SECURLIFT®
Elevator Digital Technology

SECUR3
electrification system

Programming manual

Compatibility:			Boot sw. rev.:	2.07
controller board:	SEC-3Q	rev. 1.1	sw. rev.:	02.69n
extension board:	SEC-3AUX	rev. 1.0	sw. rev.:	- -
safety circuit board:	SEC-3S	rev. 1.1	sw. rev.:	- -
car board:	SEC-3C	rev. 1.0	sw. rev.:	04.32
I/O board::	SEC-3I/O	rev. 1.0	sw. rev.:	02.12
COP board:	SEC-3TRG	rev. 1.1	sw. rev.:	04.38
landing boards:	SEC-2L	rev. 1.0	sw. rev.:	02.03A
options board:	SEC-2OPT	rev. 1.0	sw. rev.:	02.04
programming tool:	SEC-3KBD	rev. 1.0	sw. rev.:	04.31

Programming:
In order to enter in PROGRAMMING way:
· press and keep the button M for 3"; the display shows the menu 00 - "EXIT"
· press ▶ or ◀ to select the desired menu
· press M to enter in the selected menu
· ▶ (S4): scroll the parameters forwards
· ◀ (S2): scroll the parameters backwards
· ▲ (S1): increase the parameter value
· ▼ (S3): decrease the parameter value
· press M exit from the selected menu
In order to exit from the PROGRAMMING mode:
· select the menu 00 - "EXIT"
· press M
· ▶ (S1): save the made modifications (User)
· ◀ (S2): exit without save

par.	display	default	factory	user	possibilities	note

00.EXIT

00.01	Save changes	M = OK			◄ no ok ►	Ok ► = quit without saving ◄ no = save and exit

01.BASIC

01.01	Language	Italiano	**FALSO**		Italiano English Francais Deutsch	
01.02	Number of stops	2			02 . . 32	Sets the total stops of the lift.
01.03	Main floor	01			01 . . 09	Sets where is the main floor
01.04	Parking floor	01			01 . . 32	ATTENTION: always 01 with hydro installations
01.05	Call system	SAPB			SAPB Collect. APB/Coll ~~Duplo~~	Push button logic Collective logic Push button at landings - Collective in car Not used
01.07	Run time Superv.	025s				Set the Run Time Supervision between adjacent floors
01.08	Parking time	015m				ATTENTION: HYDRO=15m=15 max. 000 = function disabled
01.09	Busy time	003s				003s = with automatic door 008s = with swing door
01.10	Securlift s/n:					Save the controller serial number (Securlift s/n)

02.MOTOR DRIVE

par.	display	default	factory	user	possibilities	note
02.01	Lift Type	Hydraul.			None	
					Hydraul.	Hydraulic lift
					Traction	AC 1 or 2 speed; or V3F open loop
					Trac.Dig	V3F closed loop - Digital Shaft see schematics page 91
					Hydr.Dig	Hydraulic - Digital Shaft - LIMAX 2 see schematics page 91
02.02	Hydraulic Select	Hydr.Std			Hydr.Std 3010 sft 3010 2ch 3010s2ch 3100-e2 ALGI 4v BUCHER MORIS sf 2MC sft GMV GEV ALGI AZR STARTe90 DOUBLE V3F MED BUCHER-- iValve BU.DsvA3 NGV A3 BucherVF iValveVF START A3 AZFR- VF	HYDRO ONLY

par.	display	default	factory	user	possibilities	note
02.03	Aux. MicroLevel.	No			No Yes	WITHOUT auxiliary microlevelling motor pump WITH auxiliary microlevelling motor pump
02.04	Star Time	0.00			0.50 = 0.5 sec. 1.00 = 1 sec.	HYDRO ONLY set the star starting time
02.05	High Speed T.	0.50			0.50 = 0.5 sec. 1.00 = 1 sec.	HYDRO ONLY set the the high speed valve open delay
02.06	UP Stop Time	0.20			0.10 = 0.1 sec. 1.00 = 1 sec.	HYDRO ONLY - IN UP DIRECTION Set the delay between floor stop magnets (ID+IU) and drive end. ATTENTION: the longer is the time set, the wider must be the magnets overlap.
02.07	DN Stop Time	0.20			0.10 = 0.1 sec. 1.00 = 1 sec.	HYDRO ONLY - IN DOWN DIRECTION Set the delay between floor stop magnets (IU+ID) and drive end. ATTENTION: the longer is the time set, the wider must be the magnet overlap.
02.08	MicroLev. Stop T	0.00			0.10 = 0.1 sec. 1.00 = 1 sec.	HYDRO+MICROLEV. ONLY Set the delay between floor stop magnets (ID+IU) and drive end, when microlevelling.
02.09	Soft Stop T.	0.00			0.10 = 0.1 sec. 1.00 = 1 sec.	HYDRO ONLY Set the Soft Stop delay time

par.	display	default	factory	user	possibilities	note
02.10	Traction Select				2 Speed FUJI ~~CT UNI~~ VACON ~~CT SP~~ ~~SIEI~~ VACON BL ~~YO YO~~ ZETADYN V3F gen. .. 10 .. .. 11 .. .. 12 .. .. 13 .. .. 14 .. .. 15 .. .. 16 .. .. 17 .. .. 18 .. .. 19 ..	TRACTION ONLY
02.11	Direction Time	0.50			0.50 = 0.5 sec.	TRACTION ONLY Set time between contactor energizing and direction command to inverter
02.12	Start Time	0.20			0.20 = 0.2 sec.	TRACTION ONLY Set time between direction signal and speed signal (run order) to inverter.

