HMI DISPLAY – OPERATION MANUAL

This manual refers exclusively to the following versions of the Software:
Software PLC: InDomo_PLC_00_2015_03_31 Date: 20/04/2015
Software HMI: Piattaforme_HMI_00_2014-02-27 Author: Stefano Soliani

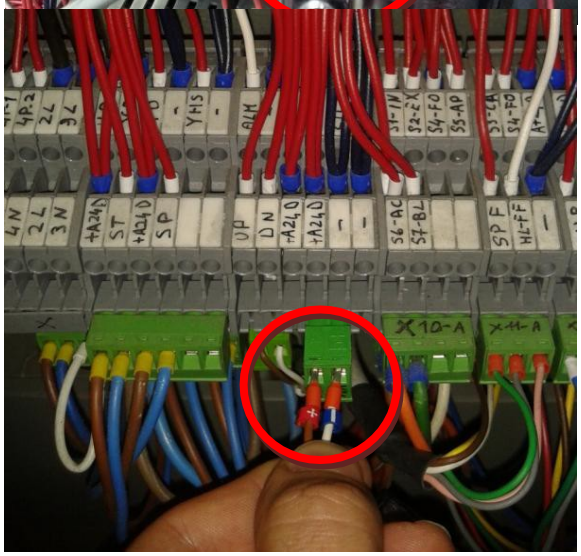
1. HMI - PLC CONNECTION

a. Push QF-24 to cut the voltage of the PLC.

b. Remove RS232 from the PLC.
If the port on the left is already used, plug the interface board supplied into the port on the right.

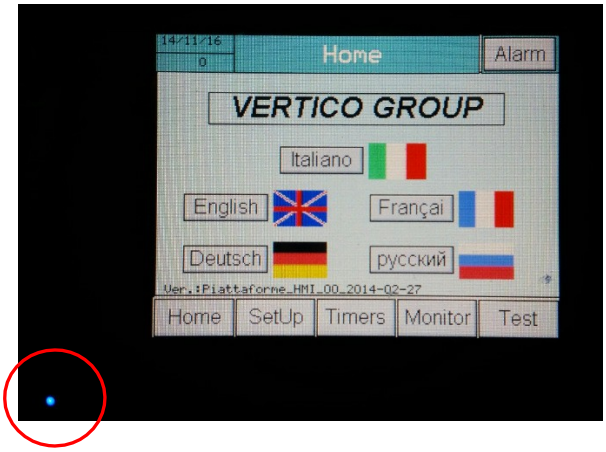
c. Connect the HMI-PLC communication cable.

d. Connect the prewired power cord of the tool



e. Power on by pushing QF-24.

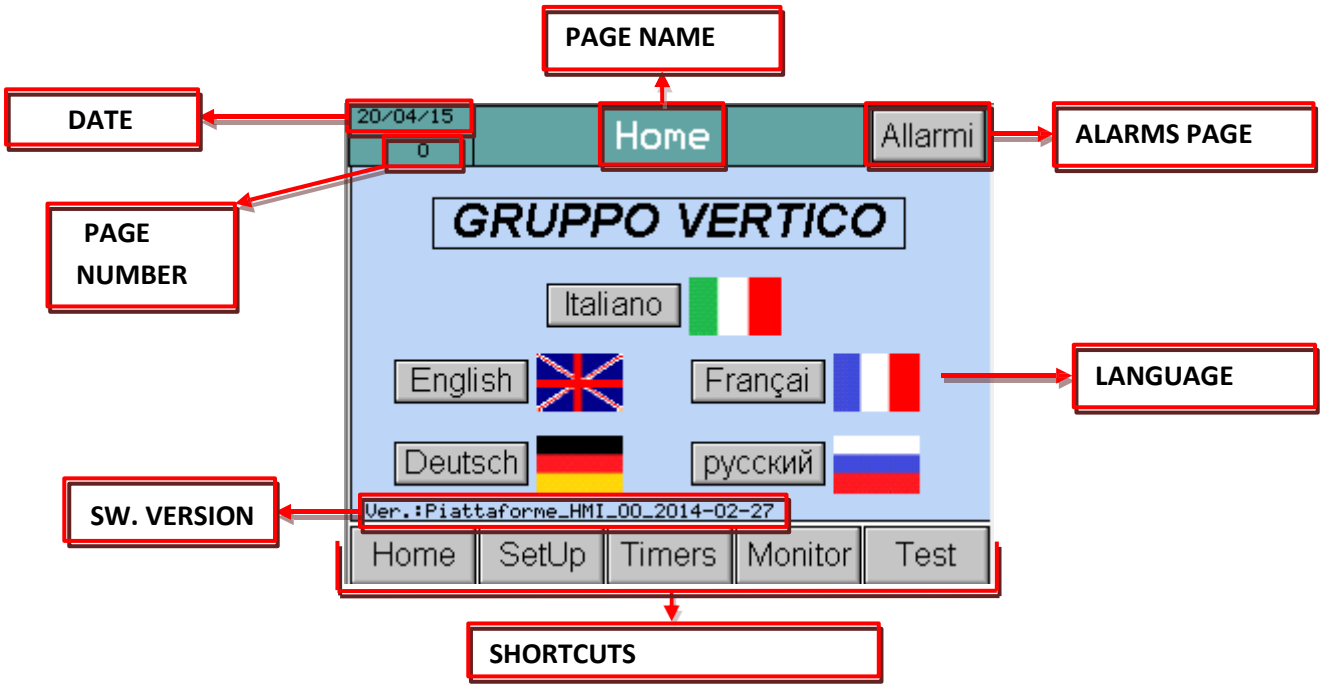
f. After a few seconds the process is completed, a steady blue led (RUN) turns on as shown.



