpose of this manual is to provide correct information on the installation of the product, in order to contribute to personal safety and to the proper functioning of the system. Keep the manual for the entire life of the product. In the event of a change of ownership, the manual must be provided to the new user as an integral part of the product.


1.01. Preliminary information

| NOTICE | |
|---|---|
|  | This product must be installed and put into operation according to the provisions and regulations in force. Improper installation or improper use of the product can cause damage to people and property, as well as cause the warranty to lapse. |
| | FOLLOW THE SUGGESTIONS AND RECOMMENDATIONS TO OPERATE IN SAFETY. Any unauthorized modification can compromise the safety of the system, as well as the correct operation and the life of the machine. If you have any doubts regarding the correct understanding of the information and contents contained in this manual, contact LIFTING ITALIA S.r.l. immediately. |
| | QUALIFIED PERSONNEL. The product covered by this documentation can only be installed by qualified personnel, in compliance with the attached technical documentation, above all in compliance with the safety warnings and the precautions contained therein. |

1.02. Personal security and risk recognition


This manual contains safety rules that must be observed to safeguard personal safety and to prevent damage to the property.

The indications to be followed to guarantee personal safety are highlighted by a triangle symbol while those to avoid material damage are not preceded by the triangle. The hazard warnings are shown as follows and indicate the different levels of risk in descending order.


| RISK CLASSIFICATION AND RELATIVE GRAVITY OF DAMAGE | | |
|--|--|---|
| DANGER | The symbol indicates that the failure to comply with appropriate safety measures causes death or serious physical injury. |  |
| WARNING | The symbol indicates that the failure to observe the corresponding safety measures can cause death or serious personal injury. | |
| CAUTION | The symbol indicates that failure to observe the relevant safety measures can cause minor or moderate personal injury or damage to the device. | |
| NOTICE | It is not a symbol of security. It indicates that the failure to comply with relevant safety measures can result in property damage. | |


If there are multiple levels of risk, the danger warning always indicates the highest one. If a warning is drawn with a triangle to warn to the risk of injury to persons, the risk of possible property damage may also be caused at the same time.


2. Information for lifting platform owner


| CAUTION | |
|---|---|
|  | <p>The lifting platform owner must ensure that the lifting platform is used only for its intended purpose (transportation of passengers with impaired mobility, as well as passengers in wheelchairs, with or without a companion).</p> <p>If the lifting platform is used not according to its purpose, it may result in dangerous situations with the likelihood of injuries or damage to the lifting platform.</p> |

The lifting platform must operate in accordance with safe operating conditions.

| | |
|---|--|
|  | <p>Only suitable and preventative maintenance performed by the competent service personnel in accordance with the technical instructions provided by Lifting Italia S.r.l., can provide safe functioning of the lifting platform. The lifting platform owner must operate the lifting platform in accordance with safe operating conditions. For this, the lifting platform owner must use the maintenance service.</p> <p>The lifting platform maintenance must be performed in accordance with the Maintenance manual of the vertical lifting platform, and the national legislation of the country in which the lifting platform is operated.</p> <p>It is necessary to ensure that the periodic maintenance of the lifting platform is performed at least every three months after the lifting platform is put into operation.</p> |
|---|--|

| WARNING | |
|---|---|
|  | <p>The lifting platform owner must discontinue the operation of the lifting platform in the event of a dangerous situation (e. g. in case of strange noises or interrupted ride, etc.).</p> <p>In case of lifting platform failures, in particular, the failures that affect the safety of passengers, the operation of the lifting platform is prohibited.</p> <p>The lifting platform owner must ensure that in case of failures the lifting platform is disconnected and passengers cannot use it.</p> |