par.	display	default	factory	user	possibilities	note
02.13	Stop Time	0.20			0.20 = 0.2 sec.	TRACTION ONLY Set the delay between floor stop magnets (IU+ID) and drive end. ATTENTION: the longer is the time set, the wider must be the magnet overlap. NOT ACTIVE with ELGO LIMAX2
02.14	Zero Speed Time	04.0			04.0 = 4 sec.	TRACTION ONLY Set the waiting time for zero speed signal from inverter
02.15	Brake Time	00.5			00.5 = 0.5 sec.	TRACTION ONLY Set mechanic brake off time
02.16	DZSM Control	No			No Yes	Enables the security module DZSM supervision
02.17	Door Zone Sensor	No			No Yes	Yes if: • advance door opening • re-levelling
~~02.18~~	~~Pawl Device~~	~~No~~			~~NO = without Pawl Device~~ ~~Yes = with Pawl~~	~~NOT ACTIVE~~ ~~DO NOT USE~~

par.	display	default	factory	user	possibilities	note
02.19	Inspection Top	No			No Yes TEST	Allows inspection run, in low speed, until terminal floor level. Enable the final limit switch test. Please check the installation manual
02.20	Inspection Speed	High			Low High	ATTENTION! On installations with nominal speed exceeding 0.63m/s always set LOW NOT ACTIVE on V3F installation
02.21	MOT-T Analog Lev	100			000 . . 250	Sets the temperature motor protection threshold (thermistors). CHECK ON THE INSTALLATION
02.22	Low Speed	I L• H			I = Intermediate L = Low H = High	Sets the low speed output
02.23	Int. Low Speed	I• L• H			I = Intermediate L = Low H = High	Sets the intermediate-low speed output
02.24	Int. High Speed	I• L H•			I = Intermediate L = Low H = High	Sets the intermediate-high speed output

par.	display	default	factory	user	possibilities	note
02.25	High Speed	I L H•			I = Intermediate L = Low H = High	Sets the high speed output
02.26	Reset Speed	I• L• H•			I = Intermediate L = Low H = High	Sets the reset speed output ATTENTION! On traction lift with LIMAX2 sets the re-levelling speed
02.27	Inspection Speed	I• L H			I = Intermediate L = Low H = High	Sets the inspection speed output
02.28	ShortFloor Speed	I• L• H			I = Intermediate L = Low H = High	Sets the short floor speed output
02.29	Re-levelling	No			No Test	TRACTION ONLY Enables the re-levelling drive TEST = re-levelling simulation by UP/DN buttons on the programming keyboard
02.30	T. Stop Re-level	0.20			0.20 = 0.2 sec.	IN RE-LEVELLING (if present) Set the delay between floor stop magnets (IU+ID) and drive end. ATTENTION: the longer is the time set, the wider must be the magnets overlap.
02.31	A3 test enable	No			No 2 Brakes	TRACTION ONLY + A3 ammendement Enables the two brakes monitoring No with VACON inverter
02.32	A3 test enable	No			No 2 Valv. iValve NGV A3 NgvA3 +m SecVALVE	HYDRO + A3 ammendement Hydraulic with double down valve A3 BUCHER iValve GMV - NGV A3 GMV - NGV A3 + supervision • A3 valve 300ms advanced, 1.5s delayed

par.	display	default	factory	user	possibilities	note
02.33	A3 error block	No			No Yes TEST	Set the lift out of service in case of A3 control error
02.34	Synchron. Type	Bott. Fl			Bott. Fl Top Fl. Optimiz.	Synchronisation at bottom floor Synchronisation at top floor Synchronisation logic optimized
02.35	TStop Re-lev. UP	0.20			0.20 = 0.2 sec.	HYDRAULIC - RE-LEVELLING/UP Set the delay between floor stop magnets (ID+IU) and drive end. ATTENTION: the longer is the time set, the wider must be the magnets overlap.
02.36	TStop Re-lev. DN	0.20			0.20 = 0.2 sec.	HYDRAULIC - RE-LEVELLING/DOWN Set the delay between floor stop magnets (IU+ID) and drive end. ATTENTION: the longer is the time set, the wider must be the magnets overlap.
02.37	Time test A3	00:00			00:00 . . 23:59	HYDRAULIC Set the time (HH:mm) for the A3/2Valve test.
02.38	Enable EN81-20	No			No Yes	-

