

MANUAL AND SPECIFICATIONS

THIS DOCUMENT IS INTENDED FOR USERS GUIDE SKY ELEVATOR TO BE NONSI RESERVES THE RIGHT TO MODIFY in PROVIDES NOTICE OF DOCUMENT CONTENT AND VIEW THE AMOUNT. DOCUMENT CAREFULLY THE USER MUST BE AGAINST GROUND FAULT COULD MISSING

DIMENSIONS	172 × 285 × 170
OPERATING TEMPERATURE	± 0 - +7 0 ° C
PROTECTION CLASS	IP20
MOISTURE	<95%
LINE INPUTS	3 x 220V 50Hz / 110V N 3x110 60Hz
IR CONTROL SUPPLY VOLTAGE	24 ± 5 VDC
BATTERY GROUP	4 BAT. 12 V - 9A LIQUID OR NON-LIQUID
BATTERY AMPER	7,5 KW IN RESCUE MODE (4X 9 AH BATTERY) 16 KW IN RESCUE MODE (4X 12 AH BATTERY) 1500 W INVERTER UPS MODE (4X 12 AH BATTERY) 2000 W INVERTER UPS MODE (4X 12 AH BATTERY)
MANUFACTURER	SKY ELEVATOR
	www.skyelevator.de - E-mail: sky@skyelevator.de www.sky-elevator.it - E-mail: sky@sky-elevator.it www.sky-elevator.bg - E-mail: sky@sky-elevator.bg www.sky-elevator.com - E-mail: sky@sky-elevator.com

SECTION 1-WARNINGS

- 1 DO NOT CONNECT OR DISCONNECT A TERMINAL WHEN THE DEVICE POWER ON .**
- 2 DO NOT INSTALL DEVICE TO WET,HOT,COLD,DOSTY OR CHEMICAL VAPOR AREA .**
- 3 DO NOT INSTALL THE DEVICE IN SUNLIGHT DIRECTLY.**
- 4 DO NOT TOUCH THE DEVICE POWER CABLES OR TERMINALS WHEN THE DEVICE ARE RUNNING .**
- 5 PLEASE CHECK FOR THE CABLE CONNECTIONS FROM THE DEVICE SCHEME .**

SECTION 2-TECHNICAL SPECIFICATIONS

- Compatible to all control panel.
- Can be used as UPS or Normal Rescue
- UPS mode Line Interactive Technology and has the speed, the power of Producing 220V 50Hz controller and control panel
- Compatible with Sky elevator control board with communication systems And easy installation
- Power cuts in and makes the cabin floor is activated in phase problems and Provides for automatic door opening of the evacuation of passengers.
- The power outage in the cabin floor allows the evacuation of the passengers Opened the doors
- Parameters can be set easily with the help of the LCD display and program Buttons.
- Operating status, battery voltage, motor current, the inverter current (pumps, Brakes, door) and all errors can be monitored on the LCD screen.
- Detachable keypad and parameter protection
- 4 or 2 pieces works with built-in dry-type maintenance-free battery and the battery voltage no matter how low did not lose its charge retention has smart charging system that can charge all batteries.
- The brake pump is protected doors and full engine output short circuit.
- engine is not bound by the current control closes the brake and the LCD Screen shows the error
- Close the brake is not connected to or greater than 1 indicates a fault in the Motor cable 1 LCD screen
- 18 KW up with a suitable battery used in all engines without any Modification
- The engine is no need to connect any sensor operates in open loop
- Circuit with three shunt in case of failure can be excluded
- Generator generator set waiting time for building
- JF (stopper on the floor) after motion is detected while set
- Three-phase, fully automatic, available in semi-automatic and manual door
- 380V motors with 7.5 kW, or 2 until the internal battery is available
- Mains voltage 3x110 / 60 Hz volts where 16 KW or used with up to 2 battery
- 220 V and 60 Hz mains voltage is available to non-neutral buildings
- Can be used as a UPS up to 7.5 KW motor
- Adjustable door opening / closing and lock wait time
- Adjustable maximum recovery time
- Adjustable rescue attempt Posts
- Adjustable torque inverter