ATTENTION: LIFTINGITALIA disclaims any liability deriving from an improper use of the device which could affect its conformity to existing rules.

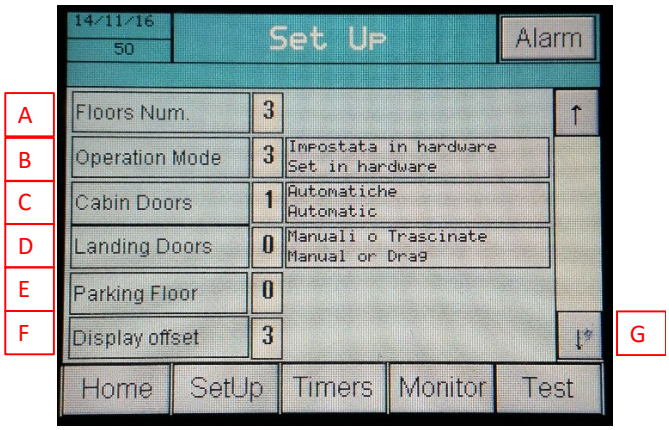
2. PAGES DESCRIPTION

2.1 Home – Page 0



2.2 Setup – Page 50

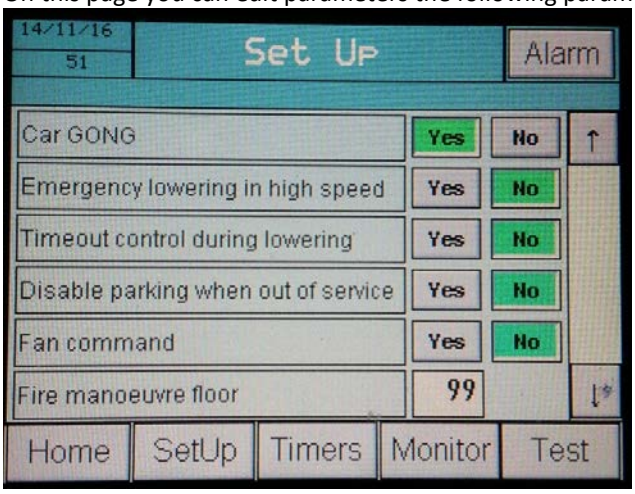
Change parameters by tapping on numbers.



a. Set the number of landings
b. Type of operation:
   1 = Automatic ; 2 = Hold to run + Automatic on landings;
   If plug 1.10 of the PLC is connected to the 24v, such operations do not have any effect
   (Always AUT)
c. Car doors:
   \\0 = Manual ; 1 = Automatic
d. Landing doors:
   0 = Manual/Drag ; 1 = Automatic
e. Choose the stopping floor
f. Set the lowest floor (0 on Display = -3 on the lift; 3 on Display = 0 on the lift, and so on)
g. Tap on "↓" to scroll to the next page.