par.	display	default	factory	user	possibilities	note

03.DOORS

03.01	Car Entrances	01			01 . . 02	01 = car with single entrance 02 = car with double entrance
03.02	Open Side	M = OK			No Open Side A Side B Side A+B Selectiv	WITH 2 ENTRANCES ONLY
03.03	Pre-Opening	No			No Yes	To be enabled only if Door Zone Sensor is provided (02.17 = Yes)
03.04	Ret.Cam ON Time	01.5			01.5 = 1.5 sec.	Time left to ramp to pull, before declare an error
03.05	Ret.Cam OFF Time	00.0			01.0 = 1 sec.	Ramp OFF delay after doors arrival 00.0 = Wait for door open end
03.06	T. Excl. Group	020s			020s = 20 sec.	Time before calls cancelling and "out of group" is declared when the door can't close due to external reasons
03.07	Photoc.Excl.Time	000s			001s = 1 sec.	NUDGING: after the set time is elapsed the photocell is disabled and door close anyway 000 = function disabled
03.08	Close Retries	005			005 = 5 attempts	Set the attempts number close/open before the door/ramp protection intervene
03.09	Door Reset Time	002m			002m = 2 min.	Lift blocked time for door protection. When time elapses attempts start again.

par.	display	default	factory	user	possibilities	note
03.10	Door Open Butt.	N.O.			None N.O. N.C.	Door Open button input - C9/1 N.O. = normally OPEN contact N.C. = normally CLOSED contact
03.11	Door Close Butt.	N.O.			None N.O. N.C.	Door Open button input C9/2
03.12	Safety Edge	N.C.			None N.O. N.C.	Safety Edge input C2A/3; C3B/3
03.13	Photocell	N.C.			None N.O. N.C.	Photocell input C3A/1; C3B/1
03.14	Open After Reset	Yes			No Yes	Door opening and closing after a RESET operation
03.15	T.delay Pre-open	00.0			0.20 = 0.2 sec.	Delay time to advance door opening
03.16	T.delay Open	00.0			0.20 = 0.2 sec.	Delay time to door opening after retiring ramp off
03.17	Type Doors	No			No 3phase Learning CloseA+B	3 phase doors optimisiation Learning run doors optimisation Side A+B simultaneous close command
03.18	Reopen.inFET/FEB	No			No Yes	Presence detectors at floors

par.	display	default	factory	user	possibilities	note

3A.SIDE A DOOR
3B.SIDE B DOOR

3A.01 3B.01	Type	Automat.			Manual SemiAut. Automat.	Manual = manual door SemiAut. = semi automatic door Automat. = automatic door
3A.02 3B.02	Parking Doors	Closed			Open Closed	Open = car parked when doors open Closed = car parked when doors closed
3A.03 3B.03	Open Wait Time	005s			005s = 5 sec.	Set time the door is kept open: • after arrival • after door open button operation
3A.04 3B.04	Reopen Wait Time	005s			005s = 5 sec.	Set time the door is kept open: • after photocell operation • after safety edge operation
3A.05 3B.05	Protection Time	020s			020s = 20 sec.	Set max operation time for door A
3A.06 3B.06	Open Limit	N.C.			None N.O. N.C.	Door open Limit switch - C2A/1
3A.07 3B.07	Close Limit	N.C.			None N.O. N.C.	Door close limit switch - C2A/2
3A.08 3B.08	Open Command	Stop Lim			Stop Lim Cont. ON	Stop Lim = falling on limit switch Cont. ON = always active
3A.09 3B.09	Close Command	Stop Lim			Stop Lim Cont. ON	Stop Lim = falling on limit switch Cont. ON = always active

par.	display	default	factory	user	possibilities	note
3A.10 3B.10	Run Close Cmnd.	None			None Pulse Cont. ON	Impuls = close command pulse at departure (see 3A.11) Cont. ON = active command during closing and run
3A.11 3B.11	Close Pulse Time	00.0			01.0 = 1 sec.	ONLY IF 3A.10 = Impuls Sets close impulse time at departure
3A.12 3B.12	Antirebound Time	0.50			0.50 = 0.5 sec.	Sets time delay between door closing (LOCKS) and start. Allows settlement of safety contacts in order to avoid rebound at starting.
3A.13 3B.13	Open Ext. Time	00.0			01.0 = 1 sec.	Extend the open command time 00.0 = Function disabled
3A.14 3B.14	Reopen Ext. Time	00.0			01.0 = 1 sec.	Extend the reopen command time 00.0 = Function disabled
3A.15 3B.15	Floor Open Wait	No			01 . . 32	Selection of a possible floor for open door parking
3A.16 3B.16	Nudging	No			No Yes	Low speed door closing after photocell time

