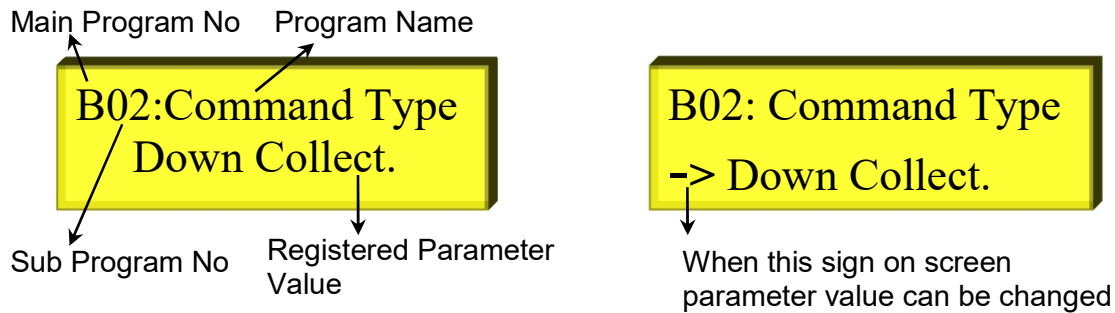


## ML40P\_v2 PROGRAMMING (Version 1.10 and over)

- When the lift is stand by position, by pressing ENTER button for 2 seconds, programming mode starts.



- You can choose any program by using UP and DOWN buttons.
- To exit the programming mode ESC button in the main menu is used, Exit Program is displayed on LCD screen. Press the ENTER button and exit the programming mode; to return the main menu again press the ESC button.
- When ENTER button in the main menu is pressed, the program on the screen starts.
- If the program has parameter, an arrow appears at the beginning of the second 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 main menu. By pressing the ESC button the registered value is valid and you can return the main menu. If the program is a function, it is run and Okey appears on LCD screen for 2 seconds.

## PARAMETERS

Program	Factory Set	Parameters / Explanations
<b>A.Language</b>		
A.Language	Turkce	Turkce, English, Русский, Polski, Български, Français
<b>B.SystemSettings</b>		
B01:Lift Type	Electrical	Electrical (lift that has geared motor) Gearless (lift that has gearless motor) Hydraulic 3v. (hydraulic lift with 3 valves) Hydraulic 4v. (hydraulic lift with 4 valves)
B02:Command Type	Up/DownMixCo.	Up/DownMixCo. (Car Calls and Floor Calls are connected to the same terminal. They are collective in both directions) Down Collect. (Car calls are collective in both directions, floor calls are collective in down direction) Up Collective (Car calls are collective in both directions, floor calls are collective in up direction) Selective Co. (Car calls are collective in both directions, floor down calls are collective in down direction, floor up calls are collective in up direction) OneWayCollect

