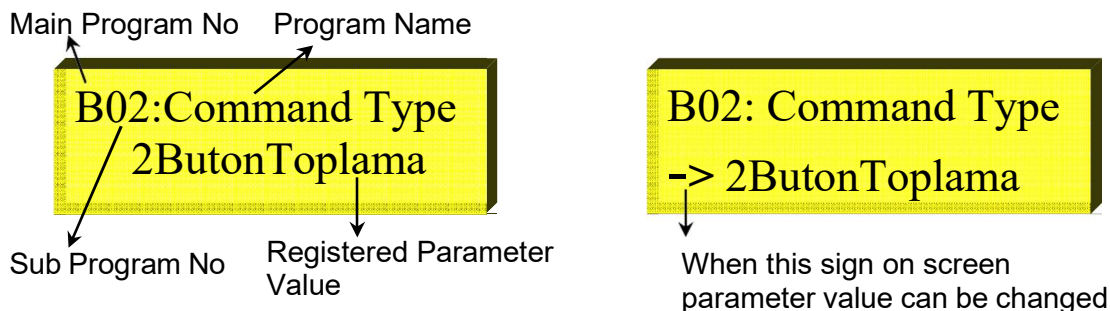# PROGRAMMING (Ver:1.3x)

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

Main Program No   Program Name

B02:Command Type
2ButonToplama

B02: Command Type
-> 2ButonToplama

Sub Program No   Registered Parameter Value

When this sign on screen parameter value can be changed

- 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 buton.
- 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
A.Language		
A.Language	Turkce	Turkce, English, Pусскɴñ
B.SystemSettings		
B01:Lift Type	TwoSpeed/VVVF	Electrical Hydraulic Gearless
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 *(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)*
B03:Num. Of Floor	16	2-24

B04:Car Lamp Time	5 seconds	1-20 seconds *(The duration of car lamp ON)*
B05:LockWait Time	15 seconds	5-25 seconds *(After CAM energized waiting time for lock signal)*
B06:Max.HighSpeed	15 seconds	10-100 seconds *(Max moving time at high speed between two floors)*
B07:Max.Low Speed	10 seconds	5-100 seconds *(Max moving time at low speed)*
B08:Parking Time	30 seconds	10-100 seconds *(On stand-by, time of moving to park floor)*
B09:Park Floor	Passive	Passive, 0,1,..23 *(On stand-by, park floor to go)*
B10:Fire Floor	Passive	Passive, 0,1,..23 *(Target floor when detecting fire warning signal)*
B11:StopDelCalls	Passive	Passive, Active *(When pressed the stop button if the parameter value is passive, car calls are kept in the memory and vice versa)*
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 *(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)*
B16:RX Delay Time	1500 ms	Passive, 10-5000 ms *(In speed control systems, when limit switch is on, selection of stripping distance)*
B17:Ins.Mov.Type	ToLimitSwitch	ToLimitSwitch *(In inspection mode, car is moved to up and down limit switches)* ToExactFloor *(In inspection mode, car is moved to up and down floor levels)*
B18:Star-Triangle	400 ms	Passive, 10-5000 ms *(Selection of star-triangle relay (RT) convert time for hydraulic lifts)*
B19:ValveSt.Motor	1500 ms	Passive, 10-5000 ms *(Motor run time after the valves closed for hydraulic lifts)*
B20:Hyd.Re-level.	Passive	Passive, Active *(Re-levelling for hydraulic lifts)*
B21:PositionReset	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)*
B22:Max. Car Calls	8	1-24 *(Maximum car calls accepted in the cabin)*

B23:StopFunction	Only Stop	Only Stop *(When stop (120) signal is cut, only lift is stopped; no operation is done about the car calls. End of the floor wait time, back to the normal working position)* Block Calls *(When stop (120) signal is cut, all car calls are registered and lift is stopped. After the stop signal, wait for any car call. After the car call, registered calls and the new call is collated and back to the normal working position)*
B24:Top LessFloor	Passive	Passive, 1,2,..5 *(In doublex working, up direction missing floor number of one of the lifts)*
B25:LowerLessFlo.	Passive	Passive, 1,2,..5 *(In doublex working, down direction missing floor number of one of the lifts)*
B26:Gong Timing	When Stop	When Stop *(Gong signal is given when the car is stopped)* While Slowing *(Gong signal is given when the car is slowing for the target floor)* Passive
B27:Entry Floor	0	0-7 *(Selection of entry floor used for OneWayCollective command type)*
B28:GrayBin.Start	0	0-5 *(At the up missing floor lifts, selection of the starting number of gray-code or binary output)*
B29: CallSCProtect	Active	Passive, Active *(If the parameter is active short-circuit protection of the call lamps are provided by microcontroller and vice versa)*
B30:CarSerialCard	Active	Passive, Active *(If serial communication card will be used, it must be chosen active)*
B31:Fl. Detection	Pulse	Pulse Encoder
B32:OSG/BrakeCtrl	Active	Passive, Active Cancel A3 (Puk:000000) *(At geary machine systems, over speed governor selenoid control card SKYA3 must be used. If it is used for the lifts that is not suitable to En81-1/2 + A3 standards, to do this parameter "passive", SKY65X user* *must declear to our firm with writings and must accept the responsibility)*
B33:Elect.Re-lev.	Passive	Passive, Active *(If needed re-levelling, this parameter is chosen active and SKYKR1 door bridging card must be used)*
	C.Door Settings	
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.LimitType	Without Limit	With Limit, Without Limit *(Limit type selection of A side door mechanism)*
C04:B D.LimitType	Without Limit	With Limit, Without Limit *(Limit type selection of A side door mechanism)*