04.OPTIONS

par.	display	default	factory	user	possibilities	note
04.01	Car Pos. Ind.	Bin. 1			7Segment Bin. 0 Bin. 1 1xFloor	Set the output for position indicator in car • output on SEC-3C board
04.02	Ldg. Pos. Ind.	Bin. 1			7Segment Bin. 0 Bin. 1 1xFloor	Set the output for position indicator at landings • output on SEC-3LPI board
04.03	Aux. Pos. Ind.	Bin. 1			7Segment Bin. 0 Bin. 1 1xFloor	Set the output for position indicator connected to SEC-3I/O board
04.04	Car Light Time	002m			002m = 2 min.	Set the time for automatic car light/fan switch off.
04.05	Priority Control	No			No Yes	Enables the landing priority call function.
04.06	Set 1 speed mode	No			No Yes	
04.08	Priority Key	Car Key			Hospital Car Key CarButt. Concierg	Hospital = timed priority mode Car Key = priority mode under key switch control CarButt. = priority mode under key switch control Concierg = consierge priority mode
04.09	Priority Time	003			003 = 3 sec.	Set priority time
04.10	Stop/Out-Service	None			None SlowStop Stop OSS	function disabled STOP with slow down Immediate STOP Out of service
04.11	Car Here Signal	No			No Yes FCA	Enables the CAR HERE signal at landings FCA = activation after door opening

par.	display	default	factory	user	possibilities	note
04.12	FalseCalls Canc.	No			No Yes	Car calls cancelling after two consequent stops without photocell or swing door intervention.
04.13	Beeper	No			No Yes	Enables the call registered acoustic signal (EN81-70)
04.14	Visitors Drive	No			No Yes	Enables the VISITORS function
04.15	Visitors Floor	01			01 . . 32	Selection of the VISITORS entrance floor
04.16	Visitors Side	Side A			Side A Side B	Select the VISITORS entrance side
04.17	Visitor Time Lim	010s			010s = 10 sec.	Time for which the car button is enabled in VISITORS drive
04.18	EN81/21	No			No FCU EU	No = function disabled FCU = control of inspection limit switch EU = NOT USED
04.19	En.blink arrival	00			00 01 02 03	No blinking Various blinkings
04.20	SEC-3Q MR Temp.	Yes			No Yes	Enables the machine room temperatur supervision by the SEC-3Q board sensor
04.21	Blink Car Call	00			00 01 02	Selection of a blinking for the "car coming" signalisation

par.	display	default	factory	user	possibilities	note
04.22	Landing Arrows	LAL			DIA LAL	Direction arrows. DO NOT USE with COLLECTIVE logic Hall lanterns - Next direction
04.23	Timer priority	010s			010s = 10 sec.	After a landing priority call, time left to place a car priority call
04.24	Homelift mode	No			No Man AUTO AUTO2	Enables the "MAN PRESENT" function FOR HOME-LIFT ONLY!
04.25	Push2t del callC	No			No Yes	Double button pressure starts DOOR CLOSE Double button pressure cancels call
04.26	FET/FEB mode	No			SuperVIP Visitor2	 Enables second Visitor floor
04.27	Visitor Floor 2	01			01 . . 32	Selection of the second VISITORS entrance floor
04.28	Visitor Side 2	Side A			Side A Side B	Select the VISITORS 2 entrance side

05.FIRE

par.	display	default	factory	user	possibilities	note
05.01	Fire Recall	No			No FIDc FIDo	Function disabled Fire recall and parking with door closed Fire recall and parking with door open
05.02	Fireman Drive	No			No _____1 De _____3 Fr Nl _____5 _____6 Au EN8172 EN8172CC	Function disabled Not used German Not used Netherland Fireman's Drive Not used Not used Firemen's drive AUSTRALIA EN 81-72 without car key switch (FR, NL) EN 81-72 with car key switch (IT, BE)
05.03	Evaq. Floor 1	01			01 . . 32	Set the main fire evacuation floor
05.04	Evaq. Side 1	Side A			Side A Side B Side A+B	Set the main fire evacuation side
05.05	Evaq. Floor 2	01			01 . . 32	Set the auxiliary fire evacuation floor
05.06	Evaq. Side 2	Side A			Side A Side B Side A+B	Set the auxiliary fire evacuation side
05.07	FPD - U36	No			No Yes Din.Fid	Enables the U36 function (NDNS) Enables the dynamic fire recall
05.08	IN1:(P3_4) Mode:	No			No FIDCH Re FID2 FRD2	Selects the input P3/4 function FIDCH Re = Swiss FID with reset FID2 = second FID key FRD2 = second FRD key

par.	display	default	factory	user	possibilities	note

06.SHORT FLOORS

06.01	Short Floors	No			No Yes	Enables the short interfloor calculation function (SFD) IF DIGITAL SHAFT USE THIS MENU ONLY TO INDICATE TOP OR BOTTOM SHORT FLOORS
06.02	Normal	Normal			Normal Short V-Short	Normal interfloor Short interfloor (with deceleration magnets) Very Short interfloor (without deceleration magnets)

