

Installation Manual

Lift Controller ISL_V2 Series by IS technology



VERSION V2 (REV 2.4)

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1. Technical Specification of Lift Controller ISL-V2.

1.1. Technical Features.

Control panel features	Electrostatic Painted					
•	Protection Class IP-54					
	Wall mounting set included					
	 Machine Room Stop Switch 	Machine Room Stop Switch, Cabin at floor indication and				
	power switch included					
Dimensions	1.Traction	800 x 700 x 180 mm				
	2.Hydraulic					
	3.INVERTER- VVVF	900 x 750 x 250 mm				
Power supply - Power	400 VAC (3Ph , PE) - Motor supply					
Lines	230 VAC (L, N) – Lightning , Controlle	r supply				
	230 VAC (Lu, Nu) – UPS Supply					
Safety circuit voltage	110 V AC					
Signals & Indicators	24 V DC Peak Max Current 5A					
electrical ratings	Average Max Current 3A					
Transformers	Power: 520 VA (Main Transformer – Typical)					
	Primary: 0-230-240-400-410 V AC					
	Secondary A: 0-55-65-115-135V AC (400VA)					
	Secondary B: 0 – 17 Vac (20VA)	0)///)				
	• Power: 300 VA (Lightning	Transformer for 42Vac Cabin Lights)				
	Primary: 0-230-240 AC					
	Secondary: 0 - 20 - 42V AC (300VA).				
Main Contactors	Category: AC3					
Battery	12 Volt –2.3 Ah					
Counting Method	Magnetic Switches (Pencil switches) or	Hall sensors (Optionally >1.6m/sec)				
No off Stops	Eight (8) Collective Down					
Lightning	• Cabin: 42VAC – 300W / 220VAC – 900W					
	• Shaft: 220VAC – 900W					
Cam - Brake Coil (Traction)	Two Separate rectify circuits					
Cam - Valves (Hydraulic)	Voltage ratings: 48 or 110VDC					
Indicators	ABC Max Curr	ent Ratings: 1A (Per Signal)				
(DISPLAYS)	(Binary coded)					
Direction Arrows	Max Current Ratings: 2A (Per Signal)					

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1.2. Symbols.

SYMBOL	Description
U	Modules
F	Fuse
G	Encoder
J	Terminal
K (KT)	Contactor (Auxiliary contactor)
Ι	Coil
М	Motors - Fan
FL	Filters
R	Resistance
S	МСВ
TR	Transformer
Х	Terminal Group
Table 1: Dra	awing Symbols

Terminal Group	Voltage	Description				
X1 400Vac		3 phase circuits (Supply, Motor Output)				
X2	230Vac	1 phase (Supply, Lights)				
X3	<230Vac	Doors, Cam, Brake control				
X4	48/12Vdc	Valves				
X5	110Vac or 48Vdc	Safety elements				
X6	12Vdc	Battery				
X7	24Vdc	Control Signals				
X8	24Vdc	Calls and Indicators				
Table 2: Terminal Groups						

No	Color	size	voltage Used in	
	0.000000	0.75 mm ²	110.1/22	Safety circuit (Phase)
	Orange	0,75 mm*	TTU Vac	Relay Coils
2	Yellow	0.75 mm ²	Neutral	Safety circuit (Neutral)
2	Tenow	0,73 mm	110Vac	Relay Coils
			+12Vdc	Battery circuit (Battery +)
3	Red	0,75 mm²	+48 Vdc	Valves +
			+110 Vdc	Brake + / Cam +
4	Light Grey	0,75 mm²	0 Vdc	Brake- / Cam- / Valves-
5	Grey	0,75 mm ²	0 Vdc	24 Vdc - / 12Vdc -
7	Blue	0,75 mm ²	230 Vac	Mains Neutral
8	Brown	0,75 mm ²	230 Vac	Mains Phase
9	Black	0,38 mm²	24 Vdc	Control Signals (Calls, Count Display – Inspection)
		4mm²(min)	400 Vac	Power Cables
10	Vellow Croop	0,5 mm²		Cround
10	reliow-Green	2.5mm²(min)		Gloung
11	Green	0,75 mm ²	42 Vac	Cabin lights 42Vac
12	White	0,75 mm²	42 Vac	Permanent Cabin lights 20Vac
13	Magenta	0,75 mm ²	125 Vac	Cam (AC)
14	Pink	0.75 mm²	125 Vac	Brake (AC)
14	FILIK	0,75 mm*	48 Vac	Valves (AC)
Tab	le 3: Wiring	of ISL contr	ollers	