		<i>(Car calls are collective in both directions; on the entry floor, car calls are collective in down direction and under the entry floor, car calls are collective in up direction)</i>
B03:Num. Of Floor	16	2-24
B04:Car Lamp Time	5 seconds	1-20 seconds <i>(The duration of car lamp ON)</i>
B05:LockWait Time	15 seconds	5-25 seconds <i>(After CAM energized waiting time for lock signal)</i>
B06:Max.HighSpeed	15 seconds	10-100 seconds <i>(Max moving time at high speed between two floors)</i>
B07:Max.Low Speed	10 seconds	5-100 seconds <i>(Max moving time at low speed)</i>
B08:Parking Time	30 seconds	10-100 seconds <i>(On stand-by, time of moving to park floor)</i>
B09:Park Floor	Passive	Passive, 0,1,..23 <i>(On stand-by, park floor to go)</i>
B10:Fire Floor	Passive	Passive, 0,1,..23 <i>(Target floor when detecting fire warning signal)</i>
B11:StopDelCalls	Passive	Passive, Active <i>(When pressed the stop button if the parameter value is passive, car calls are kept in the memory and vice versa)</i>
B12:DoublexSelect	Passive	Passive A Panel B Panel
B13:Phase Protect	Not Sequence	Passive Not Sequence Sequence 50Hz Sequence 60Hz
B14:PTC Control	Active	Passive, Active
B15:Phase Level	50	0-100 <i>(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)</i>
B16:RX Delay Time	2000 ms	Passive, 10-5000 ms <i>(At electrical lifts, after the motor stops, dropping time of the contactors that are connected to inverter output)</i> <i>(In hydraulic lifts, at starting to move in down direction, waiting time for dropping the direction valves after A3 valve dropped and at stopping, A3 valve dropping time after direction valves picked up)</i>
B17:Ins.Mov.Type	ToLimitSwitch	ToLimitSwitch <i>(In inspection mode, car is moved to up and down limit switches)</i> ToExactFloor <i>(In inspection mode, car is moved to up and down floor levels)</i>
B18:Re-lev.RXtime (B01=Electrical/Gearless) Star-Triangle (B01=Hydraulic 3/4v.)	Passive  400 ms	Passive, 10-5000 ms <i>(At electrical lifts, after the motor stops, dropping time of the contactors that are connected to inverter output)</i> <i>(In hydraulic lifts, star contactors dropping time)</i>
B19:OSGreactionT. (B01=Electrical/Gearless) ValveSt.Motor (B01=Hydraulic 3/4v.)	1500 ms  400 ms	Passive, 10-5000 ms <i>(At electrical lifts, if menu B32.OSG/BrakeCtrl parameter is selected "Passive", at starting to move, needed time for dropping of OSG selenoid or gearless motor brake)</i>

		<i>(Motor run time after the valves closed for hydraulic lifts)</i>
B20:Valve S.Delay	Passive	Passive, 10-5000 ms <i>(In hydraulic lifts, after triangle contactor output is given at up direction, valves energizing delay)</i>
B21:PositionReset	Passive	Passive, Active <i>(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!)</i>
B22:Max. Car Call	8	1,2,..24 <i>(maximum call number from the car)</i>
B23:KRC Control	Active	Passive, Active, Full Active <i>(Detection type of contactor dropped-picked up data that is coming to kontaktor control input (KRC))</i>
B24:Top LessFloor	Passive	Passive, 1,2,..5 <i>(In duplex working, up direction missing floor number of one of the lifts)</i>
B25:LowerLessFlo.	Passive	Passive, 1,2,..5 <i>(In duplex working, down direction missing floor number of one of the lifts)</i>
B26:Gong Timing	When Stop	When Stop <i>(Gong signal is given when the car is stopped)</i> While Slowing <i>(Gong signal is given when the car is slowing for the target floor)</i> Passive
B27:Entry Floor	0	0-7 <i>(Selection of entry floor used for OneWayCollective command type)</i>
B28:GrayBin.Start	0	0-5 <i>(At the up missing floor lifts, selection of the starting number of gray-code or binary output)</i>
B29: CallSCProtect	Active	Passive, Active <i>(If the parameter is active short-circuit protection of the call lamps are provided by microcontroller and vice versa)</i>
B30:SerI40 Gong	Active	Passive, Active <i>(Selection of giving gong output from the alarm speaker that is connected to MLSERI40 top of the car card)</i>
B31:Fl. Detection	M0pulse2magn	M0pulse2magn, Encoder <i>(selection of how to do the floor detection)</i>
B32:OSG/BrakeCtrl	Passive	Passive, Active, A3 Canceled (It can be selected by entering Puk code) <i>(when this parameter is selected "Passive", OSG/Brake contact is controlled only at the movement. If "Active" is selected, it is controlled at taking off and movement both. <u>If it is used for the lifts that is not suitable to En81-20 standard, to do this parameter "A3 Canceled", ML40P_v2 user must declare to our firm with writings and must accept the responsibility)</u></i>
B33:Re-levelling	Passive	Passive, Active
B34:Standart Type	EN 81-20	EN 81-20,EN 81-1/2+A3 <i>(selection of which standard that ML40P card will be run)</i>