07. SHAFT SETUP (if digital shaft only)

par.	display	default	factory	user	possibilities	note
07.01	Encoder Type	Incremen			Incremen Limax2 ~~Limax33~~	Incremental encoder (on motor or on overspeed governor) LIMAX 2 absolute encoder ~~DO NOT USE!~~
07.02	Encoder Divider	050				IF DIGITAL SHAFT + Incremental Encoder Value to be manually inserted. In case of modification, before shaft and deceleration setup, exit the programming mode and save modification. Then enter again and proceed to setup.
		No			No Yes Double	LIMAX 2 absolute encoder Set Yes if Shaft Height <= 60mt LIMAX 2 absolute encoder Set Yes if Shaft Height > 60mt
07.03	AccelerationTime	06			06 = 6 sec.	Sets the launch time before deceleration spaces measuring. Increase time for high speed lift.
07.04	Floors Setup	M = OK				**FOR INCREMENTAL ENCODER** **Press (M) to start sequence.** **Lift perform a set-up run, in inspection speed, and register the floors level.** **FOR LIMAX 2** **Please refer to installation manual.**
07.05	Slowdown Setup	M = OK				Press (M) to start sequence. Lift perform several travels at different speeds, and registers the needed deceleration spaces

par.	display	default	factory	user	possibilities	note
07.06	Door zone	150mm				IF LIMAX 2 ONLY *** ATTENTION: in case of short floors, this parameter has to be less than half the shortest interfloor distance. Minimum 30mm
07.07	Range Stop	00040mm				TRACTION + LIMAX 2 only
07.08	Range Stop UP	040mm				HYDRAULIC + LIMAX 2 only
07.09	Range Stop DN	040mm				HYDRAULIC + LIMAX 2 only
07.10	Range Relevel.	060mm				IF LIMAX 2 ONLY
07.11	Range Synch.	01300mm				IF LIMAX 2 ONLY
07.12	Range StopRelev.	010mm				TRACTION + LIMAX 2 only
07.13	Range StopRel.UP	010mm				HYDRAULIC + LIMAX 2 only
07.14	Range StopRel.DN	0				HYDRAULIC + LIMAX 2 only
07.15	Reload dig-pulse	No			No Yes	IF DIGITAL SHAFT - Incremental Encoder Set automatic correction at floors passing
07.16	SEC_3SPEED space	01200mm			1200 . . 4000 mm	ONLY FOR LIMAX 2 >1.6m/s

08.FLOOR LEVELS (if digital shaft only)

par.	display	default	factory	user	possibilities	note
08.01	01 L00000 H00000	L00000 Hnnnnn			FLOOR 01 L always L.00000	ONLY IF INCREMENTAL ENCODER Value is calculated during shaft setup (07.04)
	02 Lnnnnn Hnnnnn	Lnnnnn Hnnnnn			FLOOR 02	
	NN Lnnnnn Hnnnnn	Lnnnnn Hnnnnn			FLOOR NN	
08.01	P01-02:nnnnn	nnnnn			Floor distance P01-02	IF LIMAX 2 ONLY Value is calculated during shaft setup (07.04)
	P02-03:nnnnn	nnnnn			Floor distance P02-03	
	PNN-NN:nnnnn	nnnnn			Floor distance PNN-NN	

09.DECELERATIONS (if digital shaft only)

par.	display	default	factory	user	possibilities	note
09.01	Low Speed	nnnn			0	Space to be run at slow speed, before stop at floor (LOW) Value is calculated during the setup (menu 07.05)
09.02	Int. Low	nnnn			0	Space needed to decelerate from Intermediate Low speed (INSP+LOW) Value is calculated during the setup (menu 07.05)
09.03	Int. High	nnnn			0	Space needed to decelerate from Intermediate High speed (INSP+HIGH) Value is calculated during the setup (menu 07.05)
09.04	High Speed	nnnn			0	TRACTION ONLY Space needed to decelerate from High speed (HIGH) Value is calculated during the setup (menu 07.05)
09.04	HighSpeedUP.....	nnnn			0	HYDRAULIC ONLY Space needed to decelerate from High speed (HIGH) in UP direction Value is calculated during the setup (menu 07.05)
09.05	HighSpeedDN.....	nnnn			0	HYDRAULIC ONLY Space needed to decelerate from High speed (HIGH) in DOWN direction Value is calculated during the setup (menu 07.05)

par.	display	default	factory	user	possibilities	note

10.CLOCK

	date - time dd/mm/yyyy - hh:mm					To be set manually

11.I/O SETUP

11.01	Overload	N.C.			None N.O. N.C.	C6/1; P2/1 - OVERLOAD switch Normally OPEN contact Normally CLOSED contact
11.02	Full Load	N.O.			None N.O. N.C.	C6/2; P2/2 - FULL LOAD switch Normally OPEN contact Normally CLOSED contact
11.03	Minimum Load	N.O.			None N.O. N.C.	C6/3 - P2/3 - MIN. LOAD switch Normally OPEN contact Normally CLOSED contact
11.04	Ldg. Priority	N.O.			None N.O. N.C.	PKH/1 - PRIORITY switch at landing Normally OPEN contact Normally CLOSED contact
11.05	Car Priority	N.O.			None N.O. N.C.	CT8/3 - PRIORITY call in car Normally OPEN contact Normally CLOSED contact
11.06	Ldg. OSS M.L.	N.O.			None N.O. N.C.	PKH/2; P3/3 - OUT OF SERVICE sw. at landing Normally OPEN contact Normally CLOSED contact
11.07	Car OSS	N.O.			None N.O. N.C.	CT8/2 - OUT OF SERVICE switch in car Normally OPEN contact Normally CLOSED contact
11.08	FID	N.O.			None N.O. N.C.	P3/1 - FIRE RECALL switch Normally OPEN contact Normally CLOSED contact
11.09	FRD Landing Key	N.O.			None N.O. N.C.	P3/2 - FIREMAN DRIVE switch at landing Normally OPEN contact Normally CLOSED contact
11.10	FRD Car Key	N.O.			None N.O. N.C.	CT8/1 - FIREMAN DRIVE switch in car Normally OPEN contact Normally CLOSED contact