2.3 Setup – page 51

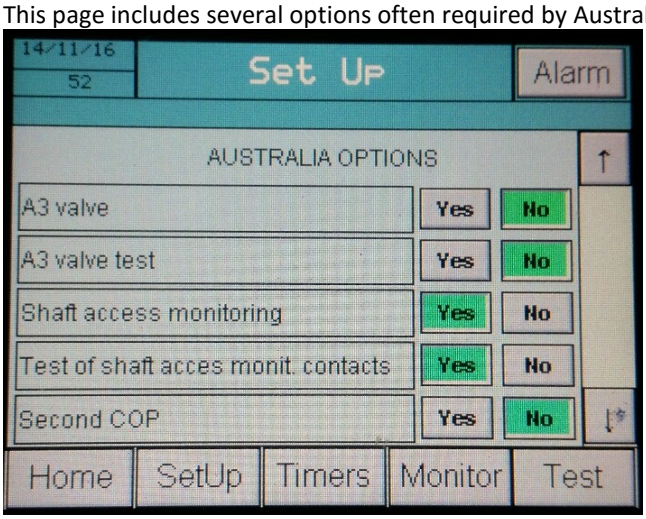
On this page you can edit parameters the following parameters of the lift:



Car GONG Acoustic Signal: Activate/Disable Car GONG acoustic signal **HS Emergency Lowering**: Activate/Disable HS during emergency operation
Time Limit for Lowering: Activate/Disable Time limit for lowering before alarm activation
Disable Stop if Out of Service: Disable/Activate parking if out of service
Fan Setting: Activate/Disable Car Fan (if any)
Fire-fighting Operation: Choose the landing to reach in case of fire operation.

2.4 Setup – Page 52 "Options Australia"

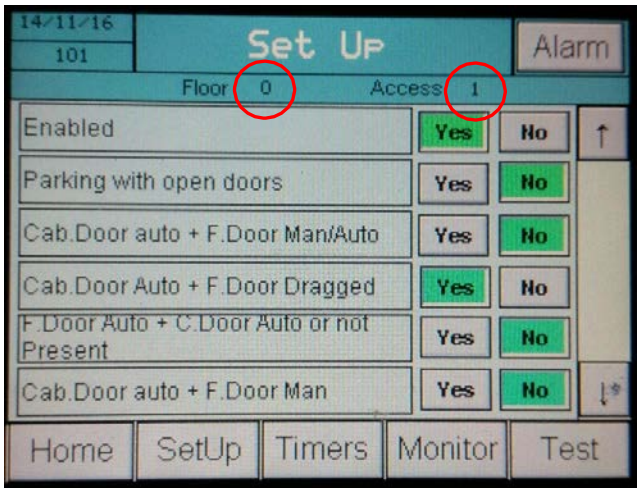
This page includes several options often required by Australian clients:



Valve A3: Activate/Disable lowering valve for Amendment A3
Valve A3 Test: Activate/Disable valve A3 test
Shaft Access Control: Contacts Reading for Doors with access to the shaft
Shaft Access Contacts Test: Activation of safety contacts control
Second COP: Activate/Disable Push buttons of second COP

2.5 Setup – Pages 101 e 102

There is one of the following pages for each floor. The red-circled numbers refer to the related floor and access



Activated: Activate/Disable selected floor and entrance
Open Doors Stop: Activate/Disable open doors stop
Auto Car Doors + Auto/Man. Landing Doors:
Auto Car Doors + Sliding Doors:
Auto Landing Doors + Auto Car Doors or absent:
Manual Landing Doors + Auto Car Doors:

} **Possible car-landing doors combinations**

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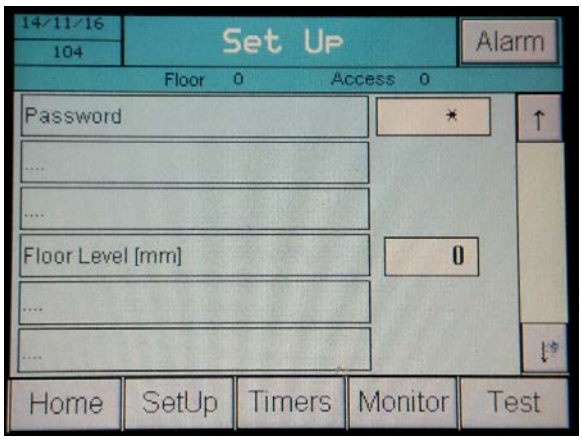
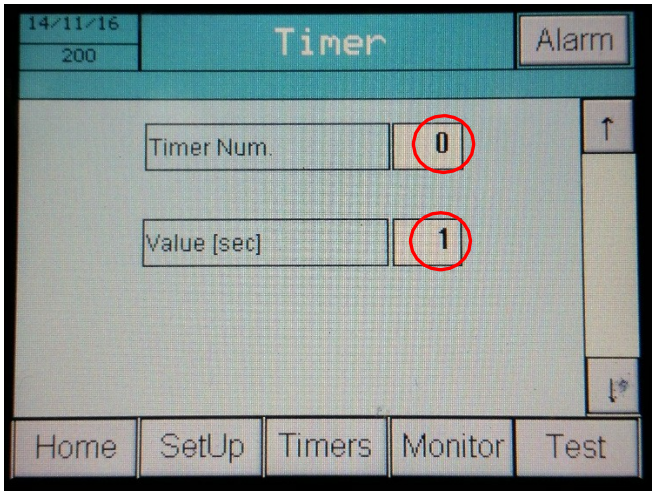
2.6 Setup – Page 104