No	SYMBOL	Name/Value
1	S1	Main Switch • 3x32A (5.5kw) • 3x40A(7.5kw) • 3x63A(11kw)
2	S2	Shock Protection MCB / 30mA
3	11	Latch Relay / 48VAC
4	\$3	Safety Circuit / 2A
5	S4	Controller / 6A
6	85	24V / 6A
7	S 6	Shaft Lights / 10A
8	S7	Cabin Lights / 10A (220Vac) - 4A (42Vac)
9	S8	Doors • 10A (Automatic) • 3x10A (3 Phase automatic) • 2A (Folding Cabin doors)
10	S 9	 Brake / 6A (Traction) Valves / 6A (Hydraulic)
11	S10	Cam / 6A (for 1 cam) KAMA / 10A (for 2 cams)
12	SU	UPS / 6A (FU = 6A FUSE)
13	12	Shaft Light Latch Relay / 220Vac
Tab	le 4: MCB'	S

1.3. ISL_V2 Controller Terminal Description.

Category	Terminal	Name	Description				
Group 3 phase connections (High Voltage 400Vac)							
Machine Room	¥1	PE	Ground				
Machine Room	X1 X1	RST	Input of 3 phase supply – Mains I 1 I 2 I 3				
Machine Room	X1	U1 V1 W1	Output Motor (In traction 2 speed machine - East speed winding)				
Machine Room	X1	U2 V2 W2	Output Motor (In traction 2 speed machine - Slow speed winding)				
Flat Cable	¥1		Output Motor (in ridenon'z speed machine - olow speed winding)				
Machine Room	X1	B1 B2	Braking resistance V/V/F				
Machine Room		One Pha	se Supply (Voltage 230Vac)				
Machine Room	¥2		Single Phase Mains Input 220\/ac				
Machine Room	X2		Single Phase Input from LIPS 220V/ac (in V/V/F only)				
Machine Room	¥2		Single Phase Output for UPS Charge 220\/ac				
Flat Cable	¥2	PE _ I d _ Nd	Door Supply output 220Vac				
Shaft - Loom	¥2		Shaft Lights Output 220VAC (900W/ max)				
Onan - Loom	~2	ΨΨ.L ΨΨ.N	$(\Phi\Phi:L = Phase / \Phi\Phi:N = Neutral)$				
Shaft & Loom	X2	ΦΦ.Β – ΦΦ:Ν	Shaft Lights Control Button. We can connect in parallel as many push				
		*(AEB-V1 to AEB-V4)	button as we need for controlling the shaft lightning				
Flat Cable	X2	ΦΘ:L – ΓΘ:Ν **	**Cabin Lights output 42 / 220VAC (300 / 900 W max).				
			$(\Phi\Theta:L = Phase / \Gamma\Theta:N = Neutral)$				
Flat Cable	X2	ΡΘ:L – ΓΘ:N ****	Cabin Socket 230Vac				
			$(P\Theta:L = Phase / \Gamma\Theta:N = Neutral)$				
		Door - Cam - I	Brake Control (Voltage <230Vac)				
Flat Cable	X3	41β	1. Open Door B Command Output (Relay Output).				
			2. Opening Final Switch in 3 phase Automatic Door B (NC).				
Flat Cable	X3	42β	1. Close Door B Command Output (Relay Output).				
		-	2. Closing Final Switch in 3 phase Automatic Door B (NC).				
Flat Cable	X3	4C	1. Door commands Common (Relay Output).				
			2. Common for Door Final Switches in 3 phase Automatic Doors				
Flat Cable	X3	42α	1. Close Door A Command Output (Relay Output).				
Elst Oshik	Vo	44.5	2. Closing Final Switch in 3 phase Automatic Door A (NC).				
Flat Cable	X3	41α	1. Open Door A Command Output (Relay Output).				
Machina Daam	Va	<u> </u>	2. Opening Final Switch in 3 phase Automatic Door A (NC).				
	X3	ΨF+,ΨF-					
Fial Cable	٨J		Cam Output (6A)				
Maahina Baam	¥4		Slow Up Value Output (+48)/de)				
Machine Room	X4	Αμα	East Up Valve Output (+48Vdc)				
Machine Room	<u></u>	DIVIU					
Machine Room	X4X4		Slow Down Valve Output (+48V0C)				
Machine Room	×4 ¥4	ГР	Common Valves Signal (49\/dc / 12\/dc)				
Machine Room	×4 ×4	\/MD	Bypass Valve for IGV (49Vdc)				
Machine Room	X4 ¥4		$\frac{Dypass valve for IGV (-460000)}{Poscup Valve Positive Output (+12)/dc (-46)}$				
Machine Room	×4 ¥4	BA-	Rescue Valve Negative Output (+12Vdc)				
Machine Room	~~	Safety Fleme	ants (Voltage 110Vac or 48Vdc)				
Machine Room	¥5		Motor / Oil Thermistor - PTC				
Shoft - Loom	X5 ¥5	TA1 TA2	Final Switches (NC)				
Shaft - Loom	¥5		Over sneed Governor (NC)				
Shaft - Loom	¥5	ΡΕΓ Σ Μ	Shaft Ston Switches (NC)				
Machine Room	¥5	ΣΦ ΠΥ	Low Pressure (Ranture Valve) contact (NC)				
Flat Cable	¥5	ΠΧ ΣΘ	Cabin Ston Sequence (Safety Gear - Inspection Ston) (NC)				
Shaft - Loom	X5	ΣΑ ΕΠ	Shaft Doors Contacts (NO)				
Shaft - Loom	X5	ΕΠ ΚΛ	Semi Automatic interlock Contact (NC)				
Flat Cable	X5	ΚΛ ΘΘ	Cabin Door Contact (NC)				
That Gablo	7.0	Battery	v Circuit (Voltage 12Vdc)				
Flat Cable	X6	ΦA	Emergency Light +12Vdc				
Flat Cable	X6	FKΛ	Input From Siren Push Button - Output to Siren				
Flat Cable	X6	+12	Battery positive voltage output to broth				
Flat Cable	X6	-	Battery negative output Pizvuo				
	Control Signal inputs (Voltage 24/40)						
Flat Cable	¥7	+24 FIII	Full Load - (NO / +24\/)				
Machine Room	X7	+24 YT	Overload Contact - (* as ordered / +24\/dc)				
/ Flat Cable							
Machine Room	X7	+24 . SL	Shaft Lights Trigger - (NO / +24Vdc).				
& Flat Cable		*(AEB-V5)					
Flat Cable	X7	+24 , EXP	Express (Cancels all landing calls) - (NO / +24V).				
Flat Cable	X7	+24 , FIRE	Fire Alarm - (NO / +24V).				