- Adjustable engine torque
- Adjustable direction testing level
- Adjustable mains input selection (220V 380V)
- Adjustable engine selection (220V 380V star triangle)
- Normal Rescue
- Adjustable and UPS Selection
- Adjustable UPS runtime
- Adjustable magnetic pieces (one or two magnetic magnetic)
- Adjustable magnetic type (Bistable, Monostable)
- Adjustable magnetic contact type (NO, NC)
- Adjustable gate time of the test (for doors that test comes first energy)
- Adjustable brake and pump voltage (60 V DC 110 V DC 220 V DC)
- Adjustable working options in the revision
- KSR Control Mode with the bottom and the option to save the required direction at the top
- Motor U, V, W short circuit full protection
- Brake battery voltage during operation, to monitor the pump and motor Current
- The entire system can be easily applied to a very simple way
- Can running with 5 battery you should select ups mode parameter with 4 batteries and should increase the level of battery charging from the Variable resistance.

2.1 ELECTRICAL SPECIFICATIONS

MAX MOTOR POWER	RUN MODE	MAX CURRENT OUTPUT	BATTERY
7,5 kw	UPS	16.5 A / 1500W	48V; 12 Ah 4External Battery
16 kw	RESCUE	35.2 A	48V; 9 Ah 4External Battery

SECTION 3- HOW TO CHANGE PARAMETERS SETTING

- 1. PRESS THE ENTER KEY TO ENTER THE PARAMETER SETTING MODE**
- 2. PRESS UP OR DOWN KEY TO COME YOU ADJUSTABLE PARAMETERS**
- 3. PRESS ENTER KEY SET WILL PARAMETERS TO CHANGE THE VALUE**
PLEASE SELECT THE WANT VALUE FROM APPARENT PARAMETERS ON THE SCREEN WITH UP AND DOWN KEYS AND PRESS ENTER KEY
(IF YOU DON,T NEED CHANGE IT PLEASE PRESS THE ESCAPE BUTTON)
- 4. YOU CAN CHANGE OTHER VALUE AFTER THE PREVIOUS STEP BY USING THE UP AND DOWN KEYS**
- 5. PRESS THE ESCAPE KEY TO EXIT FROM THE PARAMETER SETTING MODE**

- IF THE LCD WRITE PARAM FAILED ERROR BECAUSE THE DEVICE IS BUSY YOU CAN TRY AGAIN AFTER 5 SECOND

PARAMETERS SETTING SCREEN

1 WORKING TYPE
1 NORMAL RESCUE

No. 1 PARAMETERS: TYPE OF WORK

1 = NORMAL RESCUE FOR NORMAL CONNECTION

2 = SING. PHASE UPS FOR OUTPUT 220V

3 = THR. PHASE UPS FOR OUTPUT 380V

4 = HYDRA. UPS FOR HYDROLIC ELEVATOR

2 BATTERY QTY
1 2 BATTERY

No. 2 PARAMETERS: NUMBER OF BATTERY

2BATTERY = 380 VOLT MOTORS TESTED AT 7,5KW

4BATTERY = ONLY USE 4 BATTERY FOR 220 VOLT MOTORS

IMPORTANT NOTE; YOU SHOULD CHOESE THE NUMBER OF BATTERY TO SAFE RUN

3 MAGNET TYPE
1 BIST.MAGNET

No. 3 PARAMETERS: TYPE MAGNET TYPE

1 = BISTABLE MAGNET

2 = MONOSTABLE MAGNET

4 MAGNET QTY
1 1 MAGNET

No. 4 PARAMETERS: NUMBER OF MAGNETIC TYPE

1 = 1 MAGNET, FLOOR TO ONLY 142 STOPPER (JF) USED

2 = 2 MAGNET; DOWN WAY 142 (MKD) AND UP WAY 141 (MKD)

5 MAGNET CONTACT
1 NORMALLY OPEN

No. 5 PARAMETERS: TYPE TUBE MAGNETIC CONTACT

1 = NORMALLY OPEN; (NO)

2 = NORMALLY CLOSED; (NC)

