PROGRAMMING (Ver:1.04 and upper)
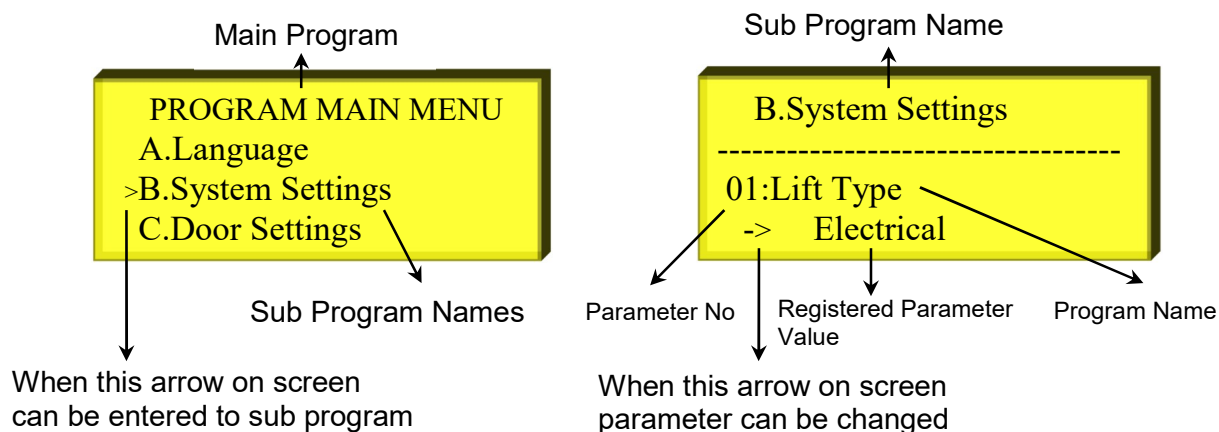
- When the lift is stand by position, by pressing ENTER button for 2 seconds, programming mode starts.

Main Program

Sub Program Name

```
 PROGRAM MAIN MENU
 A.Language
>B.System Settings
 C.Door Settings
```

```
      B.System Settings
-----------------------------------
 01:Lift Type
   ->    Electrical
```

Sub Program Names

Parameter No   Registered Parameter   Program Name
                 Value

When this arrow on screen can be entered to sub program

When this arrow on screen parameter can be changed

- You can choose sub program by using UP and DOWN buttons.
- To exit the programming mode ESC button in the main menu is used, "ENTER to ExitProgram" is displayed on LCD screen. Press ENTER button and exit the programming mode; to return the main menu again press ESC button.
- When ENTER button in the main menu is pressed, the sub program which has arrow on the screen starts. And you can select the sub program with ENTER button again.
- If the program has parameter, an arrow appears at the beginning of the fourth line of LCD screen. You can change the parameter value by using UP and DOWN buttons. To store the value, press the ENTER button and return the menu. By pressing the ESC button the registered value is valid and you can return the sub menu.

PARAMETERS

Program	Factory Set	Parameters / Explanations
A.Language		
A.Language	Turkce	Turkce, English, Pусскпñ, Polski, Български, Français
B.System Settings		
01:Lift Type	Electrical	Electrical *(lift that has geared motor)* Gearless *(lift that has gearless motor)* Hydraulic 3valves *(hydraulic lift with 3 valves)* Hydraulic 4valves *(hydraulic lift with 4 valves)*
02:Command Type	OneBt.TwoWayColl.	OneBt.OneWayColl. *(There is one button on the floors in this command type. If this button connected to which direction, floor calls are collective at that direction. Car calls are collective in both directions)*