| CAUTION | |
|---|--|
|  | <p>The lifting platform owner must inform the lifting platform maintenance service:</p> <ul style="list-style-type: none"> • immediately, upon noticing any incorrect operation of the lifting platform, failure or abnormal change in its immediate environment; • immediately, about the termination of operation of the lifting platform in the event of a dangerous situation; • after intervention of any authorized and trained person (s) of the rescue service; • before any modification relating to the use of the lifting platform, and (or) its environment; • before any sanctioned third-party verification or work, other than the ongoing maintenance of the lifting platform; • prior to long-term termination of operation of the lifting platform; • before returning the lifting platform to service after a long period of inactivity. |

| NOTICE | |
|---|---|
|  | <p>EN: Translation of the original instructions</p> <p>This product may only be commissioned if these operating instructions are available to you in an official EU language that you understand and you have understood the contents. If this is not the case, please contact your Lifting Italia S.r.l. contact partner.</p> |

The lifting platform owner must ensure the availability of the maintenance service name and telephone number for the lifting platform passenger at all times.

Checking whether the maintenance service name and phone number are indicated on the platform.

The number must be permanently affixed and clearly visible.

CAUTION



The lifting platform owner must ensure that the keys to the machine cabinet, stop-landing doors are always available in the building and for the maintenance service to authorized persons.

The lifting platform owner must take care that the maintenance service, participating in the rescue of passengers, under any circumstances can safely enter the building and have access to the lifting platform.

The lifting platform owner must provide the competent staff of the maintenance service the safe and free access to the operational areas and notify the maintenance service of any hazards or changes in the entrances to the operational and (or) entrance walkways.

- Lifting Italia S.r.l. declines all responsibility for any direct or indirect damage caused by operational errors, lack of professional maintenance and any other use not described in this manual.
- Lifting Italia S.r.l. declines all responsibility even in the event that modifications of any kind should be made to the machine without the prior written consent of Lifting Italia S.r.l.

3. Lift employment and operation

Under normal operating conditions, the lifting platform can perform platform ascent and descent operations only following the constant and maintained pressure of a manoeuvring button located in the platform control panel (operator-presence control).

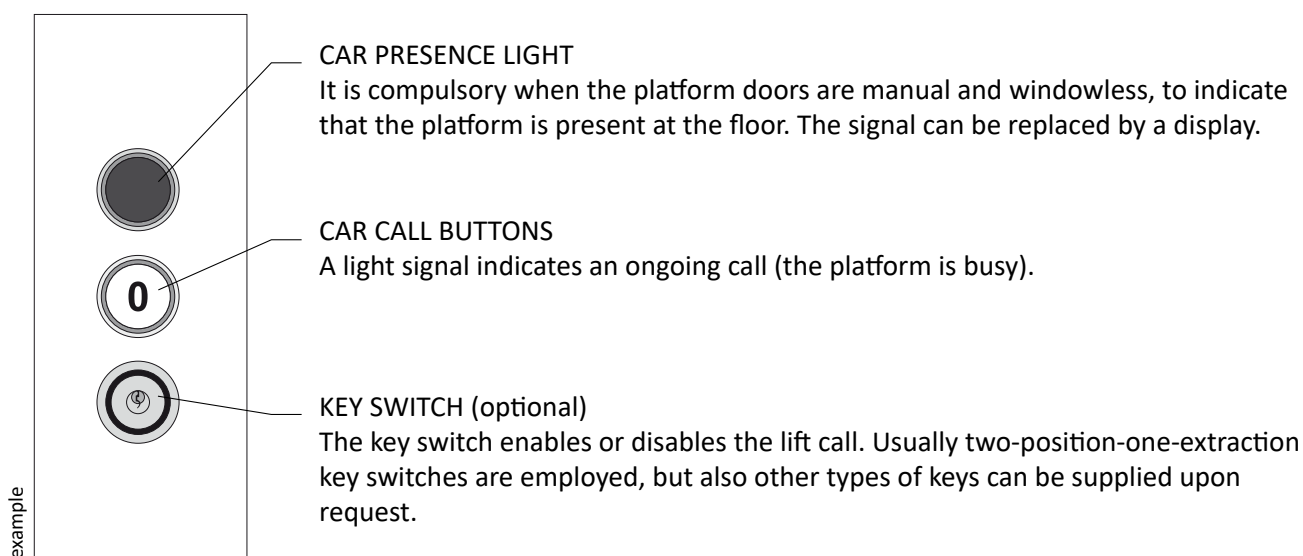
Landing operation: the platform is called to a floor by means of a single pressing of the LOP buttons (automatic manoeuvring). There fore, the commands are effected from landing operation panels (see paragraph “3.01”) and platform operation panels (see paragraph “3.02”).