par.	display	default	factory	user	possibilities	note
11.11	Car Light Check	N.O.			None N.O. N.C.	C12/3 - Car Light supply supervision Normally OPEN contact Normally CLOSED contact
11.12	TRG CT9_4	N.O.			None N.O. N.C.	CT9/4 - Car call lock - LOC A Normally OPEN contact Normally CLOSED contact
11.13	LOL Landing	N.O.			None N.O. N.C.	PKH/3 - Landing call lock - LOL Normally OPEN contact Normally CLOSED contact

12.COUNTERS

12.01	Total Runs	-			read only	ATTENTION: the total run counter it reset against "Charge DEFAULT"
12.02	Partial ▲=Reset	-				▲ to reset M to confirm
12.03	UP Re-levellings	-			read only	HYDRO ONLY Shows the levelling number up direction
12.04	Side A Openings	-			read only	Shows the door side "A" openings numbers
12.05	Side B Openings	-			read only	Shows the door side "B" openings numbers
12.06	Ropes Countdown	None			-nnnn -nnnn	Shows the door side "B" openings numbers

par.	display	default	factory	user	possibilities	note

13.PASSWORD

13.01	Back to menu	-				
13.02	Change Password	-			PIN:---- = no password PIN:0000 = password enabled	Allows to insert a password code
13.03	Remove Password				◄ no ok ►	Allows to cancel the password
13.04	Enable SECURITY	No			No Yes	
13.04	Enter PIN: ____					
13.05	RepeatPIN: ____					
13.06	PIN checked ok					
13.07	Different PIN					
13.08	Wrong PIN EXIT	-				

14.DUPLEX/GROUP

14.01	Group Logic	Simplex			Simplex 2x 3x 4x	Select the installation group type
14.02	Group ID	01			01 = lift 1 02 = lift 2 03 = lift 3 04 = lift 4	Sets the lift number inside lift group
14.03	Addit.Floor Call	No			No Lowest Highest	Additional DN call Additional UP call
14.04	Synch. at floor	01				Sets the bottom floor alignment on lift group, where one of the elevators has an additional floor.
14.05	software group:	00				

par.	display	default	factory	user	possibilities	note

15.CAR CALL CODE

15.01	Car Code	No			No Yes Timer ct9_4 ct9_4+Tm ct9_4push ct9_4code	No = function disabled Yes = function enabkled Timer = enabled by timers (Tm1, Tm2, Tm3)
15.02	P:__-_ Code:___					ONLY IF 15.01 = YES • To apply code to side B hold button ◄ until B apperars • To return on side A, hold button ► until A appears MAX. CODE VALUE = 255
15.03	Super Code	No			No Yes	Enables a code which unlocks all the car calls
15.04	Super Codice	000				Set a code which unlocks ALL the car calls
15.5	Tm1	MTWTFSS 0000-0000				Set days and times for car code enabling
15.6	Tm2	MTWTFSS 0000-0000				Set days and times for car code enabling
15.7	Tm3	MTWTFSS 0000-0000				Set days and times for car code enabling

30.AUDIO

par.	display	default	factory	user	possibilities	note
30.01	Voice Synth.	No			No Yes	Voice syntesizer enable
30.02	First Language	Italiano			Italiano English Francais Deutsch Dutch Russian	Set the first speech language
30.03	Second Language	No			No Italiano English Francais Deutsch Dutch Russian	Set the second speech language
30.04	Day Volume	02				Adjust the max. speech volume
30.05	Night Enable	No			No Yes	Volume reduction enable
30.06	Night Volume	00				Adjust the speech volume during night time
30.07	Night Start Time	00:00				Sets the start night time
30.08	Night End Time	00:00				Sets the end night time
30.09	Trigger	Opening			Opening Slowdown Stop	Floor announcment on door opening Floor message on slow down Floor message at stopping
30.10	Gong Synth.	No			No var TONE TONE 1 TONE 2 TONE 3 TONE 4	Gong disabled Gong internal - to be used without voice synthesis to be used with voice synthesis to be used with voice synthesis to be used with voice synthesis to be used with voice synthesis
30.11	Optional	No			No Yes	Enables optional messages to be announced