Password setting for cabin calls:

For each cabin calls is possible to set a password, to protect a stranger people access. To enable the cabin calls press open-pushbutton in the same time insert the number combination by cabin pushbutton. The cabin calls be enable for 10 seconds.

2.7 Timers – Page 200

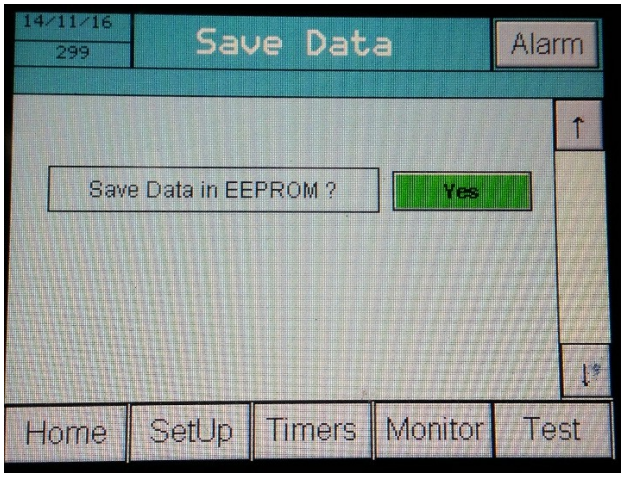


Number timer: allows you to select the timer to be set. By clicking on the white area, a window will open where you can enter the number of the timer.

Value [sec]: by clicking on the white area, a window will open, where you can type the value to be assigned to the timer selected previously. The value will be expressed in seconds.

Timers legenda at pag. 11/13

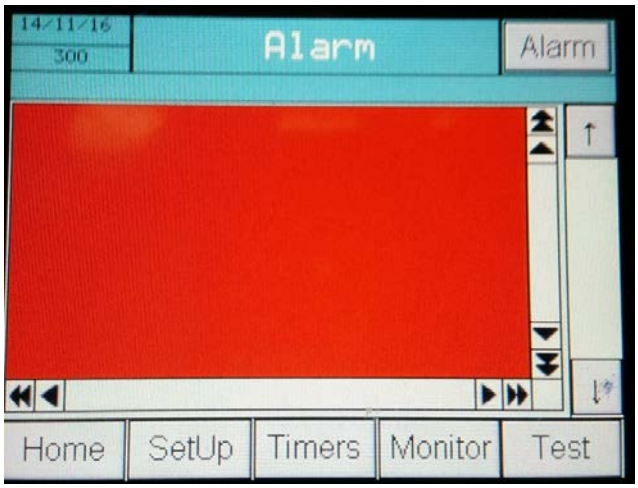
2.8 Salvataggio Dati – Pag. 299



Save data to EEPROM?:

Click "Yes" to save your changes on the EEPROM.
Wait a few seconds, switch power off and then back on using QF24 and verify that the changes have been properly stored.

2.1 2.9 Allarms present – Pag. 300



Alarms:

Here the active alarms on the machine are reported.

This page can be scrolled with the single arrow. The double arrow brings the page all the way down.

2.1 2.10 History allarms – Pag. 301

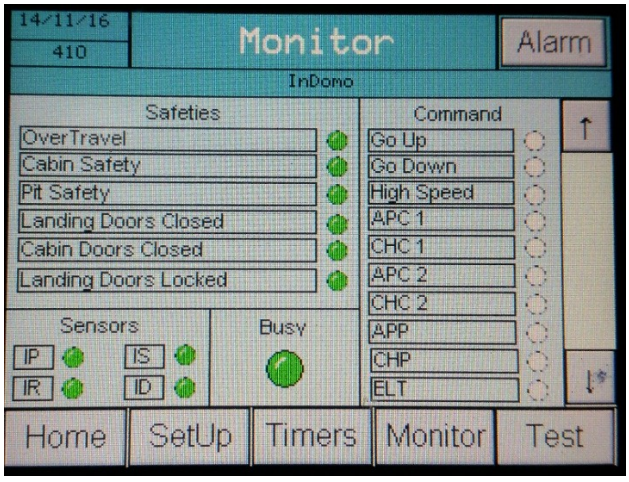
Alarm Log:

