

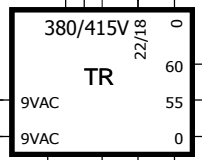
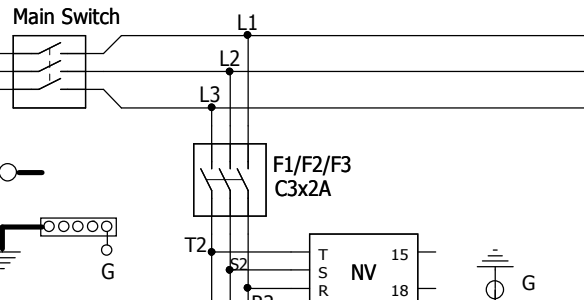
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Main Switch

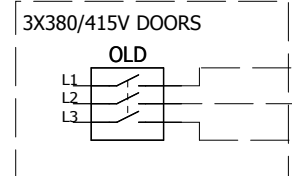
R
S
T

N

PE

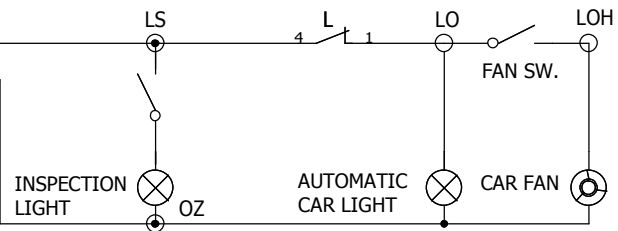


Only to the ELV CARD

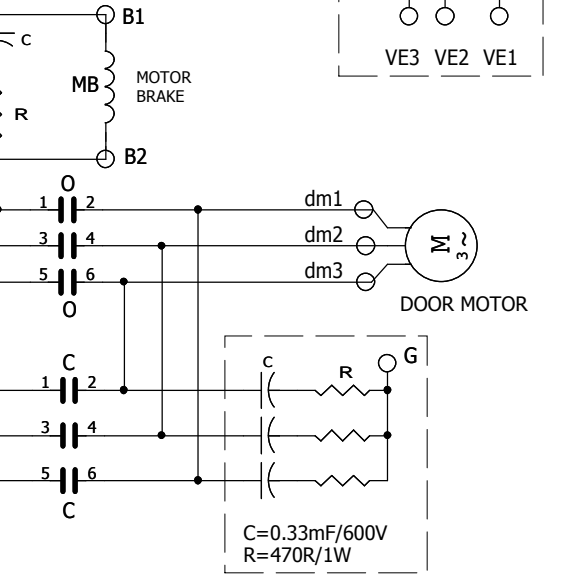
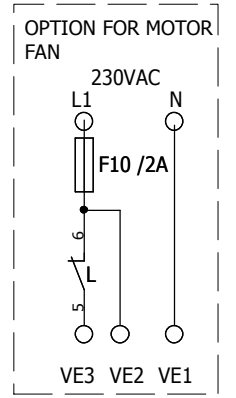
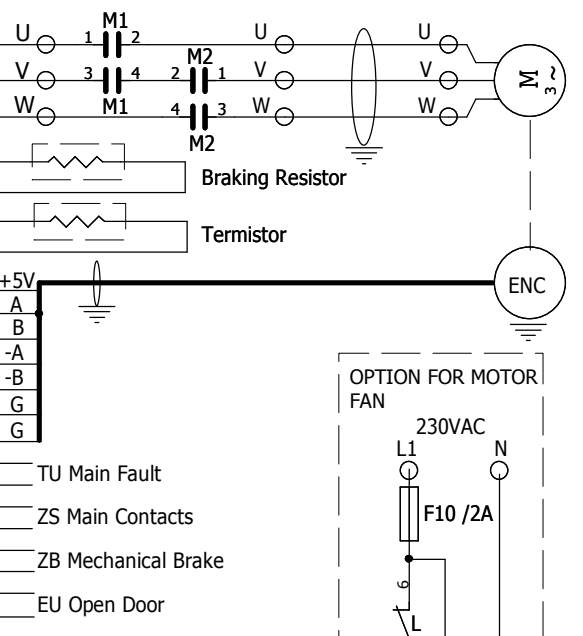
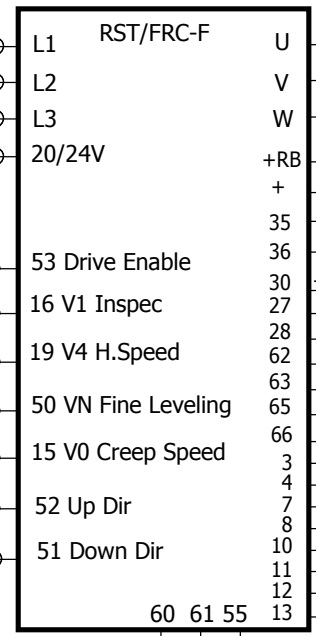