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LIFT AUTOMATION INDUSTRY						
Flat Cable	X7	+24, REV	Inspection - (NC / +24Vdc) (Closed = Inspection / Opened = Normal)			
Flat Cable	X7	+24, RUP	Inspection Down - (NO / +24V).			
Flat Cable	X7	+24, RDN	Inspection Up - (NO / +24V).			
Flat Cable	X7	ZA1 - ZA2	Relevelling Zone A (NO / +24V).			
Flat Cable	X7	ZB1 - ZB2	Relevelling Zone B (NO / +24V).			
Flat Cable	X7	+24, ΠA	Down Preliminary - (NC / +24V).			
Flat Cable	X7	+24, ΠK	Up Preliminary - (NC / +24V).			
Flat Cable	X7	+24, ΣAA	Up Count / Stop Switch (NO / +24V).			
Flat Cable	X7	+24, ΣAK	Down Count / Stop Switch (NO / +24V).			
Flat Cable	X7	+24 , DO	Door Open Push Button Photocell NO Contact Obstruction NO			
			Contact			
Flat Cable	X7	+24 , DC	Door Close Push Button			
		Calls And	d Indicators (Voltage 24Vdc)			
Shaft - Loom	X8	+24Φ	Voltage Output +24Vdc for Shaft Wiring			
Flat Cable	X8	+24***	Voltage Output +24Vdc for Cabin Wiring			
Shaft - Loom &	X8	-	Voltage Output 0Vdc (GND of +24V)			
Flat Cable						
-	X8	TE	Indicator Signal Voltage selection (Connect to +24 or - depending the			
			Display)			
Shaft - Loom &	X8	A , B , C	Indication Signals - Binary (Output Voltage = TE)			
Flat Cable						
Shaft - Loom &	X8	L1, L2 L8	Indication Signals - Decade (Output Voltage = TE)			
Flat Cable			Lin direction Arrow (Output Voltage - TE)			
Shaft - Loom &	X8	UP▲	Up direction Arrow (Output Voltage = TE)			
Flat Cable	Vo	Dn 🕊	Down direction Arrow (Output) (oltage TE)			
Shart - Loom &	70	Dn▼	Down direction Arrow (Output Voltage = 1E)			
Flat Cable	Vo	Cong 124	Cong (124)/do)			
Flat Cable	 		Going (+24 V0C)			
Flat Cable	 					
Fial Cable	NO	K1 - K8	Cabin Calls - 0.			
		NT - NO	Common for Call Registered Indication = FEQ			
Shaft - Loom	X8	ΓΚΦ / ΓΕΦ /	Landing Down Calls 1 - 8			
Chart Loon		D1 - D8	Common for Landing Calls = $\Gamma K \Phi$			
			Common for Call Registered Indication = $\Gamma E \Phi$			
Flat Cable	X8	SP1.SP2	Speaker Output for Voice announce Module or MP3 Module			
Table 5. Termina	Description ISI	V2				