6 KS CONTROL
2 D KS PASS.

No. 6 PARAMETERS: KS CONTROL

ACTIVE CONTROL 1 = KS; WAY TEST CAR MAKES UP 818 817 OR
LOSS OR DOWN CAR

2 = KS CONTROL LIABILITIES, 817 and 818 'not I. CONSIDER MAKING
EASY BUY WAY TEST ES WHAT EXPENSES

7 CAM BRAKE VOLT
1 CAM / BRE. 60 VOLT

No. 7 PARAMETERS: PUMP BRAKE VOLTAGE

BRAKE PUMP VOLT 1 = 60; BRAKE AND PUMP LABEL (WORK) 60
VOLT VOLTAGE

BRAKE PUMP VOLT 2 = 110; BRAKE AND PUMP LABEL (WORK)
VOLTAGE 110 VOLT

BRAKE PUMP VOLT 3 = 220; BRAKE AND PUMP LABEL (WORK)
VOLTAGE 220 VOLT

8 POWER SUPP. FLOOD
1380 VOLT SUPP.

No. 8 PARAMETERS: PUMP BRAKE VOLTAGE

1 = 380 VOLT SUPP. ; LINE VOLTAGE 380 VOLT
2 = 220 VOLT SUPP. ; LINE VOLTAGE 220 VOLT. SELECT UNUSED in
NEUTRAL GROUND

9 DOOR TYPE
2 FULL AUTOMATIC

No. 9 PARAMETERS: DOOR TYPE

1 = NOT AUTOMATIC; EMPLOYEES AND ONLY FOR AUTOMATIC
DOORS AND PUMP PUMP
2 = FULL AUTOMATIC; INTERIOR AND EXTERIOR FULLY
AUTOMATIC DOORS
PHASE 3 = THERE; TRIPHASE DOORS

10 W. MOTOR VOLT
2 MOTOR 380 VOLT

10 PARAMETERS OF NUMBER: ENGINE OPERATING VOLTAGE

1 = MOTOR 220 VOLT; MOTOR LABEL (WORK) VOLTAGE 220 VOLT
TRIANGLE ITS ENGINES
2 = 380 VOLT MOTOR, MOTOR LABEL (WORK) 380 STAR ITS VOLTAGE
STANDARD ENGINES

***IMPORTANT NOTE; PLEASE BE SUITABLE FOR ENGINE OPERATING
VOLTAGE of the CHECK THE PARAMETERS***

11 ENGINE POWER
2 ENGINE 7.5 KW

No. 11 PARAMETERS: POWER

1 = MOTOR 5.5 KW;
2 = MOTOR 7.5 KW;
3 = ENGINE 11 KW;
4 = MOTOR 16 KW. ; ENGINE LABEL INSERT THE VALUE LARGE
ENGINES 16 KW
THE PARAMETERS FOR 4 SELECT

12 DOOR OPEN TM.
010

No. 12 PARAMETERS: DOOR OPEN TIME
DOOR OPEN DOOR AS A SECOND TIME VALUE OF SIZE SUITABLE
INSERT
ENTERED INTO THIS TIME PERIOD RAISES THE DOOR Do not be able
to turn TAM

13 DOOR CLOSE TM.
010

No. 13 PARAMETERS: DOOR CLOSING TIME
DOOR TO DOOR CLOSE SECOND TIME VALUE OF SIZE SUITABLE
INSERT
ENTERED INTO FULL TIME TRAP DOOR If you RAISES THIS
TIME A Can

14 DO TEST TM.
000

No. 14 PARAMETERS: DOOR TEST TIME
When GIVEN SOME MODELS DOOR ELECTRIC DOOR in FIRST TEST
FOR NOT KNOWING IS MAKING
In RESCUE OPERATION START THIS KIND OF DOOR TO DOOR from
ENTERED IN TIME FOR TESTING AND RECOGNITION
AFTER SAVING wait until the OPERATION WILL PUMP AND DOOR
OFF OPERATION