		OneBt.TwoWayColl. *(There is one button on the floors in this command type. If this button connected to which direction, floor calls are collective in both directions. Car calls are collective in both directions)* SelectiveCollect *(Car calls are collective in both directions, floor down calls are collective in down direction, floor up calls are collective in up direction)*
03:Number Of Floor	16	2-32
04:Car Lamp Time	5 seconds	1-20 seconds *(The duration of car lamp ON)*
05:Lock Wait Time	15 seconds	5-25 seconds *(After CAM energized waiting time for lock signal)*
06:Max. HighSpeed	15 seconds	10-100 seconds *(Maximum moving time at high speed between two floors)*
07:Max. Low Speed	10 seconds	5-100 seconds *(Maximum moving time at low speed)*
08:Parking Time	30 seconds	10-100 seconds *(On stand-by, time of moving to park floor)*
09:Park Floor	Passive	Passive, 0,1,..31 *(On stand-by, park floor to go)*
10:Fire Floor	Passive	Passive, 0,1,..31 *(Target floor when detecting fire warning signal)*
11:Stop Delete Call	Passive	Passive, Active *(When pressed the stop button if the parameter value is passive, car calls are kept in the memory and vice versa)*
12:Group ID Select	Passive	Passive A Panel B Panel
13:R-S-T Phase Ctrl	Without Sequence	Passive Without Sequence Sequential (50Hz) Sequential (60Hz)
14:Motor PTC Control	Active	Passive, Active
15:Phase LevelAccept	50	0-100 *(It can be controlled phase level sensitivity, when the parameter value is increased it can be accepted existing phases if their voltage levels are low)*
16:RX Delay Time	Passive	Passive, 10-5000 ms *(In speed control systems, when limit switch is on, selection of stripping distance)*
17:Inspect.Move Type	To Limit Switch	To Limit Switch *(In inspection mode, car is moved to up and down limit switches)* To Exact Floor *(In inspection mode, car is moved to up and down floor levels)*
18:Re-levellingRXtime (B01=Electrical/ Gearless)	Passive	Passive, 10-5000 ms *(Selection of star-triangle relay (RT) convert time for hydraulic lifts)*

Star-TriangleTime (B01=Hydroulic 3/4valves)	400 ms	
19:OSG Reaction Time (B01=Electrical/ Gearless)	1500 ms	Passive, 10-5000 ms *(Motor run time after the valves closed for hydraulic lifts)*
Motor-Valve Time (B01=Hydroulic 3/4valves)	400 ms	
20:Valve Start Delay	Passive	Passive, 10-5000 ms *(In hydraulic lifts, after triangle contactor output is given at up direction, valves energizing delay)*
21:Position Reset	Passive	Passive, Active *(After the power off, when the card is energized, the car is moved to floor which has down limit bi-stable switch. Note:In shaft learning systems, when this parameter is selected "Passive", if the car is not in the door zone when the main power is ON, position reset is done!)*
22:Maximum Car Calls	8	1-24 *(Maximum car calls accepted in the cabin)*
23: KRC Control	Active	Passive, Active, Full Active *Selection of detection type of contactor pick up-drop information that comes to contactor control input (KRC))*
24:Top Less Floor	Passive	Passive, 1,2,..5 *(In doublex working, up direction missing floor number of one of the lifts)*
25:Lower Less Floor	Passive	Passive, 1,2,..5 *(In doublex working, down direction missing floor number of one of the lifts)*
26:Gray Binary Start	0	0,1,..5 *(At the up missing floor lifts, selection of the starting number of gray-code or binary output)*
27:Car Call Cancel	Passive	Passive, Active *(If this parameter is selected active, accepted call by pressing the button inside the car is canceled by pressing this button once again)*
28:Car Card Select	KABIN-R & KABIN-K	KABIN-R & KABIN-K SERI40 & INT40 KABIN-R & AVOX cb *(Selection of car communication cards)*
29:Floor Detection	Active	M0 pulse 2 Magnet Encoder
30:OSG/Brake Control	Passive	Passive, Active Cancel A3 (Puk:000000) *(At geary machine systems, over speed governor selenoid control card MLA3 must be used. <u>If it is used for the lifts that is not suitable to En81-20 standards, to do this parameter "passive", ML50S user must declear to our firm with writings and must accept the responsibility)</u>*
31:Re-levelling	Passive	Passive, Active *(If needed re-levelling, this parameter is chosen active)*
32:Evacuation Floor	Passive	Passive, Active *(If panic input detected, floor that the car will be parked)*

