

Level

Repair and
maintenance
manual

Level

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0. INTRODUCTION

0.1 NOTES FOR SAFETY

Although the controllers are provided with the necessary protection under consideration of every kind of safety , it is not possible to exclude breakdowns. Below we listed some possible causes of the breakdown for your reference:

- Cutting edges and delicate components ! When hand carrying of parts of no packing, hold them laterally. Touching the lower part or those made of metal could do damages on the components and could hurt yourselves.
- When power is ON, the interior of the controller and its terminals are under voltage. Touching the components may be fatal ! Never insert long objects (screw drivers, pens...etc.) in the controller from bottom or from top while it is in use.
- It risks damaging the controller if it is not fixed steadily in vertical position. It must be installed onto the wall where should be verified to be with appropriate capacity to support the load of the controller. Do not let the controller stand, because it could fall forward .
- The tension of current is dangerous even after it is disconnected from the main power supply ! The components in the controller are under voltage which will last about 3 minutes after disconnection from the main power supply. Wait for this time before opening the cover. Never use the controller with its cover open.
- The controllers are in conformity with European Electro-magnetic Compatibility **CE**
89/336/EEC .

0.1 COPYRIGHT

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1. MAINTENANCE INSTRUCTIONS

1.1 PREMISE

Level is designed to reduce the necessity of periodical maintenance to the minimal in order to maintain the low cost of the product without compromise the safety. **Level** is built with materials of high quality ; all its safety components are certified in accordance with actual provisions and the complete unit of **Level** is certified according to Machinery Directive 98/37/EC. Such assures the reliability of the product and guarantee safety of the users.

In addition to the actual provisions which require a periodical visit on the installation every two years by skilled personnel for a perfect functioning of the safety components and a good functioning of the platform lift **Level**. We propose to follow the maintenance of the platform lifts according to the following procedure: The first part of the procedure relates to the maintenance to be taken care by the user, while the second part refers to the maintenance which should be carried out by the specialists who are ready to offer competitive cost and guarantee the maximal function and reliability of our **Level** all the time. .

1.2 DESCRIPTION OF LIFT FUNCTIONING

Landing push button stations + key switch: provided for all landings, with call button and “car present” indicator.

Indicators : depending on the configurations; for example: green indicator for “car present”, red indicator for “car in use” or “car arrival”.

Car push button station + key switch: depending on the configurations; in standard “constant pressure push button control”: the car travels when the push button is pressed and it stops when the pressure is released from the button. A key switch is placed near the car push button station, which activates the function of the platform lift: with the key switch ON, the landing calls will be excluded so the passenger in the cabin has the priority of movement.

Stop button: placed near the car push button station to be used only in case of emergency. For restoring the function of **Level** , rotate the stop button to its original position.

Landing doors: closed with a mechanical lock when cabin is not present at floor. When landing door is not closed, the mechanical lock will not operate, and consequently the relative safety switch will prevent the lift from starting.

1.3 EMERGENCY CONTROL

Following is the Emergency Control in case that the lift stops between floors with passengers trapped inside the lift car due to power failure or other reason. The instructions are also placed near the pump unit.

EMERGENCY MANUAL CONTROL

In case that lift car were trapped between two floors for problem which could not be solved immediately (power failure, valve melt or breakdown of electrical system...etc.). It is necessary to bring the lift car to the nearest floor through manual control . To follow the steps listed below :

1. TURN OFF THE POWER SUPPLY through the main power supply switch.
2. TURN THE SPECIFIC DRIVING HANDLE marked with red color ON THE PUMP UNIT until the lift car arrives at floor.
3. RELEASE THE HANDLE and make sure that it returns to its “at rest” position.
4. CHECK IMMEDIATELY ON ALL THE LANDING DOORS, MAKING SURE THAT THE DOORS, EXCEPT THE ONE IN FRONT OF THE LIFT CAR, CANNOT BE OPENED BY ANY MEANS.
5. INFORM THE LIFT MANUFACTURER.
6. IN CASE THAT LIFT STOPS FOR TOO LONG (exceeds 14 hours), THE CABIN MUST BE BROUGHT TO THE BOTTOM FLOOR AND ALL THE LANDING DOORS MUST BE CHECKED (as per step 4).

1.4 MAINTENANCE

PERIODICAL CARE AND MAINTENANCE CARRIED OUT BY THE USER

- a) Control periodically (once per week) whether the Automatic Rescue Device works properly: which means to simulate power failure by turning off the main power supply switch and to verify the functioning of the device. Such action allows the user to verify the correct functioning of the emergency battery that feeds the ARD and the emergency light.
- b) If the lift car is found stopped between two floors not responding to any calls of car buttons/landing buttons/up direction/down direction, it is possible to bring it back to the bottom floor by operating the safety valve inside the valves group of the pump unit. **Following carefully the instructions placed near the pump unit.**
- c) If the levelling of the lift car is more than 20mm above the landing, please contact the maintenance company who shall adjust the levelling of landings through the records of the electro-valves of the pump unit.

2. PERIODICAL CHECK FORM

PERIODICAL MAINTENANCE TABLE								
Maker's No.	Interval : six-monthly							
Site :								
Action	1st visit	data	2nd visit	data	3rd visit	data	4th visit	data
Pit cleaning								
Oil leaking control								
Oil level control								
Checking on car safety gears								
Checking of landing door locks								
Checking of piston valve								
Adjustment of pump unit valves (if necessary)								
Checking of safety circuit								
Checking of emergency battery								