B35:AtSpd.TimeEnd	Only Warn	Only Warn, SystemBlocked (Selection of the lift what to do at the end of the time that is set in B06 and B07 parameters)
B36:A3valveTraceT	Passive	Passive, 10, 20, ... 5000 ms (In hydraulic systems, after the car stopped, delay time of starting to detect the A3 valve feedback contact)
<b>C.Door Settings</b>		
C01:DoorTypeSet A	Flr00 CarDo.	(For each floor, A side door type can be set one by one and can be set at the same time)
C02:DoorTypeSet B	Flr00 NoDoor	(For each floor, B side door type can be set one by one and can be set at the same time)
C03:A D.Lim.Type	Without Limit	With Limit, Without Limit (Limit type selection of A side door mechanism)
C04:B D.Lim.Type	Without Limit	With Limit, Without Limit (Limit type selection of B side door mechanism)
C05:Reserve 1		(This parameter is reserved for future use)
C06:Wait At Floor	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)
C07:PhotocellTime	Passive	Passive, 1, 2, ... 99 seconds (Selection the time of cutting photocell signal and starting the nudging signal)
C08:Door OpenMax.	180 seconds	10-180 seconds (When the door stayed open, selection the time of warning)
C09:CAM Delay	Passive	Passive, 1, 2, ... 10 seconds (Selection of the pick-up time of the CAM relay after the car has stopped coming from the movement)
C10:Adv.Door Open	Passive	Passive, Active
C11:Dir.-Op.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)
C12:Door WaitOpen	Passive	Passive, Active (It can be selected by entering Puk code) (At full automatic door lifts, selection of waiting the door opened. <u>This situation is not suitable to EN 81-20 standard.</u> To do this parameter active, ML40P_v2 user must declare to our firm with writings and must accept the responsibility)
<b>D.DisplaySetting</b>		
D01:FloorDisp.Set	Flr00 Disp 0	Flr00-23 Disp 0-19, 1A, 1b, 1c, 1d (Display datas that will be screened on floors are changed)
D02:TargetF.Flash	Passive	Passive, Active

		(If this parameter is selected, in every floor, target floor is flashed twice)
<b>E.Prog. Inputs</b>  <b>(Programmable Inputs Sub Section)</b>		
	<b>Factory Settings for Electrical Lifts</b>	<b>Factory Settings for Hydraulic Lifts</b>
E01:ML40P-PG1	M0 Pulse	M0 Pulse
E02:ML40P-PG2	142 Contact	Not Used
E03:ML40P-PG3	Not Used	Not Used
E04:ML40P-PG4	Not Used	Not Used
E05:ML40P-PG5	Not Used	Not Used
E06:ML40P-PG6	Not Used	Not Used
E07:ML40P-PG7	Not Used	Not Used
E08:MLSERI65-EIN1	Down Re-lev.	141 Contact
E09:MLSERI65-EIN2	Up Re-level.	142 Contact
E10:MLSERI65-EIN3	Not Used	Not Used
E11:MLSERI65-EIN4	Not Used	Not Used
<b>Assignable Functions</b>  1- MLKS10-EXO1 (MLKS10 card communication input 1) 2- MLKS10-EXO2 (MLKS10 card communication input 2) 3- Down Re-lev. (Down re-levelling input) 4- Up Re-level. (Up re-levelling input) 5- Overload (Overload contact) 6- 142 Contact (Down levelling input for hydraulic lifts) 7- 141 Contact (Levelling input for electrical lift sor Up levelling input for hydraulic lifts) 8- Open (Door Open button) 9- Close (Door Close button) 10- Full Load (Full load contact) 11- Vatman (Vatman key input) 12- Fireman (Fireman key input) 13- K16 OpenLimit 14- K19CloseLimit 15- M0 Pulse (M0 bi-stabil contact) 16- Inspect.Reset (Pit inspection reset input) 17- Photocell 18- Change Dir. (Change direction input at UPS rescue) (This input can be used as Star-Triangel start input in hydraulic lifts) 19- DoorControl-1 (MLDC card communication input 1) 20- DoorControl-2 (MLDC card communication input 2) 21- FiremanDelCa. (Fireman delete calls input) 22- 819 DownLimit (Down limit swith input for middle speed) 23- 820 Up Limit (Up limit swith input for middle speed) 24- 2mToTopOfWell (Two meters to top of well contact) 25- 2meters ToPit (Two meters top it contact) 26- Door A Contact (Extra contact for car door A) 27- BridgingExist (Safety Circuit Bridging Box information input) 28- DoorMotor NTC 29- 130A Input 30- Door B Contact (Extra contact for car door B) 31- 135A input		
<b>F.Prog. Outputs</b>		