33:AtTheSpeedTimeEnd	Only Warn	Only Warn, Block The Lift *(When speed time is over, selection of application)*
34:Standart Type	EN 81-20	EN 81-20,EN 81-1/2+A3 *Selection of ML50S card working type according to which standards.*
35:A3valve TraceTime	Passive	*(Hidrolik sistemlerde kabin durduktan sonra A3 valfi geri besleme kontağının izlenmeye başlama gecikme süresi)*

C.Door Settings

01:A DoorTypeSetting	Floor 00 FullAu.	*(For each floor, A side door type can be set one by one and can be set at the same time)*
02:B DoorTypeSetting	Floor 00 NoDoor	*(For each floor, B side door type can be set one by one and can be set at the same time)*
03:Door A Limit Type	Without Limit	With Limit, Without Limit *(Limit type selection of A side door mechanism)*
04:Door B Limit Type	Without Limit	With Limit, Without Limit *(Limit type selection of B side door mechanism)*
05:Door A Relay Set	MLKABINR RA/RK	MLKABIN-R RA/RK, MLKABIN-R ER2/ER1 *(Selection of A side door open/close signals that will be connected to which relays)*
06:Door B Relay Set	Not Used	Not Used, MLKABIN-R RA/RK, MLKABIN-R ER2/ER1 *(Selection of B side door open/close signals that will be connected to which relays)*
07:Wait At FloorTime	5 seconds	1-99 seconds *(At full automatic door systems, stay opened time of automatic door; at only indoor systems, if the door doesn't open after the car stopped, selection the time of the next call)*
08:Photocell BlockT.	Passive	Passive, 1,2,..99 seconds *(Selection the time of cutting photocell signal and starting the nudging signal)*
09:DoorOpenInsp.Time	180 seconds	10-180 seconds, Passive *(When the door stayed open, selection the time of warning)*
10:Close ButtonDelay	2 seconds	Passive, 1,2,..20 seconds *(Delay time of close buton detection)*
11:Advanced DoorOpen	Passive	Passive, Active
12:Dir.-Open D. Style	Passive	Passive, Active *(If parameter value is passive, when the direction arrows are on, the same floor call is not imported. If parameter value is active, when the direction arrows are on and if the same floor call is come, the automatic door is opened)*
13:Auto.DoorWaitOpen	Passive	Passive, Active (Puk:000000) *(At full automatic door lifts, selection of waiting the door opened. This situation is not suitable to En81-20 standards. To do this parameter active, ML50S user must declear to our firm with writings and must accept the responsibility)*
14:CAM Delay Time	Passive	Passive, 1,2,..20 seconds *(Selection of the pick-up time of the CAM relay after the car has stopped coming from the movement)*

mikrolift

D.Display Settings

01:FloorDisplay Sets	Floor 00 Disp 0	Floor 00-23 Disp 0-19,1A,1b,1c,1d *(Display datas that will be screened on floors are changed)*
02:Dir. Arrow Type	Type 4	Type 1 Type 2 Type 3 Type 4 *(Selection of direction arrow types on MLKAT-D card)*
03:Dir.ArrowShiftSp.	Normal	Normal Slow Very Slow No Shift Very Fast Fast *(Selection of direction arrow shift speed on MLKAT-D card)*
04:ArticleShiftSpeed	Normal	Normal Slow Very Slow Very Fast Fast *(Selection of article shift speed on MLKAT-D card)*
05:OUTofSERVICE Apx.	No Appendix	No Appendix … (FLOOR =1) … (FAULT – 2) *(Selection of appendix that will added to (OUT OF SERVICE) article end on MLKAT-D card)*
06:Floor Display Set	Passive	Passive, Active

E.PrgrammableInputs
(Programmable Inputs Sub Section)