CAR LIGHT
220/240VAC

F6-C6A

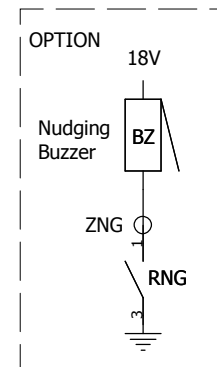
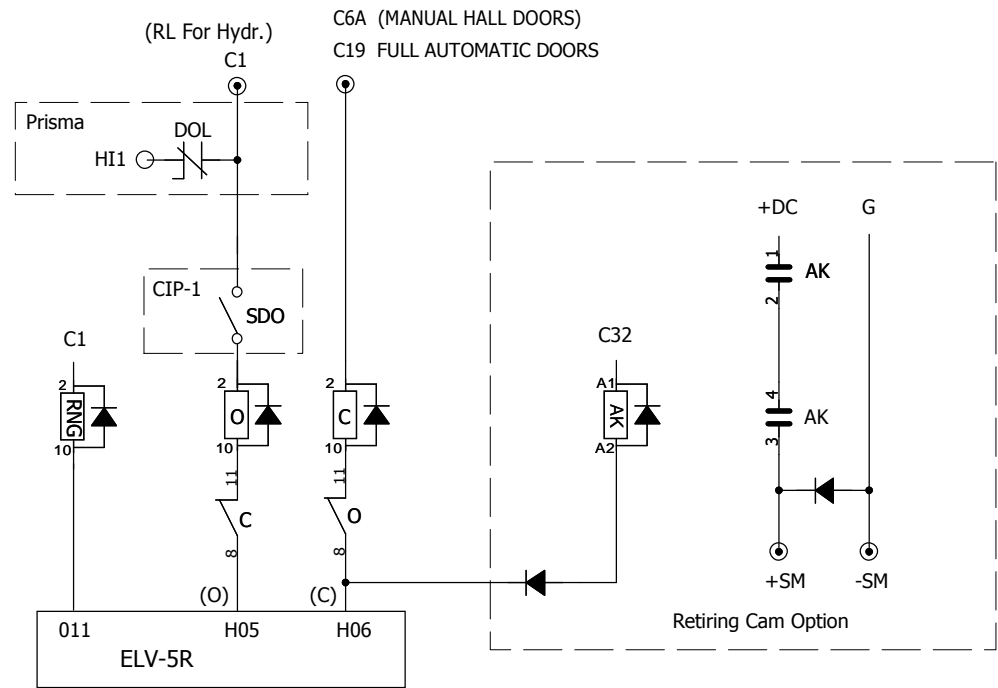
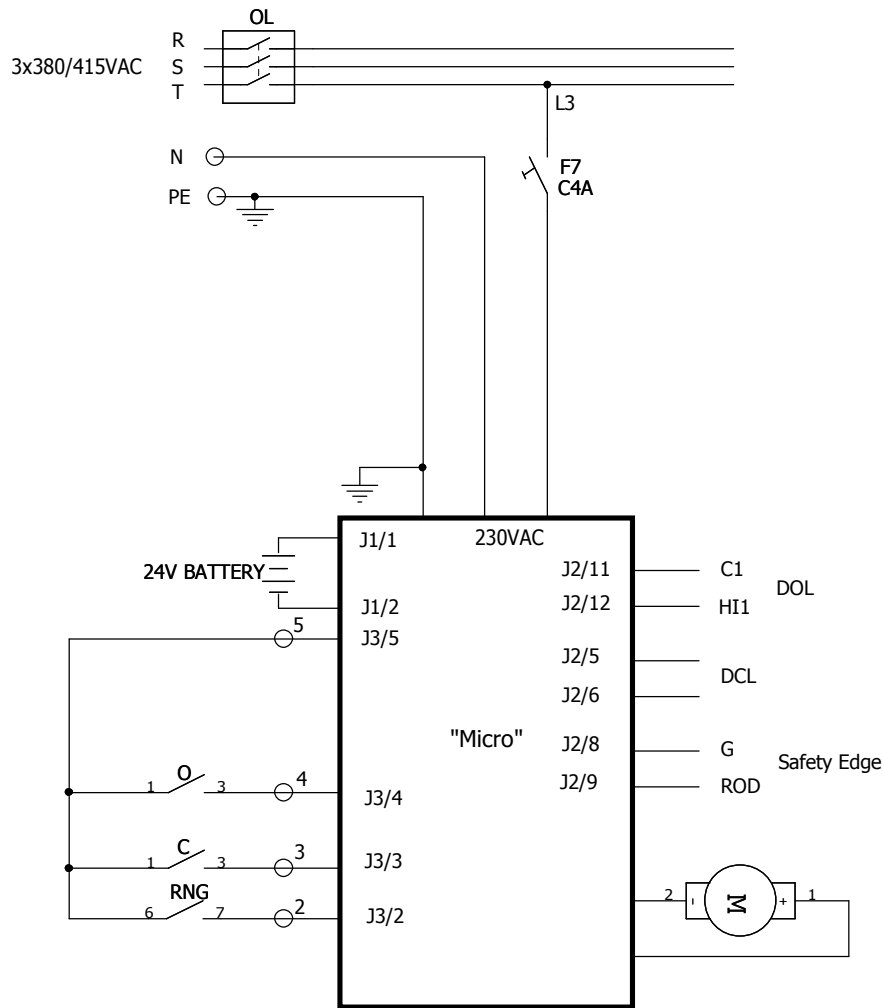