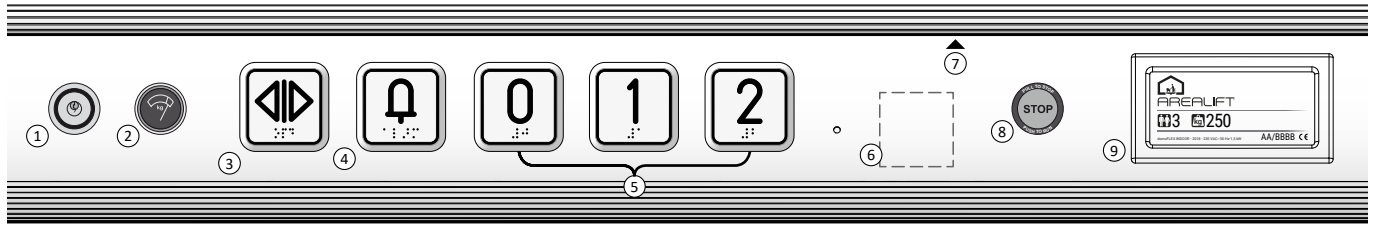
In case of remote control device, all platform switches are actioned just by remote control device

3.01. Landing operation panels

The landing operation panels are mainly equipped with:



3.02. Platform operation panel



example

The platform operation panel is equipped with:

1. **KEY SWITCH (optional)**
It has the purpose to enable or disable the call locally. Two-positions- one extraction key-operated switches are normally used, but other types can be supplied on request.
2. **OVERLOAD SIGNALING IN THE CAR**
If on, it indicates that the nominal load of the platform has been exceeded. The platform returns to normal operation only after the overload has been removed from the car: at this stage the signal in the platform goes out.
3. **DOOR OPEN BUTTON**
In case of automatic landing doors, both swing and sliding type.
4. **ALARM BUTTON**
By pressing the alarm button the siren emits the alarm sound.
5. **CAR OPERATION BUTTONS**
They are equipped with a light signal that indicates the position of the platform in the shaft.
6. **BIDIRECTIONAL COMMUNICATION DEVICE (optional)**
If the constant monitoring of the platform is guaranteed, it will be possible to replace the bidirectional communication device (remote assistance) with an intercom system. "Constant monitoring of the platform" means that, during the periods of use of the lifting platform, the owner ensures that a person, trained and enabled to perform the emergency lowering operation, is always available to attend the intercom connected to the inside of the platform.
7. **EMERGENCY LIGHT**
In the event of a blackout, a light located on the platform plate lights up.
8. **STOP BUTTON IN THE CAR**
Of "press" type and red color, it interrupts any operation when it is pressed and remains locked until it is voluntarily restored.
9. **CABIN PLATE**
Indicates platform number, capacity, people, voltage and power.

On the landing door opening, the platform lighting turns on automatically and remains on as long as the door remains open or all through the ongoing operation. The platform lighting is temporized as the "busy" signal: in the absence of the operation, the platform lighting turns off within 5 seconds after the landing door closure.

3.03. Operation from landing operation panels

If no light signal is present, a platform call can be made from the landing panel. Press the button; in the presence of a key switch, make sure that the key enables the command. The collar of the button will be backlit to indicate that the platform is moving: each of the landing operation panels will display the same signal. Upon the platform arrival, the “present” light will turn on and the “busy” light will turn off after 5 seconds.

It is not possible to command the lift while the “busy” signal is on.