	Factory Settings for Electrical/Gearless Lifts	*Factory Settings for Hydraulic Lifts*
01:ML50S-PG1	M0 Pulse	DownLevelling Sw.
02:ML50S-PG2	JF Levelling Sw.	JF Levelling Sw.
03:ML50S-PG3	Not Used	M0 Pulse
04:ML50S-PG4	Not Used	Not Used
05:ML50S-PG5	Not Used	Not Used
06:ML50S-PG6	Not Used	Not Used
07:ML50S-PG7	Not Used	Not Used
08:ML50S-PG8	Not Used	Not Used
09:ML50S-PG9	Not Used	Not Used
10:MLKABIN-R-EIN1	Not Used	Not Used
11:MLKABIN-R-EIN2	Not Used	Not Used
12:MLKABIN-R-EIN3	Down Re-levelling	Not Used
13:MLKABIN-R-EIN4	Up Re-levelling	Not Used
14:MLKABIN-R-EIN5	Full Load	Full Load
15:MLKABIN-A1-EIN1	Not Used	Not Sed
16:MLKABIN-A1-EIN2	Not Used	Not Used

17:MLKABIN-A2-EIN1	Not Used	Not Used
18:MLKABIN-A2-EIN2	Not Used	Not Used
19:MLKABIN-B1-EIN1	Not Used	Not Used
20:MLKABIN-B1-EIN2	Not Used	Not Used
21:MLKABIN-B2-EIN1	Not Used	Not Used
22:MLKABIN-B2-EIN2	Not Used	Not Used
23..54:MLKATD0..31-A-EIN	Not Used	Not Used
55..86:MLKATD0..31-B-EIN	Not Used	Not Used

Assignable Functions

1- Overload (Overload contact)
2- Full Load (Full load contact)
3- Fireman (Fireman key input)
4- Panic (Panic button input)
5- Vatman (Vatman key input)
6- K16 Open Limit-A (Door A open limit input)
7- K19 Close Limit-A (Door A close limit input)
8- Open-B (Door B open button input)
9- Close-B (Door B close button input)
10- K16 Open Limit-B (Door B open limit input)
11- K19 Close Limit-B (Door B close limit input)
12- Photocell-A (Door A photocell input)
13- Photocell-B (Door B photocell input)
14- M0 Pulse
15- DownLevelling Sw. (Down levelling input for hydraulic lifts)
16- JF Levelling Sw.
17- MLKS10-EXO1 (MLKS10 communication input 1)
18- MLKS10-EXO2 (MLKS10 communication input 2)
19- Down Re-levelling (Down re-levelling input)
20- Up Re-levelling (Up re-levelling input)
21- Door Control-1 (MLDC card connection input-1)
22- Door Control-2 (MLDC card connection input-2)
23- Valve Monitor (A3 valve monitor input)
24- Change Direction (Change direction input at UPS evacuation)
25- StarTriangleStart (Star-Triangle starting input)
26- 819 Limit Switch
27- 820 Limit Switch
28- FiremanDeleteCall
29- Car Calls Enable
30- Reserve
31- Inspection Reset
32- Door A CarContact
33- Bridging Exist
34- Door B CarContact
35- DoorMotorTemp.NTC
36- 2m To Top Of Well
37- 2 meters To Pit
38- 130A Input
39- 135A Input

F.Programm. Outputs
(Programmable Outputs Sub Section)

	Factory Settings for Electrical/Gearless Lifts	Factory Settings for Hydraulic Lifts
01:ML50S-RB	OSG relay	Not Assigned (Down (Low) Speed Valve)
02:ML50S-RC1	Not Used	Not Assigned (Star-Triangle start output)
03:ML50S-RD	CAM Relay	Not Assigned

		(Up (Low) Speed Valve)
04:ML50S-OUT1	Not Used	Gong
05:ML50S-OUT2	Not Used	Hyd.Re-lev. Motor
06:MLKABIN-R-EO1	Nudging	Nudging
07:MLKABIN-R-RA	Fixed !	Fixed !
08:MLKABIN-R-RK	Fixed !	Fixed !
09:MLKABIN-R-RE1	Not Used	Not Used
10:MLKABIN-R-RE2	Not Used	Not Used
11:MLKABIN-K-A1-EO1	Gray-Code M0	Gray-Code M0
12:MLKABIN-K-A1-EO2	Gray-Code M1	Gray-Code M1
13:MLKABIN-K-A1-EO3	Gray-Code M2	Gray-Code M2
14:MLKABIN-K-A1-EO4	Gray-Code M3	Gray-Code M3
15:MLKABIN-K-A1-EO5	Overload	Overload
16:MLKABIN-K-A1-EO6	Inspection	Inspection
17:MLKABIN-K-A1-EO7	Down Arrow	Down Arrow
18:MLKABIN-K-A1-EO8	Up Arrow	Up Arrow
19..26: MLKABIN-K-A2-EO1..8	Not Used	Not Used
27..34: MLKABIN-K-B1-EO1..8	Not Used	Not Used
35..42: MLKABIN-K-B2-EO1..8	Not Used	Not Used
43..74:MLKAT-D0..31-A-EO	Not Used	Not Used
75..A6:MLKAT-D0..31-B-EO	Not Used	Not Used
A7:MLSERI40-GCx	Gray-Code	Gray-Code