### **(Programmable Outputs Sub Section)**

	<b>Factory Settings for Electrical Lifts</b>	<b>Factory Settings for Hydraulic Lifts</b>
F01:ML40P-RB	OSG Relay	Not Assigned (Down (Low) Speed Valve)
F02:ML40P-RD	CAM Relay	Not Assigned (Up (Low) Speed Valve)
F03:ML40P-RC1	Gray-Code M0	Gray-Code M0
F04:ML40P-RC2	Gray-Code M1	Gray-Code M1
F05:ML40P-RC3	Gray-Code M2	Gray-Code M2
F06:ML40P-RC4	Gray-Code M3	Not Assigned (Star-Triangle start output)
F07:MLSERI65-EO1	Not Used	Not Used
F08:MLSERI65-GCx	Gray-Code	Gray-Code

#### **Assignable Functions**

- 1- Inspection
- 2- Car Lamp
- 3- Open Relay-B (Side B automatic door open relay)
- 4- Close Relay-B (Side B automatic door close relay)
- 5- Gong
- 6- Low Speed
- 7- Gray-Code M0
- 8- Gray-Code M1
- 9- Gray-Code M2
- 10- Gray-Code M3
- 11- Gray-Code M4
- 12- Binary M0
- 13- Binary M1
- 14- Binary M2
- 15- Binary M3
- 16- Binary M4
- 17- Nudging (At full automatic door lifts, output at the end of photocell blocking time)
- 18- AtFloorSignal
- 19- Fault(Invers)
- 20- CAM relay
- 21- Middle Spd. 2 (Second middle speed output)
- 22- FireMainPower (Fire main power contactor output)
- 23- Bridging Warn (Bridging warn output)
- 24- Inspect.Spd. 2 (Second inspection speed output)

#### **G.Maint.Settings**

G01:Mainten.Time	240 Days	10-240 Days (The number of days for the maintenance warning)
G02:AtEndOfM.Time	Only Warn	Only Warn SystemBlocked
G03:Maintenanced?	No	Yes, No (After the maintenance it is run, day and hour datas are deleted, working number after maintenance is deleted and saved faults are deleted)
G04>Delete Fault?	No	Yes, No