1.4. Typical Wiring Diagram for ISL-V2 Controllers.





ZA / ZB ← Double Contact Pencil Switch Right Guide Releveling Zone or Preopening in Traction Lifts **PENCIL SWITCHES** (INSTALLER VIEW) **Magnet Position During Leveling** (SAK) 20cm EAD **₹**AK **Counting System and magnet installation** Magnet Length 20cm (10 cm for Hydraulic Lifts) Left Guide (At Floor) for ISL controllers ₹ Down Preliminary Up Preliminary Switch Magnet Up Count Magnet Switch Magnet Down Count Lower Stop **Higher Stop** Magnet Z ¥∐∢ ¥U ystems technology IATION INDUSTRY ₹¥K A ¥Ζ 10 cm. 10 cm. Leveling<u></u> ł ntelli

1.5. Counting System Installation for ISL_V2 controllers.



2. Electronic Modules for ISL_V2 Controllers.

2.1 Power Drive Module PDM_V3 (For Valve block drive).

In ISL Lift Controllers and specific in Hydraulic lift Applications the valve block is driven by a specially designed module named PDM_V3. PDM module supports all known Valve blocks and ensures their fine operation with maximum safety.



2.2 Auxiliary Elevator Board AEB_V5.

AEB Module is caring all necessary electrical circuit for the Lift application. This Board is designed to cooperate along with the main controller and offers double safety while minimizes the need of using external elements.





2.3 Lift Control Board ISL_V2 (Astra_V2).

2.3.1 Terminal Description

The Astra_V2 elevator control board is the "brain" of the controller. Controls all signals for lift applications up to 8 stops collective down. This board is designed according the EN81.1-2 norm and ensures that vertical transport is conducted with maximum safety.

17V~ 17V~ INSPECTION DOWN INSPECTION UP INSPECTION UP NORMAL / INSPECT DOOR LOCKS / CAR G.	STOP SWITHCES STOP SWITHCES REOPEN / OVLD(NC) DOOR CLOSE P.B.	DOWN PRELIMINARY UP PRELIMINARY LEVELING/COUNT ↓ LEVELING/COUNT ↑	0VDC(IN) CAR LIGHTS LIGHT COM DOOR COMMAND DOOR COMMAND R COMMAND COM RT1 KT2 KT2 COMMON RELAY KT2 DOWN
	PAGE DISP.	DESCRIPTION	DPEN
	1 FL# IN# E# Est	NORMAL OPERATION INSPECTION FAULT OCCURRED STOP ENGADGED	LIGHTS OPEN CLOSE KT1 KT2 KT3 UP DWN
	2 Err	ERROR LOG. 2 LEFT DIGITS ARE FOR ERROR CODE, THE RIGHT DIGIT STANDS FOR THE FLOOR. noE = No ERROR'S	
	3 Fer	FATAL ERROR LOG. noF = NO FATAL ERROR REGISTERD	Systems Technology www.istechnology.gr info@istechnology.gr
	4 ErA	ERASE ERRORS don = DONE	ASTRA V2 LIFT CONTROLLER ACCORDING EN81.1 & 81.2
	5 Htr	HOMING TRIP	
1 ON = SWINGING D. OFF = AUTO DOORS 2 ON = HYDRAULIC OFF = TRACTION		CALL 1 CALL 2	CALL 3 CALL 6 CALL 6 CALL 8 CALL 7 CALL 8
3 ON = PTC OFF OFF = PTC ACTIVE 4 ON + POWER ON PROGRAMING MENU ON 3 4 1 2 OFF C(+)	UP DIRECTION ARROW(-)	 +24V TO CABIN 0V TO CABIN +24V TO SHAFT 	 OV TO SHAFT CALL 1 CALL 2 CALL 3 CALL 4 CALL 5 CALL 6 CALL 6 CALL 8 CALL 9 CALL 10 <l< td=""></l<>