With the platform present at the floor and the door unblocked, it will be possible to enter the platform (the automatic doors open by themselves). On the door opening, the “busy” signal will be activated for all the floors, to indicate the presence of an open door. This signal will turn off 5 seconds after the door closure.

3.04. Operation from the control panel on the platform

In case of MANUAL LANDING DOORS:

Upon the door opening, the “busy” landing signal and the platform lighting will be activated immediately (located above the COP or on the top of the shaft).

In case of AUTOMATIC LANDING DOORS:

Upon pressing the LOP button the “busy” landing signal and the platform lighting will be activated immediately.

As soon as the landing and platform doors have been closed, the lift can be commanded again, by pressing and holding the required button; on leaving the floor, the “present” signal on the related landing panel will turn off.

3.05. Blackout emergency operation

The platform lift is equipped with an emergency circuit which maintains the power supply by means of batteries, in case of blackouts. In such situations:

- the emergency platform lighting is activated instead of the normal lighting;
- all the operation buttons activate only the descent to the lowest stop (whichever button is pressed);
- as soon as the lowest floor has been reached, the lift stops and cannot be used until the normal power supply is back.

NOTICE



Should the blackout persist for more than an hour, the batteries efficiency should be checked.

In the event of a prolonged power failure and system shutdown, after the mains voltage returns, the platform will automatically position itself on the lowest floor.

After this operation, the lift will resume the normal function.

3.06. Emergency stop

Should any emergency situation occur, by pressing the STOP button the platform will stop and the lift will be blocked; this operation also activates all the “busy” signals on landing panels.

The user can press the Alarm button to ask for assistance.

To reactivate the normal operation mode, it is sufficient to rotate it the direction indicated by the arrow (as soon as the possible reasons of the emergency situation have been identified).




The instructions to be followed are indicated on the adhesive plate beside the platform operating panel

3.07. Lift overload

The platform lift is designed to bear the maximum nominal load in relation to the platform free surface. Exceeding this value may lead to serious risks for the users and operators' safety and cause damages.

To prevent such situations, an overload device is foreseen on the system. In case of intervention, both light and acoustic signals are activated on the COP, and any platform operation is impossible until the overload has been removed.


The overload removal reactivates the normal operation automatically.

| CAUTION | |
|---|---|
|  | <p>Always respect the nominal capacity indicated on the platform plate.</p> <p>Failure to comply with the instructions can cause injury to people and damage to the platform lift.</p> |

3.08. Emergency descent operation

The following instructions describe the emergency procedure, to be effected whenever the platform is blocked between two floors (also with passengers inside) due to reasons that cannot be verified not fixed immediately. In such cases the platform must be brought to the lower floor by means of the manual emergency operation.

The following instructions, besides being included in this manual, are also located near the SB-MEM button located inside the electrical panel for emergency descent.

| CAUTION | |
|---|---|
|  | <p>The emergency operation must be carried out by adequately qualified and trained personnel.</p> |



1. Make sure that all the landing doors are closed;
2. Make sure that no one is present inside the car: should anyone be present, assure the passengers and recommend that they stay away from the platform entrances;
3. Identify the platform position;
4. Switch off the power supply by operating the main switch located upstream of the electrical panel (general switch of the building);
5. Open the door with the writing "Emergency descent" and press the SB-MEM button until the platform has reached the lowest floor level (the warning light identifying the HL-PIA stop lights up);
6. Evacuate the car;
7. Make sure that all the landing doors are closed;
8. Put the lift out of service;
9. Notify the maintenance company.

3.09. Lift failure

Should the lift not respond further user's commands after a normal stop, check if the landing door is closed correctly and no "busy" signal on the LOP's (or emergency signal inside the car) is present. If, notwithstanding the tests, the lift does not respond the commands, especially if the platform is misaligned with respect to the floor level, then the maintenance company is to be notified, since a technical intervention is required.

3.10. Teleassistance (recommended option)

To activate the communication inside the car, press the "bell" button inside the S.O.S. plate, hold it for some seconds until the assistance center answers the call.

Now, it is possible to speak to an ordinary phone.