15 LOCK WAIT. TM
008

15. PARAMETERS: KEY WAITING TIME
No. 9 PARAMETERS LOCK DOOR TYPE NOT EXPECT AFTER THE
PUMP If AUTOMATIC CZECH ELECTION
If ENTERED IN TIME TIME TIME COME LOCK on your IMPROVE

16 GEN WAITING
000

No. 16 PARAMETERS: GENERATOR WAITING TIME
IF USED GENERATOR SYSTEM IN ENTERING CIRCUIT GENERATOR
If the WAIT UNTIL THIS TIME entered the COMMISSIONING INPUT
PARAMETERS GENERATOR IN THIS TIME SAVING CIRCUIT NOT
ENTER TO RESCUE MODE BEFORE GENERATOR RUNNING.

17 TRYING QTY
003

17. PARAMETERS: TRIAL PIECE

FOR ANY REASON (it can not close the door, short circuit, such as stuffed my floor) RESCUE OPERATION TO THE RESCUE OPERATION PARAMETERS that can not be done PCS WORK TO DO

18 UPS WORK.TM
001

18 PARAMETERS OF NUMBER: WORKING TIME UPS

ENTERED INTO THIS TIME PARAMETERS "MINUTE" UNTIL THE TIME WHEN THE UPS WILL REMAIN ACTIVE

If the UPS AND SYSTEM FOR DISCHARGE BATTERY BATTERY LIMIT UP TO THE SELECTED UPS OFF 0 STAY ACTIVE

19 AFTER WORK.TM.
000

19. PARAMETERS: from JF' (142) AFTER WORK TIME

JFI PARAMETERS IN THESE PANELS ESPECIALLY ONE SPEED (142) ENTERED IN TIME AFTER RATES "SEC" ENGINE WILL CONTINUE TO WORK

20 FLIR T ARRIVAL
059

20 THESE IS THE TIME OF RUNNING IN THE RECUSE MODE BEFORE REACH TO FLOOR

(RECUE MODE RUNNING TIME) YOU CAN MAKE IT BETWEEN (01-200 sec)

21 ENGINE EX TORQ
000

21 PARAMETERS OF NUMBER: ENGINE EXTRA TORQ
IF SOME CASES THE ENGINE CONVERSION VALUE YOU
CAN SET IT TO GIVE THE MACHINE AN EXTRA TORQ WITH
RESCUE MODE

22 INV. EX. TORQ
000

22 PARAMETERS OF NUMBER: INVERTER EXTRA TORQ
FABRICATION VALUE IF SOME CASES BRAKE AND PUMP not YET
TO PULLING
Do IMPROVE VALUE ON THIS PARAMETERS

23 M. TEST LEVEL
000

No. 23 PARAMETERS: ENGINE TEST LEVEL
WHEN DETERMINING THE VALUE INCREASES ENGINE IN THIS
DIRECTION LEVEL TEST PARAMETERS
MOTOR WAY TEST WORK RIGHT DIRECTION TO SPIN is
BACK WITHOUT FIRST

CHANGING THE PARAMETERS 11 PARAMETERS OF NUMBER IS
THE SAME ENGINE POWER that
BE SURE

24 GEARLESS
000

THESE PARAMETER TO SELECE THE ENGINE TYPE
IF YOU HAVE A GEARLESS ENGINE PLEASE SELECT (1)
PLEASE SELECY (0)IF YOU HAVE A GEAR ENGINE

25 AUX. INP. SEL
000

USE THESE PARAMETER ONLY FOR SPARE
IF YOU HAVE A PROBLEM IN 142 INPU
YOU CAN SELECT:

001 AND USE THE (141) INSTEAD OF (142) INPUT
002 AND USE THE (818) INSTEAD OF (142) INPUT
003 AND USE THE (817) INSTEAD OF (142) INPUT