		(All registered faults are deleted)
<b>H.RescueSettings</b>		
H01:Rescue Type	RescueWithUPS	Resc.WithKS10 RescueWithUPS GearlessBrake (At gearless machine systems, rescue operation with opening brake only)
H02:Rescue Delay	5 seconds	1-15 seconds (After the detection of main power is cut, selection of waiting time to start the rescue operation)
H03:RescueMaxTime	40 seconds	10-200 seconds (Selection of maximum movement time at rescue)
H04:Res.JF M.Time	Passive	Passive, 0,1-10,0 seconds (At rescue operation, after the detection of JF, selection of needed time to re-levelling)
<b>I.Shaft Learning</b>		
I01:Learn Shaft	No	Yes, No (If this parameter is chosen "Yes", shaft learning procedure is started)
I02:HighSpd.Slow.	120 cm	10-500 cm (Starting distance selection of passing from the high speed to slow speed to the exact floor)
I03:Mid.Spd.Slow.	120 cm	10-500 cm (Starting distance selection of passing from the middle speed to slow speed when going to the nearest floor)
I04:Stop Distance	50 mm	1-200 mm (While approaching to the target floor, selection of cutting distance of low speed signal)
I05:Dist.ToMidSpd	500 cm	1-500 cm (To give the high speed signal, selection of the nearest floor minimum distance)
I06:Reader Lenght	30 cm	
I07:817 Position	Between0-1Fl.	Between0-1Fl. Between1-2Fl. (Selection position of 817 lower limit switch)
I08:Up Correct	Flr01 00mm	Flr01-23, All -99, 0, 99mm (Selection of precision levelling adjustment in up direction for each floor)
I09:Down Correct	Flr00 00mm	Flr01-22, All -99, 0, 99mm (Selection of precision levelling adjustment in down direction for each floor)
I10:Floor Height	Flr01 00mm	Flr01-23, 1mm=0cnt (After shaft learning, tracing of measured floor heights and count number per mm)
I11:Calc.Distance	Passive	Passive, Active (Selection of passing the slow speed with always calculating the distance to target floor)
I12:SlowingDist.3	50 cm	10-200 cm (Starting distance selection of passing from the second middle speed to slow speed when going to the nearest floor)
I13:CorrectionMod	Passive	Passive, Active (Selection of floor level correction mode from the car)
I14:TopOfWellDis.	200 cm	10-500 cm (Distance between the top floor and the top of well)

I15:Pit Distance	200 cm	10-500 cm (When the car is stopped at the exact floor at the bottom, distance between under the car and the bottom of the well)
I16:819-820Limit.	Passive	Passive, Active (If this parameter selected "Active"; when 819 and 820 limits switches are opened, middle speed (S3) is cut)
<b>J.GeneralSettings</b>		
J01:Factory Set ?	No	Yes, No (All parameter values are changed into factory settings)
J02:ResetCounters	No	Yes, No (Total working number reset)
J03:Change Passw.	0000	(Changing password)
J04:Cancel Passw.	No	Yes, No (Password is cancelled, new value is 0000)
J05:DelBridgeErr	No	Yes, No (Stored faults info is deleted about bridging section)
J06:Del UCM Error	No	Yes, No (Stored faults info as a result of UCM is deleted)
J07:UCM Up Test	No	Yes, No
J08:UCM Down Test	No	Yes, No
J09:Auto Tuning	No	Yes, No
J10:SaveTo Seri40	No	Yes, No
J11:Read Seri40	No	Yes, No
J99:Version		Ver:1.01.01 Update:01.01.2016
<b>K.Voice Settings</b>		
K01:Reading Style	Reached1stFl.	Floor 1, Reached1stFl., 1st Floor (Chosing reading style)
K02:FloorReadTime	When Stop	While Slowing, When Stop (When slowing: When the lift is slow down, floor reading is done. When stop: When the lift is stop, floor reading is done.)
K03:Gong Type	Ding	Ding; Ding Dong; DownDing,UpDD; UpDing,DownDD (Chosing gong type. DownDing,UpDD: If the car direction is down, Ding sound; if the car direction is up, Ding-Dong sound is given. UpDing,DownDD: If the car direction is up, Ding sound; if the car direction is down, Ding-Dong sound is given)
K04:Gong PlayTime	When Stop	While Slowing, When Stop (When slowing: When the lift is slow down, gong is served. When stop: When the lift is stop, gong is served)
K05:ReadWhenGoing	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)
K06:869RepeatTime	10 seconds	01,02,...,99 seconds (Chosing waiting time between "Lift Out of Servive" reading)
K07:804RepeatTime	5 seconds	01,02,...,99 seconds (Chosing waiting time between "Lift Overload" reading)



K08:Status Read	Passive	Passive, Active <i>(Selection of the reading permission of car movement or door position)</i>
K09:Floor00 Read. .... K32:Floor23 Read.	Zero .... 23	Entry, Zero, 1, 2, 3, ..., 31, Lobby, Restaurant, Carpark, Carpark 1...5, Basement, Basement 1...5, Terrace, Cinema, Sport Saloon, Swimming Pool, OperatingRoom (Chosing for each floor reading)