**LIFTING ITALIA S.r.l.**
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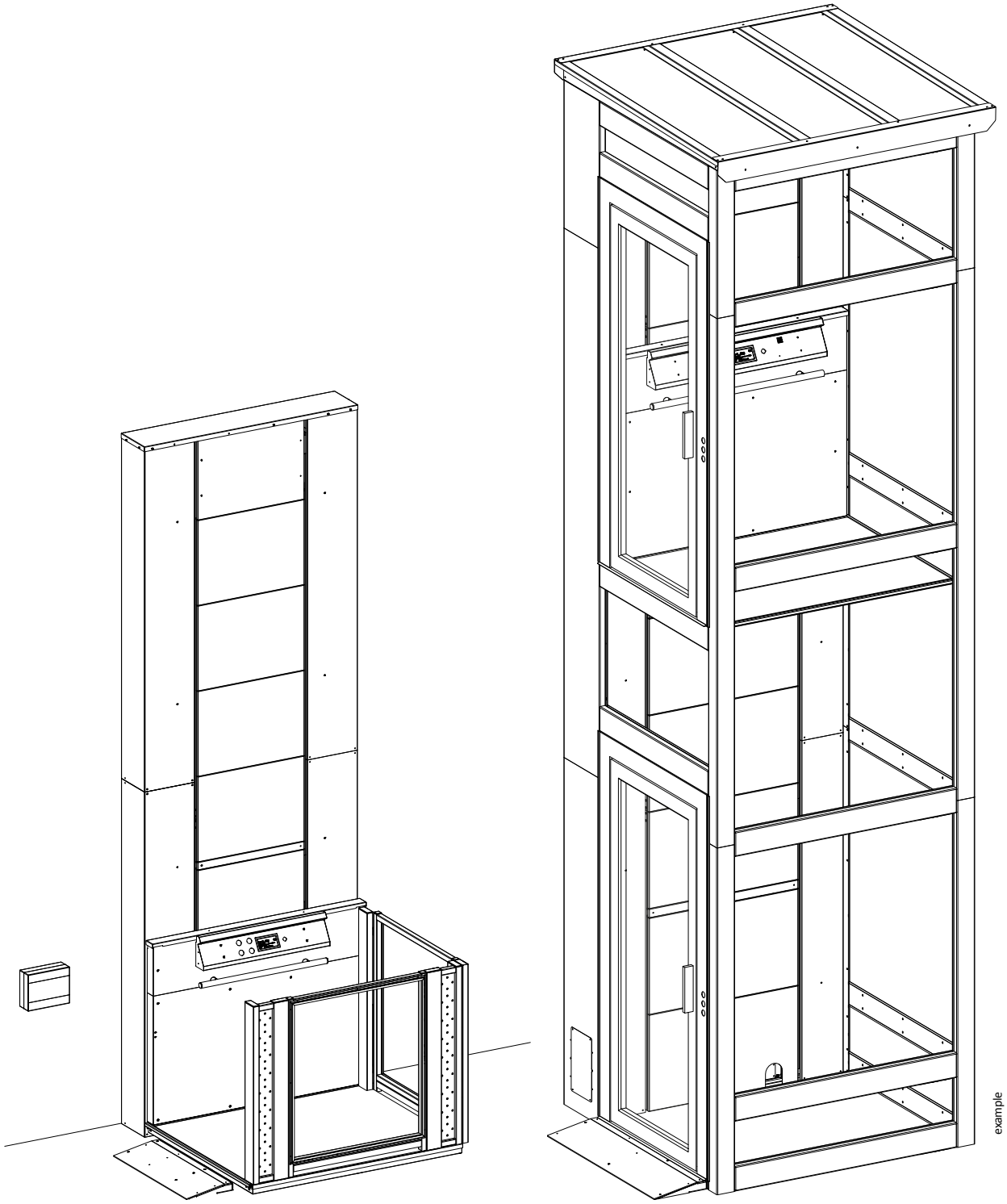
# domoFLEX

Screw-driven lifting platform




## USER'S MANUAL

As far as the following items are concerned : general instructions, safety instructions, responsibility and warranty, material receiving and storage on site, packing, waste disposal, cleaning and maintenance, please consult the manual "**SAFETY AND MATERIAL HANDLING ON SITE**".