26 DEFAULT SETTI.
000

26 PARAMETERS OF NUMBER:
CHOESE (001) TO RESET DEFAULT SETTING
(NOTE:THESE PARAMETER HAVE BE DELETE YOUR SETTING)

TERMINALS EXPLAINED

R	R PHASE (AFTER CIRCUIT BREAKER CONNECTION)
S	S PHASE (AFTER CIRCUIT BREAKER CONNECTION)
T	T PHASE (AFTER CIRCUIT BREAKER CONNECTION)
N	MAINS NEUTRAL
817	UNDER LIMIT SWITCH
818	UPPER LIMIT SWITCH
MKU/141	MKU FLOOR COUNTER SWITCH
MKD/142	MKD FLOOR STOPER SWITCH
869	INSPECTION BOX SWITCH PANEL CONNECTION
100K (OUT)	TO MAGNETIC SHALTER 100 LINE
100P (INP)	FROM CONTROL PANEL 100 LINE
GND	24VDC- NEGATIVE COMMON IN PANEL (IF MAG. SHALTER NEED POSITIVE)
110.K(OUT)	110 (SAFETY CIRCUIT START TRANSFORMER CONNECTION)
110.P (INP)	110 (SAFETY CIRCUIT START PANEL CONNECTION)
K.N	DOOR NATURAL / UPS NATURAL -220V
KFK (OUT)	DOOR POWER CONNECTION +220V
KFP (INP)	PANEL CONNECTION (DP DOOR PHASE)
140.K (OUT)	140 (SAFETY CIRCUIT END DOOR CONNECTION)
140.P (INP)	140 (SAFETY CIRCUIT END PANEL CONNECTION)
K15K (OUT)	DOOR COM (DOOR CONNECTION)
K15P (INP)	DOOR COM (PANEL CONNECTION)
K3	DOOR CLOSE SIGNAL (DOOR CONNECTION)
K5	DOOR OPEN SIGNAL (DOOR CONNECTION)
KR1	RESCUE ALARM POWER 220V+
810 -	(-) CAM CONNECTION
2001 +	(+) CAM CONNECTION
2000 -	(-) BRAKE CONNECTION
840 +	(+) BRAKE CONNECTION
U.V.W	ENGINE QUICK TIPS to (AT LEAST 2.5 MM DIAMETER AND CABLE)
U.V.W	DOOR THREE PHASE OUTPUT
B+	POSITIVE OF BATTERY CONNECTION
B-	NEGATIVE OF BATTERY CONNECTION

RECOMMENDED CHOOSE FOR BATTERY

USE 2 OF 12V 9 AH INTERNAL BATTERY AT RESCUE MODE 380V
FOR 7.5 KW, ENGINE

USE 2 OF 12V INTERNAL BATTERY AT RESCUE MODE 220V FOR
7.5 KW 12V 7 AH
9 KW 12V 9 AH
11 KW 12V 12 AH
16 KW AND OVER 12V 18 AH

380 VOLT BATTERY 2 STAR ITS ENGINES
9 AH 12V UP TO 9 KW SCHINDLER

380 VOLT BATTERY 4 STAR ITS ENGINES
9 KW OR UP 12V 7 AH
11 kW, 12V OR UNTIL 9 AH
12V 11 KW OVERLOAD

SECTION 4- LIST OF PARAMETERS

PARAMETER	SETTING THE RANGE	VALUE FACTORY	EXPLANATION
1 WORKING TYPE	1 -- 2	1	DEVICE RUN MODE 1 = NORMAL RESCUE 2 = SING. PHASE UPS 3 = THR. PHASE UPS 4 = HYDRA. UPS
2 BATTERY QTY	1 -- 2	1	NUMBER OF BATTERY 1 = 2 BATTERY 2 = 4 BATTERY
3 MAGNET TYPE	1 -- 2	1	MAGNET SWITCH TYPE 1 = BISTABLE 2 = MONOSTABLE
4 MAGNET QTY	1 -- 2	1	NUMBER OF MAGNET SWITCH 1 = 1 MAGNET 2 = 2 MAGNET
5 MAGNET CONTACT	1 -- 2	1	MAGNET CONTACT TYPE 1 = NORMALLY OPEN 2 = NORMALLY CLOSED
6 KSR CONTROL	1 -- 2	2	KSR CONTROL MODE 1 = ACTIVE KSR CONTROL 2 = PASSIVE KSR CONTROL
7 CAM BRAKE VOLT	1--3	1	BRAKE AND CAM VOLTAGE 1 = 60 VOLT 2 = 110 VOLT 3 = 220 VOLT
8 POWER SUPPLY	1 -- 2	1	MAIN VOLTAGE SELECT 1 = 380 2 = 220
9 DOOR TYPE	1 -- 3	1	DOOR TYPE SELECTION 1 = SEMI AUTOMATIC 2 = FULL AUTOMATIC 3 = THREE PHASE
10 ENGINE VOLTAGE	1 -- 2	1	ENGINE POWER VOLTAGE 1 = 220V 2 = 380V
11 ENGINE POWER (KW)	1 -- 4	1	ENGINE POWER KW 1 = Engine: 5.5 KW 2 = MOTOR 7.5 KW 3 = ENGINE 11 KW 4 = 16 KW ENGINE AND OVER
12 DOOR OPEN TIME	0--20	8	DOOR OPEN TIME
13 DOOR CLOSE TM	0--20	8	DOOR CLOSE TIME