C05:DoorRelay Set	A=65xB=Seri65	A=65xB=Seri65 *(A side door open/close signals are relays on 65X,* *B side door open/close signals are relays on SERI65)* B=65xA=Seri65 *(B side door open/close signals are relays on 65X,* *A side door open/close signals are relays on SERI65)*
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:CloseButDelay	2 seconds	Passive, 1,2,..20 seconds *(Delay time of close buton detection)*
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	Puk:000000 *(At full automatic door lifts, selection of waiting the* *door opened. <u>This situation is not suitable to En81-1/2</u>* *<u>+ A3 standards.</u> To do this parameter active,* *SKY65Xuser must declear to our firm with writings* *and must accept the responsibility)*
D.DisplaySetting		
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)*

E.Prog. Inputs

(Programmable Inputs Sub Section)

	Factory Settings for Electrical Lifts	Factory Settings for Hydraulic Lifts
E01:SKY65X-EIN1	SKYKS10-EXO1	K16 OpenLimit
E02:SKY65X-EIN2	SKYKS10-EXO2	K19 CloseLimit
E03:SKY65X-EIN3	Down Re-lev.	Overload
E04:SKY65X-EIN4	Up Re-level.	Not Used
E05:SKY65X-EIN5	Overload	141 (Fixed)
E06:SKY65X-EIN6	Fire	Fire
E07:SKY65X-EIN7	Earthquake	Earthquake
E08:SKY65X-EIN8	Open	Open
E09:SKY65X-EIN9	Close	Close
E10:SKYSERI65-EIN1	Vatman	Vatman
E11:SKYSERI65-EIN2	K16 OpenLimit	K16 OpenLimit
E12:SKYSERI65-EIN3	K19CloseLimit	K19CloseLimit

Assignable Functions

1- SKYKS10-EXO1 (SKYKS10 communication input 1)
2- SKYKS10-EXO2 (SKYKS10 communication input 2)3- Down Re-lev. (Down re-levelling input)
4- Up Re-level. (Up re-levelling input)
5- Overload (Overload contact)
6- Earthquake (Earthquake input)
7- Open (Open button)
8- Close (Close button)
9- Full Load (Full load contact)
10- Vatman (Vatman key input)
11- Fireman (Fireman key input)
12- K16 OpenLimit
13- K19CloseLimit
14- Panic (Panic button input)
15- Driver Fault (Inverter fault input at UPS rescue)
16- Change Dir. (Change direction input at UPS rescue)

F.Prog. Outputs

(Programmable Outputs Sub Section)

	Factory Settings for Electrical Lifts	*Factory Settings for Hydraulic Lifts*
F01:SKY65X-RY	Re-Lev. Speed	Not Assigned (Motor-Valve Auxiliary Relay)
F02:SKY65X-RT	AtFloorSignal (It can be set at KS10 rescue)	Not Assigned (Star-Triangle Relay)
F03:SKY65X-RB	Ups Contactor	Inspection
F04:SKY65X-OUT1	Gong	Gong
F05:SKY65X-OUT2	Middle Speed	Hyd.Re-lev.M.
F06:SKY65X-GC1	Gray-Code M0	Gray-Code M0
F07:SKY65X-GC2	Gray-Code M1	Gray-Code M1
F08:SKY65X-GC3	Gray-Code M2	Gray-Code M2
F09:SKY65X-GC4	Gray-Code M3	Gray-Code M3
F10:SKYSERI65-EO1	Nudging	Nudging
F11:SKYSERI65-GCx	Gray-Code	Gray-Code

Assignable Functions

1- Inspection
2- Car Lamp
3- Re-Lev. Speed (Re-levelling speed output at electrical lifts)
4- Ups Contactor (UPS-Inverter contactor at UPS rescue)
5- Gong
6- Hyd.Re-lev.M. (Lower power motor output at re-levelling in hydraulic lifts)
7- Middle Speed (Output when the target floor is the nearest floor at electrical lifts)
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- AtFloorSignal
20- Fault(Invers)

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 Faults?	No	Yes, No *(All stored faults are deleted)*
H.RescueSettings		
H01:Rescue Type	Resc.WithKS10	Resc.WithKS10 RescueWithUPS Gearless VVVF *(At gearless machine systems, rescue operation with VVVF motor control)* GearlessBrake *(At gearless machine systems, rescue operation with openning 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)*
I.Shaft Learning		
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.	80 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)*
I04:Low Spd.Slow.	70 mm	1-200 mm *(While approaching to the target floor, selection of cutting distance of low speed signal)*
I05:Dist.ToMidSpd	60 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 05mm	Flr00-23, All -99, 0, 99mm *(Selection of precision levelling adjustment in up direction for each floor)*
I09:Down Correct	Flr00 05mm	Flr00-23, All -99, 0, 99mm *(Selection of precision levelling adjustment in down direction for each floor)*
I10:Floor Height	Flr01 0mm	Flr01-23, 1mm =0cnt *(After shaft learning, tracing of measured floor heights and count number per mm)*

J.GeneralSettings		
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:DelSKYKR1Error	No	Yes, No *(Stored faults info is deleted about SKYKR1 card)*
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
J99:Version		Ver:1.26.01 Update:08.04.2013