Assignable Functions

1- Inspection
2- Car Lamp
3- Levelling Speed (Levelling speed output at electrical lifts)
4- OSG Relay
5- Gong
6- Reserve
7- Middle Speed 2 (Second middle speed output)
8- Gray-Code M0
9- Gray-Code M1
10- Gray-Code M2
11- Gray-Code M3
12- Gray-Code M4
13- Binary M0
14- Binary M1
15- Binary M2
16- Binary M3
17- Binary M4
18- Nudging (At full automatic door lifts, output at the end of photocell blocking time)
19- At Floor Signal
20- Up Arrow
21- Down Arrow
22- Fault (Inverse) (At normal position, there is always output; at fault position, output is cut off)
23- Overload
24- Out Of Service
25- CAM Relay
26- Fire Main Power (Fire main power contactor output)
27- Bridging Warn (Bridging warn output)
28- InspectionSpeed 2 (Second inspection speed output)

G.Maintenance Sets

01:Next Maintenance	01.01.2019	(Setting of next maintenance date)

02:At Maint.Date End	Only Warn	Only Warn Block The Lift
03:Reset Run Number	No	Yes, No *(After the maintenance, total run is reset)*
04:Delete Faults ?	No	Yes, No *(All registered faults are deleted)*

H.Evacuation Sets

01:Evacuation Type	EvacuateWithUPSdw	EvacuateWithUPSdw *(Rescue with UPS. First movement direction is down)* GearlessWithBrake *(At gearless machine systems, rescue operation with openning brake only)* EvacuateWithUPSup *(Rescue with UPS. First movement direction is up)* EvacuateWithKS10
02:Evacuation Delay	5 seconds	1-15 seconds *(After the detection of main power is cut, selection of waiting time to start the rescue operation)*
03:EvacuationMaxTime	40 seconds	10-200 seconds *(Selection of maximum movement time at rescue)*
04:Evacu.JF MoveTime	Passive	Passive, 0,1-10,0 seconds *(At rescue operation, after the detection of JF, selection of needed time to re-levelling)*

I.Shaft Learning

01:Learn Shaft	No	Yes, No *(If this parameter is chosen "Yes", shaft learning procedure is started)*
02:Hi.SpeedSlowDist.	120 cm	10-500 cm *(Starting distance selection of passing from the high speed to slow speed to the exact floor)*
03:Mid.Spd.SlowDist.	120 cm	10-500 cm *(Starting distance selection of passing from the high speed to slow speed when going to the nearest floor at high speed lifts)*
04:LowSpeedStopDist.	50 mm	1-200 mm *(While approaching to the target floor, selection of cutting distance of low speed signal)*
05:Dist.ToMidd.Speed	500 cm	1-500 cm *(To give the high speed signal, selection of the nearest floor minimum distance)*
06:Reader Lenght	300 mm	*Fixed!*
07:817 Position	Between 0-1 Floor	Between 0-1 Floor Between 1-2 Floor *(Selection position of 817 lower limit switch)*
08:Up Correct	Floor 01 00mm	Floor 01-31, For All -99, 0, 99mm *(Selection of precision levelling adjustment for each floor on up direction)*