APP. NAME : Benci
 APP. DATE :



Title: POWER_RST_vf_FOR UML-51r
 Size: A4 Document Number: ENG_POWER_RST_vf_48DC SAFETIES 240408 Rev: 01
 Date: _____ Sheet 1 of 9

CARD TERMINAL
 ELECTRIC TERMINAL



DOL - DOOR OPEN LIMIT SW.
 DCL - DOOR CLOSE LIMIT SW.
 RNG - NUDGING RELAY
 O - OPEN DOOR CONTACTOR
 C - CLOSE DOOR CONTACTOR
 AK - RETIRING CAM CONTACTOR
 ELV - EVACUATION SWITCH.

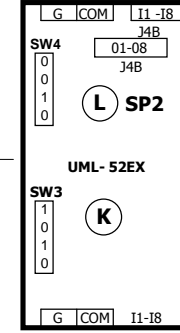
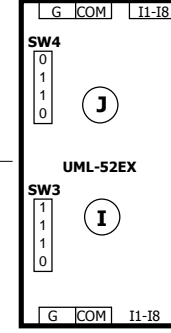
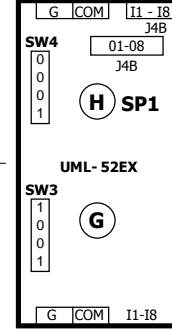
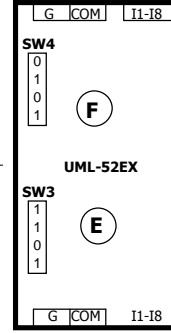
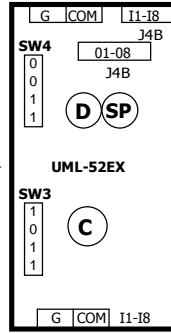
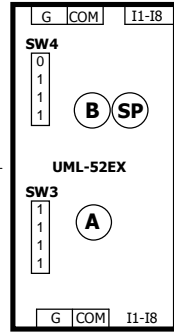
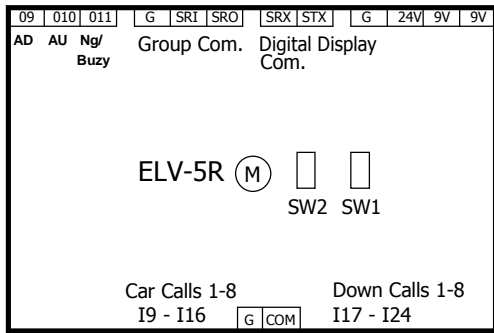
Card Terminal. ○
 Electric Terminal ○