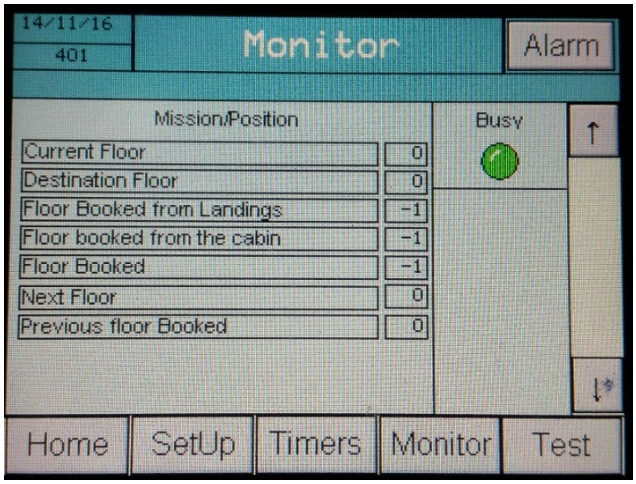
This page keeps in memory the alerts that occurred with the operation of the machine.

If 24v is disabled, the alarm list is reset.

2.11 Real time lift information – Pag. 401 e 410

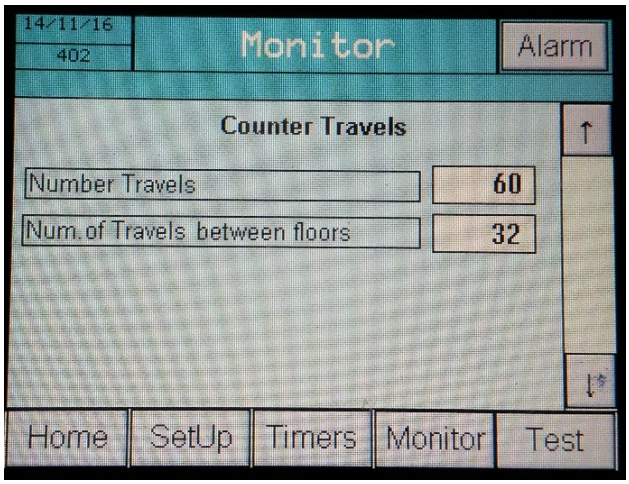
In this page is possible monitoring the lift state





Displays real time information regarding machine status, security and controls, as well as the sensors.

2.12 Travel counter – Pag. 402

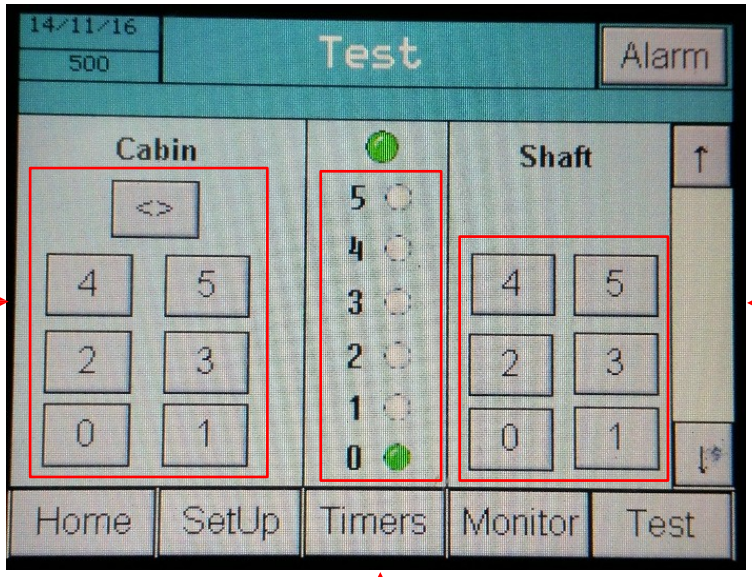


Number of runs: counting the number of total travels since the machine was started

Number of landings: counting the number of different floor levels since the machine was started

2.13 Test – Page 500

The TEST page simulates the machine calls from the pad, as if they were made from the cabin or on landing. It is also possible to check the presence of the car on the landing.