par.	display	default	factory	user	possibilities	note

50.SPECIAL SEC3

50.01	Rated Speed m/s	01.0				Set the nominal speed of the installation in m/s for the emergency visualisation.
50.02	Set rated speed pulse:	No			No Yes	Enables the pulse acquisition from the encoder at nominal speed (to reset the impulses press togethr up and down button on the programming keypad).
50.03	Invert UP/DN ENC	No			No Yes	Invert the visualisation UP/DN (during emergency) on the SEC-3Q board
50.04	Fuji POLETUNING	No			No Yes	*** ALWAYS NO ***
50.05	Fuji-CAN3 enable	No			No Yes	CAN communiction activation to inverter
50.06	Fuji MOT T en.	No			No Yes	Motor thermistor reading by inverter
50.07	Fuji UP/DN Inv.	No			No Yes	Motor rotation invert. Do not modify E98 and E99 parameter on FUJI drive.
50.08	Eme. Ramp slow	No			No Yes	Set the slow acceleration ramp on Fuji drive

par.	display	default	factory	user	possibilities	note
60.MONITORING						
60.01	Sel. Monitoring:	No			No GSM500 ~~Monitech~~	Set the remote monitoring system
60.02	Enable Test Sms	No			No Yes	Invert the visualisation UP/DN (during emergency) on the SEC-3Q board
60.03	Type SMS1:	No			No SMS KeyWord	Automatic Pole Tuning Activation
60.04	Mode send SMS1:	No			All All+Mode All+Stat Al+Mo+St Mode+Sta	CAN communiction activation to inverter
60.05	num. Pho1e	No			No Yes	Motor thermistor reading by inverter
70.DSP & TFT						
70.01	Enable set TFT?	No			No Yes	Enables TFT display variations
70.02 . . . . 70.11	idx:NO T:------					Floors selection and variation

par.	display	default	factory	user	possibilities	note

98.MEMORIES

98.01	Save to Memory	to Fact.			◄ no ok ►	Save current parameters setting into the FACTORY memory
98.02	Initialize	<-- Fact Default			◄ no ok ►	Loads FACTORY parameters - START UP Initialisation Loads DEFAULT parameters - Full Initialisation

99.ALARMS

99.01	Back to Menu	-			M to quit the Alarm menu	
99.02	Display Alarms	-			**M to check registered Alarms**	
		-			example (most recent alarm): 01<N01>P01 PwOn SQ2/3 Sic. SUPPLY ▼ to check alarm date and time ► to shift to next alarm	01 = alarm progressive number <N01> = alarm repetiotions P01 = floor where alarm happened PwOn = elevator status at alarm moment SQ2/3 Sic. SUPPLY = alarm description
99.03	Delete Alarms	-			◄ Abort Clear ►	Erases the registered alarms

par.	display	default	factory	user	possibilities	note

Error codes

Codes at the beginning of the of error name, if present, are point out the terminals which the error is related.

No Alarms		
P5/7 StartPermit	The contactors supervision series is open. Probably one of the contactors is stuck.	Check contactors supervision circuit. Schematics page 4
CAN Car off	CAN communication between controller and car is interrupted.	Check connectors: • CAN1 on SEC-3Q board • CAN1IN on SEC-3C board • check travelling cable
C12/3 Car Light	With parameter 11.11 - Car light supply is missing	
P5/2 V3F READY	Inverter fault.	Check inverter diagnostic
P7/2 Motor Temp.	Motor temperature.	Check temperature and wiring. Check input sensitivity (parameter 02.21)
Error A3 VD1	An error occurred during redundance test - down valve VD1	Check wiring and coil of the valve. Check functionality of hydraulic system.
Error A3 VD2	An error occurred during redundance test - down valve VD2	
C2A/1 D.O. Limit	The Door Open Limit switch is already activated	Adjust door limit switches (NC) as follows: • Door open = (DOL open + DCL closed) • Intermediate position = (DOL closed + DCL closed) • Door closed = (DOL closed + DCL open)
C2A/1 D.C. Limit	The Door Close Limit switch is already activated	
Low Speed Time	Run time in Low Speed expired (tipically arrival at floor). Or the controller wrongly selected the low speed for a too long travel.	
C7/2 DN Synch.Sw		
C7/1 UP Synch.Sw		
Start Time	Start time expired. Car has not left the floor despite a run command is active.	

par.	display	default	factory	user	possibilities	note
Relevelling T.	Re-levelling time expired. Car has not reached the floor despite a re-levelling command is active.					
Run Time Superv.	Drive time supervision elapsed during re-levelling EN81/1 - 12.10 EN81/2 - 12.12				Check: • that current value of parm.1,07 "T.Run Superv." is enough for a complete run between adjacent floors. • that no obstacle is compromising the regular car movement to reset: press CLEAR 3sec.	
ERR. Door Close	After trials set in par. 03.08 limit switches say "door closed" but Sic.C. DOOR is still open					
Max Close Time	During door closing after protection time (3A.05; 3B.05) safety circuit or close limit switche are missing					
Max Open Time	During door opening after protection time (3A.05; 3B.05) door open limit is not found					
Alarm CLEARED	Alarms have been cleared					
P7/1 M.R.Temper.	Machine room temperature.				Please check: • wiring • ambient thermosat • internal sensor on board SEC-3Q	
Shaft Count	Magnets sequence error.				Check magnets and sensors IU, ID, IZ - Schematic page 5 and 91	
UP & DN synchr.	Both synchronisation magnets (RU and RD) are found active.				Check wiring and positioning Schematic drawings page 5 and 91	
P11/1 Oil Press.	Oil pressure input is open					
P11/2 Oil Temp.	Oil temperature input is open					
Overload	Overload input is open (P2/1 or C6/1)					
Open Command	Door open button					