APP. NAME : Benci

APP. DATE :



Title		
EU_PRISMA MICRO DOOR UML-51R		
Size	Document Number	Rev
A4	EU_PRISMA MICRO DOOR OPERATOR_240408	01
Date:	Apr 26, 2008	Sheet 3 of 8



Car Calls 1-8 ELV-5R (M)

Floors	I/O	I9	I10	I11	I12	I13	I14	I15	I16
1-8 Floors		1C	2C	3C	4C	5C	6C/CD	7C/LC	8C/BM

Car Calls (Outputs 17-24 / SP) UML-52EX/SP SW4 0011 (D)

Floors	I/O	O1	O2	O3	O4	O5	O6	O7	O8
17-24 Floors		17I	18I	19I/RPS	20I/BZ	21I/OL	22I/ZFR	23I/OFR	24I/RFL

Special Port / SP1 UML-52EX/SP1 SW4 0001 (H)

Floors	I/O	I/O1	I/O2	I/O3	I/O4	I/O5	I/O6	I/O7	I/O8
INPUTS		GN	BM	CD	CHD	Lc/As	SOL	-	-
OUTPUTS		ZFR	OFR	RFL	BZ1	TFR	OL	-	-

Special Port / SP2 UML-52EX/SP2 SW4 0010 (L)

Floors	I/O	I/O1	I/O2	I/O3	I/O4	I/O5	I/O6	I/O7	I/O8
INPUTS		C18R	RODR	PHCR	ODR	Lc/As	SOL	-	-
OUTPUTS		NGR	OFR	RFL	OR	CR	OL	-	-

Down Calls 1-8 According To the Lobby floor ELV-5R (M)

Floors	I/O	I17	I18	I19	I20	I21	I22	I23	I24
7 Lobby Floor		1U	2U	3U	4U	5U	6U	7U	8U
6 Lobby Floor		1U	2U	3U	4U	5U	6U	7U	8D/2D
5 Lobby Floor		1U	2U	3U	4U	5U	6U	7D/3D	8D/2D
4 Lobby Floor		1U	2U	3U	4U	5D-6D/4D-7D/3D	8D/2D		
3 Lobby Floor		1U	2U	3U	4U	5D-6D/4D-7D/3D	8D/2D		
2 Lobby Floor		1U	2U	3U	4D	5D-6D/4U-7D/3D	8D/2D		
1 Lobby Floor		1U	2U	3D	4D	5D-6D/4U-7D/3U	8D/2D		
0 Lobby Floor		1U	2D	3D	4D	5D-6D/4U-7D/3U	8D/2U		

Car Calls (Inputs 17-24 / SP) UML-52EX/SP SW4 0011 (D)

Floors	I/O	I11	I12	I13	I14	I15	I16	I17	I18
17-24 Floor		17c-18c/GN-19c/PS-20c/SS-21c/SOL-22c/CD-23c/LC-24c/BM							

Up Calls 17-24 UML-52EX SW3 1001 (G)

Floors	I/O	I11	I12	I13	I14	I15	I16	I17	I18
17-24 Floors		17U	18U	19U	20U	21U	22U	23U	24U

Rear Car Calls 1CR-8CR UML-52EX SW3 1010 (K)

Floors	I/O	I11	I12	I13	I14	I15	I16	I17	I18
1-8 Floors		1CR	2CR	3CR	4CR	5CR	6CR	7CR	8CR

Hall Calls 17-24 UML-52EX SW3 1011 (C)