## INDEX



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| 2 | General update, door setting added | 18.09.2017 |
| 1 | Correct misprint p.7 | 10.03.2017 |
| *Rev.* | *Descrizione* | *Data* |

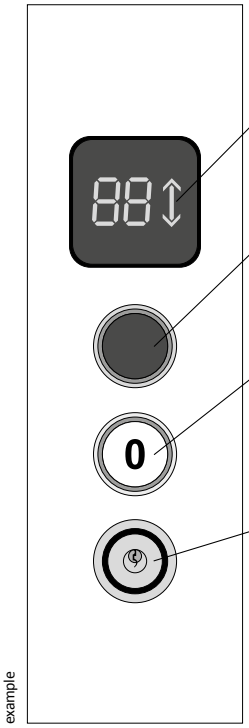
# 1 LIFT EMPLOYMENT AND OPERATION

## 1.1 NORMAL OPERATION MODE

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

Landing operation: the car 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 (paragraph 1.1.1) and car operation panels (paragraph 1.1.2).

### 1.1.1 LANDING OPERATION PANELS




example

The landing operation panels are mainly equipped with:

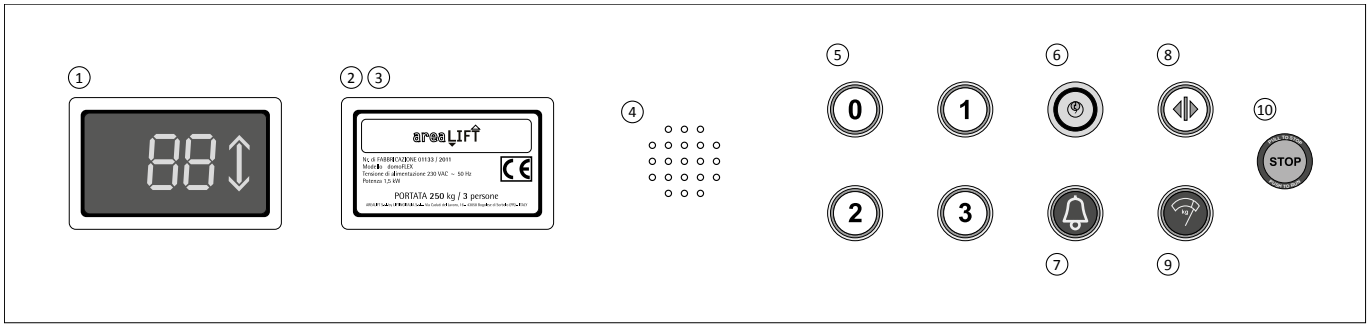
DISPLAY (optional)
Indicates the position and the direction of the car.

CAR CALL BUTTONS (optional)
a light signal indicates an ongoing call (the car is busy).

CAR PRESENCE LIGHT
It is compulsory when the car doors are manual and windowless, to indicate that the car is present at the floor. The signal can be replaced by a display.

KEY SWITCH (optional)
The key switch enables or disables the lift call. Usually two-position-one-extraction key switches are employed, but also other types of keys can be supplied upon request.

### 1.1.2 CAR OPERATION PANEL




example

The car operation panel is equipped with:

1. DISPLAY (optional)
   Indicates the position and the direction of the car.

2. CAR PLATE
   Indicates the job number, load, nr. of passengers, tension and power.

3. EMERGENCY LIGHT
   In case of a blackout an emergency light is activated beside the plate.

4. TWO-WAY COMMUNICATION DEVICE (TELE-ASSISTANCE) (optional)
   The two-way communication device can be replaced with an interphone, whenever a constant monitoring service is provided.

5. COP BUTTONS
   The buttons are backlit to indicate the car position.

6. KEY SWITCH (optional)
   The key switch enables or disables the lift call. Usually two-position-one-extraction key switches are employed, but also other types of keys can be supplied upon request.

7. ALARM BUTTON
   The button pressing activates the acoustic alarm signal.

8. DOOR OPENING BUTTON
   Whevever automatic landing doors are present (either sliding or swing doors).

9. OVERLOAD SIGNAL
   The active signal indicates that the nominal load has been exceeded. Upon getting back to the normal load, the lift returns to the normal operation mode and the overload signal goes off.

10. STOP BUTTON
    When pressed, this red airtight button interrupts any ongoing operation and remains pressed, until somebody releases it on purpose.

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

### 1.1.3 OPERATION FROM LANDING OPERATION PANELS

The backlight of the lift call button indicates that the car is present at the floor, the door is unblocked and can be opened (the automatic door opens by itself).
If no light signal is present, a car 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 central part of the button will be backlit to indicate that the car is moving: each of the landing operation panels will display the same signal. Upon the car 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 car present at the floor and the door unblocked, it will be possible to enter the car (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.

### 1.1.4 OPERATION FROM COP (car WITHOUT doors)

In case of MANUAL LANDING DOORS:
Upon the door opening, the "busy" landing signal and the car 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 car lighting will be activated immediately.

As soon as the landing and car 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.