Terminal	Name	Traction 2Sp	Hydraulic	VVVF	Speed	KT1	KT2	КТЗ	Multi
Low_SP	KT2	Slow	Relevelling	Multi Speed 1					Speed
Hi_SP	KT3	Fast	Fast	Multi Speed 2	Nominal (50Hz)	0	0	1	1
UP_DIR	UP	Up	Up	FWD	Leveling (5Hz)	0	1	1	3
DN_DIR	DWN	Down	Down	REV	Inspection (20Hz)	0	1	0	2
SPRE_1	PROG. OUT 1(KT1)	Programmable	Delta	Multi Speed 3	Intermediate. (35Hz)	1	0	1	5



2.3.2 ASTRA - V2 User Interface.

To operate or setup the ASTRA-V2 Elevator PCB module we can use the 4 ON Board Dip Switches and the 3 push button. The Astra - V2 Module has a 3 digit LCD screen where the user can see all necessary information for programming or troubleshoot the controller.

Page 1	FL#	In Normal Operation Floor Number is Displayed. When the Floor Number is unknown, then in floor No we have '-'.
	> In#	Inspection Operation
	► E##	Current Fault '##'
	➢ ESt	Safety Stop Opened
Page 2	Err	By Pressing SELECT we can insert to Error Log. 'noE' Means No Errors registered. With Previous and Next Button, we can navigate in Error Log Menu.
Page 3	Fer	By Pressing SELECT we can insert to Fatal Errors Log. 'noE' Means No Fatal Errors registered. With Previous and Next Button, we can navigate in Fatal Error Log Menu. (Fatal Errors are All Level II Fault, See Error Menu)
Page 4	ErA	By Pressing SELECT we can Erase all registered Faults. 'noF' means that faults are erased.
Page 5	Htr	By Pressing SELECT we can reset the controller and conduct a homing trip.

Operation Messages in Astra - V2 LCD Screen:



- Simulate Calls With Astra V2: When we are in Page 1 and the screen shows FL# by pressing Select the indication changes to Fr# and the # is flashing. With Prev and Next button we can alter the Floor No we want to simulate call. When we set the desired target Floor No by pressing the Select Button a new call is registered from the desired floor and the corresponding LED in Astra Lights. To deactivate the simulate calls function press select for 3 sec.
- Inspection Commands: When we are in Page 1 and In# is written on screen, by pressing Prev and Next buttons we can give up or down command for inspection operation



2.3.3 Fault Log.

Error Code	Fault Description	*Level	Action taken
20	Safety circuit and/or door opened during travel	I	Waits for safety circuit to close
20	Safety circuit opened during travel	I	Waits for safety circuit to close, cancels calls if fault persists more than 5sec3
21	Door lock circuit opened during travel	I	Waits for lock circuit to close, cancels calls if fault persists more than 5sec3
22	Safety circuit failed to close after door closing	I	Cancels calls and opens doors
22	Failure in locking door after 3 attempts	Ι	Cancels calls3
22	Failure in closing door	II	Cancels calls, opens door3
24	UP Preliminary Switch fault (Moving Down And the up preliminary sw. is activated)		Blocks elevator4
25	Down Preliminary Switch fault (Moving Up And the down preliminary sw. is activated)	III	Blocks elevator4
26	Counting Error	II	Performs a homing trip
26	Counting Error	II	Performs a homing trip
28	Preliminary Switches Fault (both open)	III	Blocks elevator7
27	Emergency stop	I	Waits for a car call to resume
29	Motor has been powered for 25 sec, car did not move	III	Blocks elevator4
35	Preset number of operating days expired	111	Blocks elevator11
33	All orders on contactors were removed, one contactor or more is still engaged	Ι	Waits all contactors to be released
34	Motor temperature has exceeded its maximum allowable operating temperature	I	Elevator is stopped at the nearest floor. Waits for the motor to cool down
23	Locks/Cabin doors opened during travel	I	Waits for lock circuit to close, cancel calls if fault persists more than 5sec3
32	Final switches opened		Blocks elevator

1 For swinging or 1/2 automatic door.

2 For automatic door.

³Waits for a call to resume operation.