Floors	I/O	I11	I12	I13	I14	I15	I16	I17	I18
17-24 Floors		17d-18d/8U-19d/7U-20d/6U-21d/5U-22d/4U-23d/3U-24d/2U							

Up Calls 9-16 UML-52EX SW4 0101 (F)

Floors	I/O	I11	I12	I13	I14	I15	I16	I17	I18
9-16 Floors		9U	10U	11U	12U	13U	14U	15U	16U

Rear Hall Calls 1UR-8UR UML-52EX SW4 0110 (J)

Floors	I/O	I11	I12	I13	I14	I15	I16	I17	I18
1-8 Floors		1ur	2ur	3ur-3dr/7ur-4dr/6ur-5dr/5ur-6dr/4ur-7dr/3ur-8dr/2ur					

Car Calls (Outputs 9-16/SP) UML-52EX/SP SW4 0111 (B)

Floors	I/O	O1	O2	O3	O4	O5	O6	O7	O8
9-16 Floors		9L	10L	11I/RPS	12I/BZ	13I/OL	14I/ZFR	15I/OFR	16I/RFL

Hall Calls According The Lobby UML-52EX SW3 1101 (E)

Floors	I/O	I17	I18	I19	I20	I21	I22	I23	I24
7 Lobby Floor		1U	2D	3D	4D	5D	6D	7D	8D
6 Lobby Floor		1U	2D	3D	4D	5D	6D	7D	8U
5 Lobby Floor		1U	2D	3D	4D	5D	6D	7U	8U
4 Lobby Floor		1U	2D	3D	4D	5D	6U	7U	8U
3 Lobby Floor		1U	2D	3D	4D	5U	6U	7U	8U
2 Lobby Floor		1U	2D	3D	4U	5U	6U	7U	8U
1 Lobby Floor		1U	2D	3U	4U	5U	6U	7U	8U
0 Lobby Floor		1U	2U	3U	4U	5U	6U	7U	8U

Rear Hall Calls 1UR-8UR UML-52EX SW3 1110 (I)

Floors	I/O	I11	I12	I13	I14	I15	I16	I17	I18
1-8 Floors		1ur	2ur	3ur	4ur	5ur	6ur	7ur	8ur

Car Calls (Inputs 9-16/SP) UML-52EX/SP SW4 0111 (B)

Floors	I/O	I11	I12	I13	I14	I15	I16	I17	I18
9-16 Floors		9c	10c/GN	11c/PS	12c/SS	13c/SOL	14c/CD	15c/LC	16c/BM

Hall Calls 9-16 UML-52EX SW3 1111 (A)

Floors	I/O	I11	I12	I13	I14	I15	I16	I17	I18
9-16 Floors		9D-10D/8U-11D/7U-12D/6U-13D/5U-14D/4U-15D/3U-16D/2U							

- SP-1 Inputs
- GN - Generator
 - BM - Lift Cancel
 - CD - Close Door P.B
 - CHD - Change Direction
 - LC/AS - Loading Control
 - SOL - Switch Overload
 - RES ERVE
 - RES ERVE
 - AS - Attendant Service
- SP-1 Outputs
- ZFR - Zero Floor Run
 - OFR - One Floor Run
 - RFL - Relay Failure
 - BZ1 - Buzzer 1
 - TFR - Two Floor Run
 - OL - Overload Signal
 - RES ERVE
 - RES ERVE

- SP-2 Inputs
- C18R - Open Limit Sw Rear Door
 - RODR - Safety Edge Rear Door
 - PHCR - Photo Cell Rear Door
 - ODR - Rear Open Door P.B
 - LC - Loading Control
 - SOL - Switch Overload
 - RES ERVE
 - RES ERVE
- SP-2 Outputs
- NGR - Rear Door Nudging
 - OFR - One Floor Run
 - RFL - Relay Failure
 - OR - Open Door Output
 - CR - Close Door Output
 - OL - Overload Signal
 - RES ERVE
 - RES ERVE

APP. NAME : Benci

APP. DATE :