3.11. Switching off the lift

Before switching off the lift, make sure that the platform is stationary at the lowest floor (so the lift will be re-phased upon the next switching on).

Then, open the power supply circuit and disconnect the power supply.

CAUTION



Before switching off the lift, make sure that the platform is stationary at the lowest floor.

3.12. Maintenance and cleaning performed by the user

The user must verify the following conditions with the recommended frequency.

DAILY OPERATIONS

- COP and LOP buttons integrity and function;
- absence of obstacles which may obstruct correct door closure and lock-off;
- effective door lock-off at the stops where the platform is not present;
- control board key-lock.

WEEKLY OPERATIONS

- battery efficiency and emergency descent in case of blackout. For this purpose, generate a blackout using the main power supply switch: **do not use the driving force main switch (located after the main power supply switch), otherwise the batteries will be disabled as well.**
Check the platform lighting, platform descent using normal operation buttons and platform emergency siren. Upon the power reactivation, the platform will be ready for use.

For ordinary cleaning (platform, doors, buttons etc.) do not use sponges or abrasive cleaners, perfumed solvents or alcohol, just a soft damp cloth and neutral soap are necessary.
In case of satinized surfaces, always follow the direction of the finish.



Pay attention to water inlet inside the shaft.

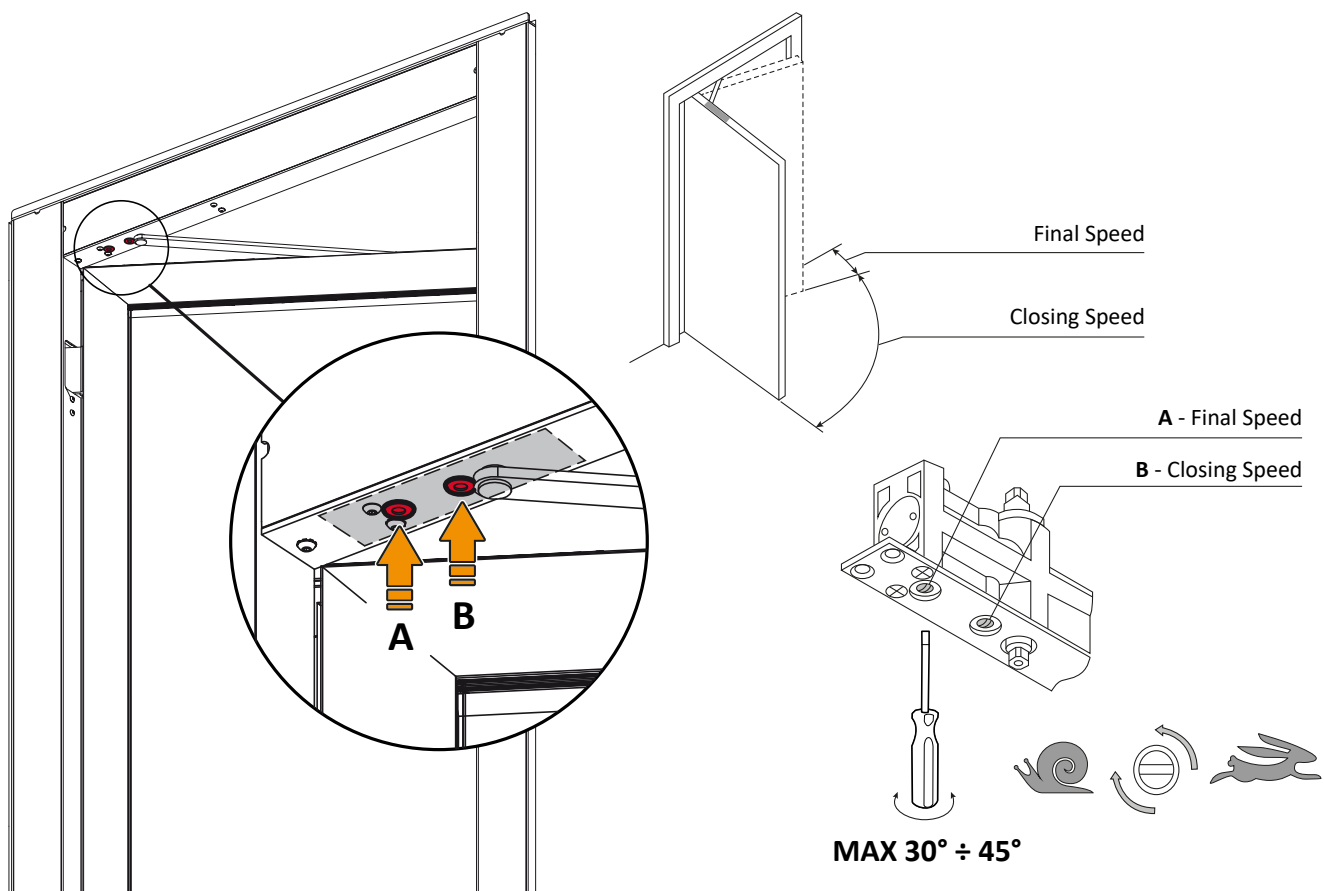
4. “LINE” floor door maintenance - Manual door closer