Waits for a call to resume operation.
When the cause of the fault is diagnosed and fixed, empty the faults log or request a homing trip so that the elevator resumes operation.
When DZ magnetic switch is installed. Refer to section 5.
When DZ magnetic switch is installed. Refer to section 5.
When the cause of the fault is diagnosed and fixed, the elevator will automatically resume operation.
Relevant in group mode only.
Pofor to section 5.

9 Refer to section 5.

to In case of automatic door, waits for obstacle to clear. 11 To recover from this fault, access menu and clear the count of elapsed days. Refer to Chapter Programming Menu.



2.3.4 Programming Menu.

To Enter the programming Menu follow the steps:

- 1. Turn Off the controller
- 2. Put the Dip Switch No4 in ON position
- 3. Power on the controller

4. Navigate the Menu with Next and Prev Buttons and Press select for saving new values.

To Leave programming Menu Just put the Dip Switch No4 back to Off position.

Παράμετρος	Περιγραφή	Πεδίο Τιμών
Par	Selects the parking mode for automatic door:	Opn - CLd
	OPn = Parking door opened	
	CLd = Parking door closed	
Lgt	Sets the car light time	0 - 25.0 sec
FLt	Sets the floor stopping time	0 - 25.0 sec
LdF	Sets the landing floor	non, 0 - 7
Ldt	Sets the landing time	1 - 99 min
Cjd	Set the car jammed delay	Dis, 1 - 255sec
Ado	Sets the opening time of the Automatic Door	Dis, 1 - 255sec
SPr	In case Hydraulic is not selected, sets the STAR output function: gong, intermediate speed	gng = Gong
	(used in VVVF operation) or base block (used in VVVF operation)	Int = Μεσαία Ταχ.
		bbL = Base Block
dΞo	When enabled, SDFS DN input is re-assigned as DZ for automatic door only. DZ should be	DiS - EnA
	active on every floor stop to allow door opening	
Edi	When enabled, CLSE input is re-assigned as emergency stop for swinging door only	DiS
Aro	Arrows Type (With Next Direction Indication = Std / Only Present Direction Indication = run)	Std - run
CjF	Sets The Level for Car Jammed Fault	L3 / L2
roL	Sets the logic for Reopen-Overload Input	nc/ no
Str	Sets the start time in hydraulic mode. If hydraulic is not selected, it selects VVVF and sets the	-9,9 - 9,9sec
	start delay:	
	Zero: AC2-speed is selected (StP has to be set to zero as well)	
	Positive value: VVVF selected with direction engaging before speed reference	
	Negative value: VVVF selected with speed reference engaging before direction	
StP	Selects VVVF and sets the Stop delay:	-9,9 - 9,9sec
	Zero: AC2-speed is selected (Str has to be set to zero as well)	
	Positive value: VVVF selected with speed reference disengaging before direction	
	Negative value: VVVF selected with direction disengaging before speed reference	
rLL	Sets the re-leveling option in hydraulic mode	ALL = Always
EoS	Enables the EOS during the inspection	DiS - EnA
PoH	Enables Power-on homing	DiS - EnA
Ind	grA = Grav code floor information output	bin
	gr1 = Gray code floor information output starting from 1	qrA
	bin = Binary code floor information output	gr1
	EnH = Enhanced scrolling display information output	Ēnh
bAS	Sets the number of basement (affects the direction of the hall calls)	0-7
PCL	Enables permanent close for automatic door	DiS - EnA
Cod	Press push button to access CODE MENU ₂	'Select'

• Code Menu.

A blank screen appears with a decimal point on the first digit. Use the **INC** and **DEC** push buttons to set the first digit of the code. Use **OK** to enter it. The digit is instantaneously replaced by "c". A decimal point on the second digit prompts you to enter the second digit of the code by repeating the above procedure. Repeat this process until all six digits are entered.