Cabin call simulation Section

Landin call simulation Section

Presence floor section

3. IMPOSTAZIONE E CONFIGURAZIONE TIMERS

N° Timer	DESCRIZIONE	T [sec]
12	Duration audio alert upon arrival at landing	3
17	Return time to stopping floor	840
19	Time Car light going off	60
20	Closing Time car door Entrance 1	10
21	Opening Time car door Entrance 1	15
22	Closing Time car door Entrance 2	10
23	Opening Time car door Entrance 2	15
24	Closing Time car door Entrance 3	10
25	Opening Time car door Entrance 3	15
26	Closing Time Landing Doors Entrance 1	10
27	Opening Time Landing Doors Entrance 1	15
28	Closing Time Landing Doors Entrance 2	10
29	Opening Time Landing Doors Entrance 1	15
30	Closing Time Landing Doors Entrance 3	10
31	Opening Time Landing Doors Entrance 1	15
34	Time Doors Open	5
37	Max. Time Active Light Curtain - Entrance 1	300
51	Car movement check in high speed	34
61	Max. Time Active Light Curtain - Entrance 2	300
63	Max. Time Active Light Curtain - Entrance 3	300

4. ALARMS AND WARNING CODES

N	***Signal:*** **Description**	**Check / Solution**
1	*Pit access:* the lowest floor landing door has been unblocked, the car being out of the re-phasing zone (IR aperto), or one of the pit safety intervened.	a. check the status and functioning of the input 1.03; b. check the status and functioning of the input 0.08; c. check the status and functioning of the input 0.04; d. check of the input 1.03 is off when the 0.08 is off (the door in the pit is blocked when IR is open); e. RESET.
2	*Contactor blocked:* contactor found not completely open in absence of command.	a. check the status and functioning of the input 1.01; b. RESET.
3	*Oil / drive overheating:* oil gauge contact open or drive safety switch intervened.	a. check the status and functioning of the input 0.00.
4	*Travel time limit (car blocked):* no commutation of magnet sensors with up or down command high for more than 40 seconds	a. check the status and functioning of the inputs 0.08, 0.09, 0.10, 0.11; b. verificare il movimento della cabina; c. RESET.
5	*Wrong ascent magnet position:* a wrong location of IS and ID magnets has been identified during the ascending stage	a. check the status and functioning of the inputs 0.10, 0.11; b. RESET.
6	*Wrong descent magnet position:* a wrong location of IS and ID magnets has been identified during the descending stage .	a. check the status and functioning of the inputs 0.10, 0.11; b. RESET.
7	*Batteries dead:* battery out of power identified.	a. check the status and functioning of the input 1.00.
8	*Power supply missing:* lack of power supply in the mains circuit	a. check the status and functioning of the input 1.02.
9	*Re-phasing needed:* re-phasing due to magnetic sensor commutation in absence of commands from the board.	a. check the status and functioning of the inputs 0.08, 0.09, 0.10, 0.11.
10	*Barrier /photocell :* barrier or photocell obscured for more than 2 minutes.	a. check the status and functioning of the inputs 0.08, 1.07, 1.08, 1.09.
11	*Car door access 1 not closed:* time limit error in closing – access 1.	a. check the status and functioning of the input 0.06, access 1.
12	*Car door access 2 not closed:* time limit error in closing – access 2.	a. check the status and functioning of the input 0.06, access 2.
13	*Landing door/s not closed:* time limit error in closing – landing doors.	a. check the status and functioning of the input 0.05.

14	OPTION IF VALVE FOR AMENDMENT-3 FORESEEN *Amendment 3 test failed:* the cabin has lowered with only one valve opened during the test.	a. check the installation of the hydraulic unit; b. check that there are no leaks in the hydraulic circuit; c. check the correct position of the stop magnets (IS and ID);

		d. RESET.
15	OPTION IF SELF-BEARING CABIN ROOF FORESEEN *Headroom access:* detected an attempt to access the upper part of the shaft.	a. check the status and functioning of input 1.03; b. check the functioning and wiring of the landing lock presence contacts (SQ-PRPn); see the wiring scheme, the contact must close with car at floor and door unlocked; c. RESET.
16	OPTION IF SELF-BEARING CABIN ROOF FORESEEN *Check of the landing lock presence contacts failed:* no commutation of the landing lock presence contact.	a. check the functioning and wiring of the landing lock presence contacts (SQ-PRPn); see the wiring scheme, the contact must close with car at floor and door unlocked; b. RESET.