## 1.2 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 car 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.

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

Should the emergency descent not be completed upon the first call effected after the power reactivation, the car will go to the lowest floor to return to the initial position. After this operation, the lift will resume the normal function.

## 1.3 EMERGENCY STOP (without car doors)

Shoud any emergency situation occur, by pressing the STOP button the car 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 COP.

## 1.4 LIFT OVERLOAD

The platform lift is designed to bear the maximum nominal load in relation to the car 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 car operation is impossible until the overload has been removed.
The overload removal reactivates the normal operation automatically.

The nominal load indicated on the car plate must always be respected.

## 1.5 EMERGENCY DESCENT OPERATION

The folowing instructions describe the emergency procedure, to be effected whenever the car is blocked between two floors (also with passengers inside) due to reasons that cannot be verified not fixed immediately. In such cases the car 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 DOWN EMERGENCY button located inside the electrical panel for emergency descent.

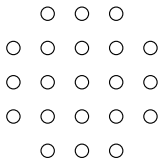
The emergency operation must be carried out by adequately qualified and trained personnel.

1. Make sure that all the landing doors are closed;
2. Make sure that noone is present inside the car: should anyone be present, assure the passengers and recommend that they stay away from the car entrances;
3. Identify the car 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 DOWN EMERGENCY button until the car has reached the lowest floor level (the warning light identifying the DOOR ZONE 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.

## 1.6 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 car is misaligned with respect to the floor level, then the maintenance company is to be notified, since a technical intervention is required.

## 1.7 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.

## 1.8 SWITCHING OFF THE LIFT

Before switching off the lift, make sure that the car 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.

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

## 1.9 MAINTENANCE AND CLEANING

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 car is not present;
- control board key-lock.

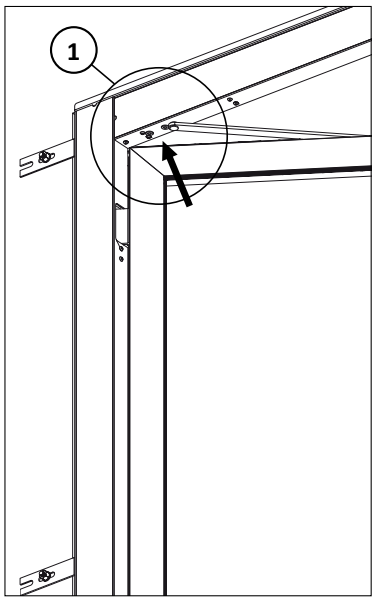
**Weekly operations.**
- battery efficiency and emergency descent in case of blackout. For this purpose, generate a blackout using the main power supply switch: **do not use the driving force main switch (located after the main power supply switch), otherwise the batteries will be disabled as well.**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

For ordinary cleaning (car, 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.

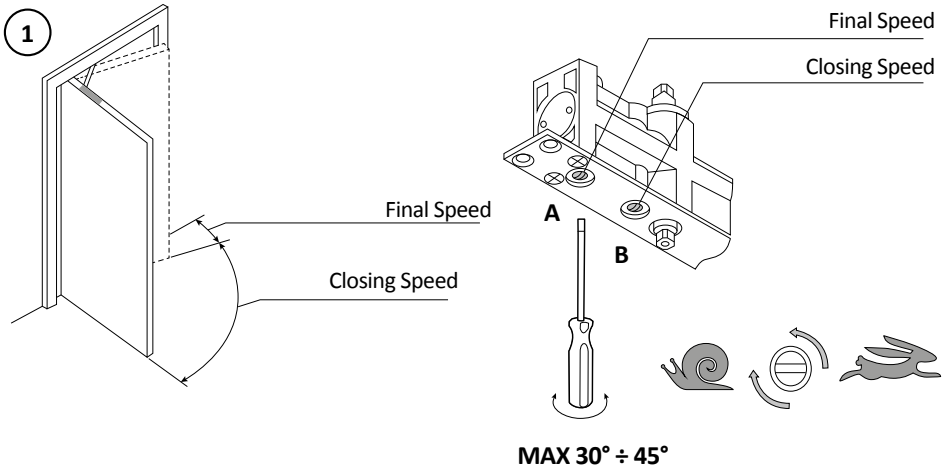
Pay attention to water inlet inside the shaft.

## 1.10 LUMIERE FLOOR DOOR MAINTENANCE - MANUAL DOOR CLOSER

**ADJUSTING THE CLOSING SPEED AND THE FORCE OF THE FINAL STROKE**, which are 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 Acceleration Speed according to the weight of the door by rotating screw A no greater than 30°÷45°.
- Adjust and periodically check the Closing Speed by rotating screw B no greater than 30°÷45°.




**MAX 30° ÷ 45°**