Παράμετρος	Περιγραφή	Πεδίο Τιμών
StA	Selects the status of the code lock feature	DiS - EnA
	Press INC or DEC push buttons to change selection	
	DiS = Disabled / EnA = Enabled	
ELA	Displays the count of the number of days elapsed	-
	Pressing INC or DEC push buttons resets counter to zero	
DAy	Displays the preset number of operating days	0 - 999
	Modify by pressing INC and DEC push buttons. Enter new value with OK	
out	Press SELECT push button to exit code menu and go back to auxiliary functions menu	-



24 Months Product Guaranty

IS technology

PERREVOU 37 54 352, THESSALONIKI TEL: +30 2310 943169 FAX: +30 2310 943169 E-mail: info@istechnology.gr

Name:		
Address:		
Telephone:	Fax:	
ISL Controller Type	:	
Shipping Date Code Model	: :	

The Product guaranty is valid within 24 months from shipping date and only if:

- > The installation was done according our drawings
- No alterations was made in the product without the knowledge of IS technology Production Department
- > The product was working under normal conditions (Humidity, Temperature)

This Controller has passed quality control by Lift Auto tester Machine (IS Property) and was produced according the: 95/16/EU, 89/336/EU, 73/23/EU, EN81-1 and EN81-2.

For any injury or damage caused from wrong wiring of the controller, IS technology has no responsibility what so ever.

Thessaloniki, Greece/..../20...



Mr. Thomas Kelantonis





ETAIPEIA BIOMHXANIKHΣ EPEYNAΣ & TEXNOΛΟΓΙΚΗΣ ANAΠΤΥΞΗΣ ΜΕΤΑΛΛΩΝ Α.Ε. / METALLURGICAL INDUSTRIAL RESEARCH & TECHNOLOGICAL DEVELOPMENT CENTRE S.A.

CERTIFICATE OF COMPLIANCE

Certificate	No:	LF/A-C-1168/10	
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Applicant/ Manufacturer /	IS TECHNOLOGY, THOMAS ATH. KELANTONIS,
Certificate-holder:	X. Perrevou 37, 54352, Thessaloniki
Description/Product	Electrical Control Panel for Lifts ISL–HYD, ISL-TR
Type :	With main electronic unit MicroZed and STEM for relevelling
EU Directive/Norms :	95/16/EC, Annex I, 89/336/EC, 2006/95/EC EN81.1, 2, §13 &14, Annex H, EN 12015, EN 12016, EN 55011, EN 61000, EN 60439-1
Control and testing installations :	Laboratory IST, Thessaloniki (95/16/EC, Annex I, EN81.1&2, §13&14) EMC Laboratories, Report No: E10-033 electromagnetic compatibility Emc, Electrical Safety LVD

The lift testing and certification department of MIRTEC SA, certifies hereby that the over mentioned manufacturer has compiled a technical file in accordance with the requirements of Annex V of 95/16/EC which was submitted to us on 10.05.2010 for examination on its completeness and for archiving purposes.

The checks and compliance verification tests on the aforementioned Norms took place at the Laboratories of EMC as regards the electromagnetic compatibility (89/336/EC), as regards the electromagnetic compatibility (89/336/EC) and electrical safety (Report No: E10-033).

Control tests were carried out by the MIRTEC S.A. inspector at the IST Laboratory in Thessaloniki, on 10.05.2010 on a prototyp panel, as regards the correct and safe functioning, of the main, auxiliary and safety circuits (95/16/EC,EN 81.2).

Relevant reports: MIRTEC: LF/A-R-1168 /10

The manufacturer has to issue the declaration of conformity and attaches the CE Marking for guideline 89/336/EC and manufacturer's certificate for electrical safety & 95/16/EC.

This certificate is valid until May 2012. Significant changes to the design and the manufacture of the control panel are to be notified to MIRTEC S.A.

Date of issue: 18.05.2010	MIRTEC's certification	department tis	
LF_A_C_1168_10_ISL_HYD_TR (en).doc	AET: 13526	ΚΩΔ. ΕΡΓΟΥ: 37452	

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Declaration of Conformity CE EMC Compliance Standards and Directive: 89/336/EU & 95/54/EC The Company : IS technology PERREVOU 37 54 352, THESSALONIKI GREECE Declare that the products listed below are following the provisions of the 89/336/EU & 95/54/EC directive. The tests was made by EMC Hellas (Protocol No.: E10/033): **Product:** Type: 1. Elevator Controller ISL 1.1 For Hydraulic Elevators HYD_ 1.2 For Traction Elevators TR

Thessaloniki 26-04-2010 The Company,



IS technology