PARAMETER	SETTING THE RANGE	VALUE FACTORY	EXPLANATION
14 DOOR TEST TM	0-20	0	DOOR TESTING TIME
15 LOCK WAIT TIME	0-20	8	LOCK WAITING TIME
16 GEN. WAITING	0-30	0	RUNNING START TIME AFTER A POWER OUTAGE
17 TRIYING QTY	0-- 5	3	NUMBER OF TRIALS
18 UPS WORK.TM	0-10	1	UPS WORKING TIME
19 AFTER WORK JF	0-20	0	DELAY TIME AFTER COMMING TO THE FLOOR
20 FLR ARRIVAL T	0-200	59	FLOOR ARRIVAL TIME
21 MOTOR EX.TORQ	0-20	0	IMPROVE THE MACHINE POWER
22 INV. EX. TORQ	0-20	0	IMPROVE THE BRAKE AND CAM POWER
23 M. TEST LEVEL	0-10	3	ENGINE TEST LEVEL
24 GEARLESS	0-1	0	PRESS 1 IF YOU HAVE A GEARLESS ENGINE
25 AUX. INP. SEL	0-3	0	SPARE INPUT FOR 142 : USE 141 IF SELECT (001) USE 818 IF SELECT (002) USE 817 IF SELECT (003) (ONLY FOR 142 INPUT)
26 DEFAULT SETT	0-1	0	PRESS 1 TO RESET TO FACTORY SETTING

MAIN ERROR CODES AND PARAMETERS SETTINGS

SCREEN MESSAGES IN CASE OF RECOVERY

BATT. I. M. CHAR
XX.Xv XX XX XX.X

BATT. = BATTERY VOLTAGE 1% ±

I = BRAKE , CAM , DOOR USING AMPER 1% ±

M = MACHINE USING AMPER 1% ±

CHR = BATTERY CHARGING VOLTAGE 1% ±

GEN. WAITING
XX.Xv XX XX XX.X

STAND BY MODE

RESCUE ACTIVE
XX.Xv XX XX XX.X

RESCUE MODE IS ACTIVED

DOOR TEST WAIT.
XX.Xv XX XX XX.X

DOOR TEST WAITING TIME.

DOOR CLOSING
XX.Xv XX XX XX.X

DOOR IS CLOSING

LOCK WAITING
XX.Xv XX XX XX.X

LOCK WAITING TIME FOR SEMI AUTOMATIC DOOR

UPS ACTIVE
Xx.xv XX XX.X

No. 1 UPS PARAMETERS TO RESCUE OF NUMBER set time in 18
SELECTED PARAMETERS (minutes) WORK AS IF TO 18 METERS OF
NUMBER 0 MONEY IS SELECTED OPERATING AKU
WORK UNTIL THE LIMIT

DOOR OPENING
Xx.xv XX XX.X

DOOR OPENING TIME SET UP No. 12 in the PARAMETERS TO DOOR
OPEN PROCESS

CAR AT FLOOR
Xx.xv XX XX.X

CAR CAME OR SOLID SOLID, DOOR OPENED, AND ELECTRICITY
NOT EXPECTED RECOVERY UNITS ENABLED. BATTERY IN THIS
SITUATION MAKES SARJU