par.	display	default	factory	user	possibilities	note
SQ2/3 Sic.SUPPLY	Board SEC-3S • LED SUPPLY off				Check safety circuit: • supply voltage • AM circuit braker • phase supervision relay PHR • pit stop switch PST • rope tensioner contact RTC • manual brake release BRK • recall drive RDF To clear: CLEAR 3 sec.	
SM1/6 Sic.SHAFT	Board SEC-3S • LED SHAFT off				Check safety circuit: • final limit switches FLS: • buffer switches X • overspeed governor OSG To clear: CLEAR 3 sec.	
SC1/3 Sic.CAR	Board SEC-3S • LED CAR off				Check safety circuit: • overspeed governor OSG • safety gear switch SGS • stop switch and inspection switch • car locking pin LKP To clear: CLEAR 3 sec.	
SH2/3 Sic.SWING	Board SEC-3S • LED SWING off				Check safety circuit: • swing doors contacts	
SC1/7 Sic.C.DOOR	Borad SEC-3S LED CAR-DOORS off				Check car door safety contacts	
SH2/7 Sic.LOCKS	SEC-3S board During Run • LED LOCKS off				Check landing doors locks contacts	
P5/3 EN81-21 FCU	SEC-3Q board With car at top floor • LED V3F OK off				Check wiring and positioning of FCU contact	
Err. CAN Ldgs.	Landing serial communication missing.				Check: • serial line wiring (CAN2) • CAN2 terminations (schematic drawings page 90)	
Err. UP Synch.Sw	Check the presence of synchronisation magnet at lower floor					

par.	display	default	factory	user	possibilities	note
Err. DN Synch.Sw	Check the presence of synchronisation magnet at higher floor					
Err. iVALV Run	Wrong RSA run signal					
Err. iVALV Stop	Wrong RSA stop signal					
Err.A3 BRK1 Run	Brake 1 monitoring: found closed in run					
Err.A3 BRK2 Run	Brake 2 monitoring: found closed in run					
Err.A3 BRK1 Stop	Brake 1 monitoring: found open at rest					
Err.A3 BRK2 Stop	Brake 2 monitoring: found open to rest					
Err.A3 UCM	Intervention of device against the uncontrolled movement of the car with open doors.					
Err.A3NGV RUN hi	RUN signal high at start					
Err.A3NGV RDY hi	RDY signal high at stop					
Err.A3NGV RDY lo	RDY signal low at start					
Err.A3NGV RUN lo	RUN signal low at stop					
Err.NGV P14/1 hi						
ErrFUJI POLETUNE						
Bypass waitC12/2						
BypWAIT INSP/RDF						
!!! BYPASS !!!						
Err! 8120 Sic4-5						
Err! 8120 Sic5-6						
Err! stuck C12_2						
DZSM Not Ready						
Clear / RDF PIT						

par.	display	default	factory	user	possibilities	note

State messages

Messages listed below refers to special and temporary situations of the elevator.
These messages are not registered in the error log.

PwOn	Power supply present		
Up_H	High sped UP		
Up_L	Low speed UP		
Dn_H	High sped DOWN		
Dn_L	Low speed DOWN		
Stop	Car standing		
<<>>	Door OPENING		
<|>	Door OPENI		
>><<	Door CLOSING		
>|<	Door CLOSED		
F_Op	Door open in Fireman's drive		
F_Cl	Door cloesed in Fireman's drive		
StBy	Normal - waiting		
Isp	in Inspection mode		
Res.	in Reset		
RsUp	Searching for synchronisation magnet		
Emer	in Eergency		
OVL	Overload		
CLR	Lift blocked - waiting for CLEAR or Inpection or RDF		
RDF	Recall drive mode		
RDF▲	Recall UP		
RDF▼	Recall DOWN		
Isp▲	Inspection UP		
Isp▼	Inspection DOWN		
FID	Fireman's - Phase 1 - landing key		
FrdH	Fireman's - car arrived at evacuation floor		

par.	display	default	factory	user	possibilities	note
FrdC	Fireman's - Phase 2 - car command					
[--]						
OVL	Overload					
MINL	Minimum load					
FULD	Full load					
THRM	Thermistors - motor temperature					
PUSH	Car or Landing call pressed					
DOB	Door Open button					
FT-A	A side photocell					
FT-B	B side photocell					
CM-A	A side Safety Edge					
CM-B	B side Safety Edge					
PRIO	Priority drive (car or landings)					
U36	U36 finction active - FPD					
FID	Fire recall					
FRD	Fireman's drive					
LEV	Re-levelling					
STOP	STOP button					
OSS	Out of service					
BLOC	Lift blocked - waiting for CLEAR or Inpection or RDF					
VRDY	Amount of V3F RDY errors					