NOTICE




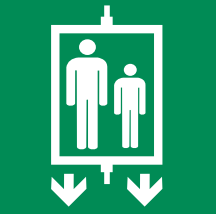



ADJUSTING THE CLOSING SPEED AND THE FORCE OF THE FINAL STROKE. Usually performed using special screws, **ARE IMPORTANT**, both to adapt perfectly the action of the door-closer to the weight of the door on which it is applied, and to ensure effective operation in all seasons. The viscosity of the internal oil actually changes in relation to the external temperature. **THE ACTION OF THE DOOR-CLOSER IS THEREFORE SUBJECT TO NATURAL SEASONAL VARIATIONS THAT MAY REQUIRE MINOR PERIODIC ADJUSTMENTS**, in order to maintain the effectiveness of the mechanism. The door-closer has 2 different adjustments: the closing speed and the force of the end stroke that is used to overcome the lock latch resistance at the time of closing.

- Adjust the force of the end stroke and then the **Final Speed** according to the weight of the door by rotating screw A no greater than $30^\circ \div 45^\circ$.
- Adjust and periodically check the **Closing Speed** by rotating screw B no greater than $30^\circ \div 45^\circ$.



5. Labels: pictograms and text warnings

| PICTOGRAMS | TEXT (WITH EXPLANATION) |
|---|--|
|  | <p>DO NOT USE THE PLATFORM IN CASE OF FIRE <i>This label warns that the use of the lifting platform is prohibited in the event of a fire.</i></p> <p>All landings/accesses of the platform must have a securely-fixed prohibition sign. The pictogram should be at least 50 mm in diameter.</p> |
|  | <p>WARNING ELECTRICITY <i>This label warns of the risk of electrocution.</i></p> <p>Always disconnect the safety switches (set to OFF) before carrying out any service that requires access to electrical parts (authorized personnel only).</p> |
|  | <p>CRUSHING OF BODY HAZARD <i>This label warns of the risk of crushing.</i></p> <p>Apply the label in the machine compartment, near the emergency devices and in the areas under the platform. Set the platform mechanical stop system to the maintenance position before entering the machine compartment.</p> |
|  | <p>EMERGENCY DESCENT <i>This signal indicates where the emergency descent instructions are located.</i></p> <p>Emergency descent instructions (to free passengers safely and correctly) are located inside the machine compartment (authorized personnel only).</p> |
|  | <p>INTERNATIONAL SYMBOL OF ACCESSIBILITY <i>This symbol indicates that the lifting platform is designed for the transport of passengers in wheelchairs and/or with reduced mobility, with or without a companion.</i></p> <p>When lifting platforms are used in public buildings, each landing/access point to the platform must have an international symbol of accessibility. The height of the pictogram should be at least 50 mm.</p> |



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