ERROR STATUS DISPLAY MESSAGES

KFK SHORT CIRCUIT
XX.Xv XX XX XX.X

KFK EXIT SHORT CIRCUIT OR HAVE HIGH CURRENT drawn
PLEASE DOOR CONNECTIONS AND CONTROL SYSTEM
KFK that the EXIT DOOR ONLY FEED AND CABIN LIGHT TO BE BOUND
BY THIS OUT of that
BE SURE

CAM SHRT CIRCUIT
XX.Xv XX XX XX.X

PARAMETERS OF NUMBER 7 that the VOLTAGE SELECTED VOLTAGE
PUMP WITH THE SAME IS MAKE SURE

PUMP (810-2001) OUT OF SHORT CIRCUIT OR HAVE HIGH CURRENT
ÇEKİLİYÖ

In BOARDS ARE SAVING TIP OF PUMP PUMP 2001 DIODES A + (PLUS) -
UCI PUMP of 810 (CONS) CONNECTED TO MAKE SURE that
BE SURE NOT SHORT CIRCUIT the PUMP AND PUMP CABLE
CONNECTION

PUMP CONNECTION WITH THE PURPOSE OF CONTROL PANEL slid
from the CONNECT ONLY RECOVERY UNIT

PUMP IN THIS WAY TO RECOVERY PROCESS CONTROL PANEL
INSTALLATION If the NORMAL WORKING ON

BRK SHRT CIRCUIT
XX.Xv XX XX XX.X

MAKE THE SAME PARAMETERS OF NUMBER 7 that the VOLTAGE
SELECTED VOLTAGE MAKE SURE THE BRAKE
BRAKE (840-2000) OUT OF SHORT CIRCUIT OR HAVE HIGH CURRENT
ÇEKİLİYÖ

BRAKE DIODES in PANEL + (PLUS) KURTARAN UC BRAKE 840 'A -
(MINUS) BRAKE UC 2001 E CONNECTED that
BE SURE

BE SURE NOT SHORT CIRCUIT the BRAKE AND BRAKE CABLE
CONNECTION

BRAKE CONNECTION WITH THE PURPOSE OF CONTROL PANEL slid
from the CONNECT ONLY RECOVERY UNIT

BRAKE CHECK THE PANEL INSTALLATION If the recovery process
NORMAL WORK THIS WAY

MOTOR CABLE CHCK
XX.Xv XX XX XX.X

ENGINE (UVW) CONNECTION ERROR

MOTOR CABLE NOT CONNECTED

ITS NOT ONE of 1 OR 2 ENGINE WIRING

MOTOR HIGH SPEED (U, V, W) CABLE IS DUE TO BE SURE OF SAVING
UNIT

MTR Shrt CIRCUIT
Xx.xv XX XX.X

MOTOR SHORT CIRCUIT
SAVING ENGINE OUT (U, V, W) END HAVE SHORT CIRCUIT
BE SURE NOT SHORT CIRCUIT IN ENGINE WIRING AND TERMINALS

BATTERY LOW
Xx.xv XX XX.X

BATTERY LOW
BATTERY 20 VOLT SYSTEM USED UNDER 2 BATTERIES
40 VOLT BATTERY SYSTEM UNDER in 4 BATTERIES
50 VOLT BATTERY SYSTEM UNDER in 5 BATTERIES
RESCUE MAKES THIS SITUATION WAIT for power to be
IF DURING THE RESCUE FEATURED ARTICLES AKU have enough
MEANS NOT CHARGED
AGAIN THE BATTERIES FOR RECOVERY PROCESS MUST BE AT
LEAST 4-5 hour charge
EZ BATTERIES FOR HIGH PERFORMANCE LEAST 10 HOURS
SHOULD BE CHARGING
WHY WITH NEW BATTERY STORAGE AND DWELL TIME of 24
HOURS SHOULD BE CHARGING

***IMPORTANT NOTE; PLEASE CHOESE HOW MANY OF BATTERY OF
YOU USING***