09:Down Correct	Floor 00 00mm	Floor 00-30, For All -99, 0, 99mm *(Selection of precision levelling adjustment for each floor on down direction)*
10:Floor Heights	Floor 00= 0mm	Floor 00-15, -99, 0, 99mm *(After the shaft learning, tracing the floor heights that measured)*
11:CalculateDistance	Passive	Passive, Active *(For explanation, please look user manual)*
12:SlowingDistance3	50 cm	50-200 cm *(For explanation, please look user manual)*
13:Correction Mode	Passive	Floor 00-15, -99, 0, 99mm *(For explanation, please look user manual)*
14:819-820 Limits	Passive	Passive, Active *(If this parameter selected "Active"; when 819 and 820 limits switches are opened, middle speed (S3) is cut)*

J.General Settings

01:Factory Sets ?	No	Yes, No *(All parameter values are changed into factory settings)*
02:Clock Setting	00:00	*(Setting the clock)*
03:Date Setting	01.01.2017	*(Setting the date)*
04:Auto Tuning	No	Yes, No *(If this parameter selected YES, at UP and DOWN direction first movement in inspection mode, OSG/Brake Control input is not watched during 180 seconds.)*
05:DeleteBridge Err?	No	Yes, No *(Stored faults info is deleted about MLKR1 card)*
06:Delete UCM Error?	No	Yes, No *(Stored faults info as a result of UCM is deleted)*
07:UCM Up Test	No	Yes, No
08:UCM Down Test	No	Yes, No
09:ResetTotalRunNum.	No	Yes, No
10:Change Password	0000	*(Changing password)*
11:Cancel Password ?	No	Yes, No *(Password is cancelled, new value is 0000)*
12:SaveToDatakey	No	Yes, No
13:Read Datakey	No	Yes, No
14:Save To KABIN-R50	No	Yes, No
15:Read KABIN-R50	No	Yes, No
99:Version	1.01.01/01.01.2017	

K.Gong Settings

01:Car Gong	Passive	Passive, Active *(Selection of gong outputs on top of the car card passive or active)*
02:Floor Card Gongs	Passive	Passive, Active *(Selection of gong outputs on floor card passive or active)*
03:Gong Type	Single Sound	Single Sound (Single sound on up and down direction)

		Double Sound (Double sound on up and down direction) UpSingle,DownDbl. (Up direction single sound, down direction double sound) UpDbl.,DownSingle (Up direction double sound, down direction single sound) *(Selection of gong type on floor cards)*
04:Gong Ringing Time	When Car Stopped	When Car Stopped *(Gong signal when the car stopped)* While Car Slowing *(Gong signal when the car is slowing for the next floor)*
05:KABIN-R50 Gong	Passive	Passive, Active

L.Sound Settings

01:Reading Style	Reached 1st Floor	Floor 1, Reached 1st Floor, 1st Floor *(Chosing floor number)*
02:Floor Read Time	When Car Stopped	When Car Stopped *(Gong signal when the car stopped)* While Car Slowing *(Gong signal when the car is slowing for the next floor)*
03:Gong Type	Ding	Ding Ding Dong Down Ding, Up DD (Down direction ding, up direction ding dong) Up Ding, Down DD (Up direction ding, down direction ding dong) *(Selection of gong type on floor cards)*
04:Gong Play Time	When Car Stopped	When Car Stopped *(Gong signal when the car stopped)* While Car Slowing *(Gong signal when the car is slowing for the next floor)*
05:Read When Going	Passive	Passive, Active *(If this parameter is selected "Active", especially for the blinds detecting the floor changes, while each floor changing, the present floor is read. Gong is ringed when the car reaches floor level and "You reached the floor" is read.)*
06:869 Repeat Time	10 seconds	01-99 *Chosing waiting time between "Lift Out of Servive" reading)*
07:804 Repeat Time	5 seconds	01-99 *Chosing waiting time between "Lift Overload" reading)*
08:ReadStatusInform.	Passive	Passive, Active *Selection of permission of reading the car movement and door status information)*
09:Floor 00 Reading …. 40:Floor 31 Reading	Zero …. 31	Entry, Zero,1,2,3, …,29, Lobby, Restaurant, Carpark, Carpark 1…5, Basement, Basement 1…5, Terrace, Cinema, Sport Saloon, Swimming Pool, OperatingRoom *(Chosing for each floor reading)*