Title: ENG-INPUT / OUTPUT MAP FOR UML-51R

Size: A4 Document Number: ENG-INPUT / OUTPUT MAP UML-51R 240408 Rev: 02

Date: Apr 25, 2008 Sheet: 4 of 9

ELV-5R/ SW-2 0=OFF 1=ON

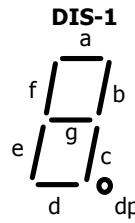
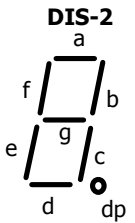
ELV-5R / SW1

Inductor Magnets & Shaft Switches

DIP No.	1	2	3	4	5	6	7	8
FLOOR No. 0	0	0	0	0	0			
1	1	0	0	0	0			
2	0	1	0	0	0			
3	1	1	0	0	0			
4	0	0	1	0	0			
5	1	0	1	0	0			
6	0	1	1	0	0			
7	1	1	1	0	0			
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14	0	1	1	1	0			
15	1	1	1	1	0			
16	0	0	0	0	1			
17	1	0	0	0	1			
18	0	1	0	0	1			
19	1	1	0	0	1			
20	0	0	1	0	1			
21	1	0	1	0	1			
22	0	1	1	0	1			
23	1	1	1	0	1			
24	0	0	0	1	1			
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26	0	1	0	1	1			
27	1	1	0	1	1			
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30	0	1	1	1	1			
31	1	1	1	1	1			

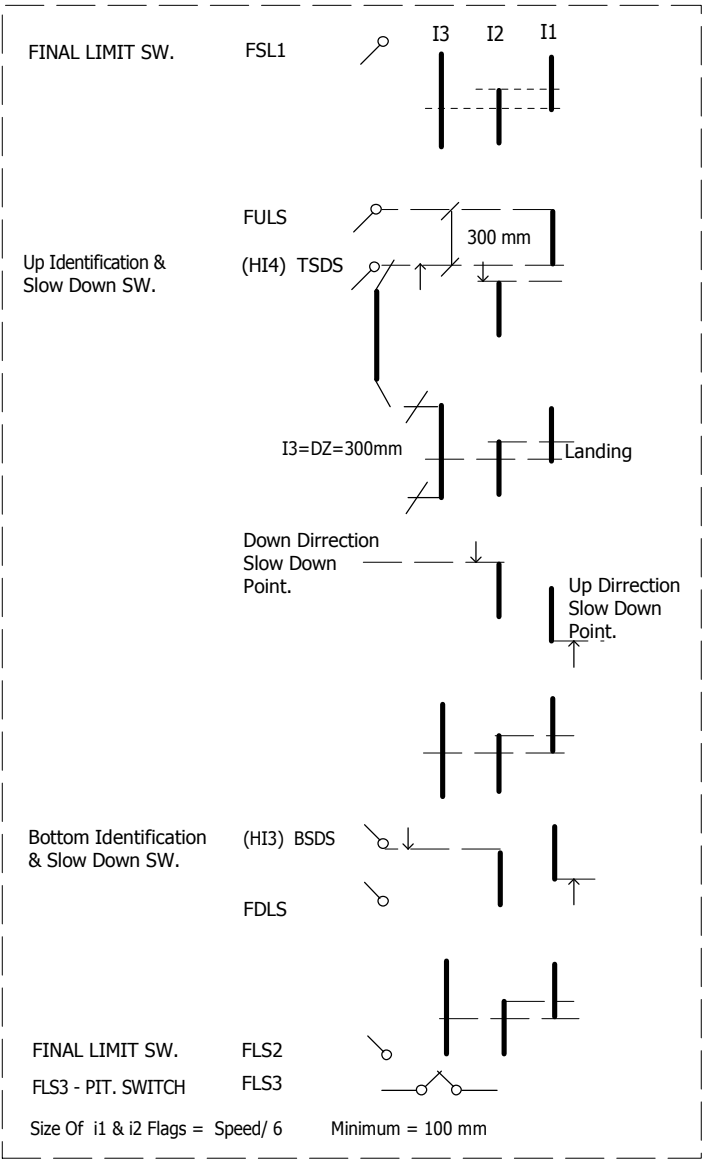
0=OFF			1=ON		
1)	MANUAL HALL DOORS		FULL	AUTOMATIC	DOORS
2)	PARKING WITH OPEN DOOR (NOT LOBBY)		PARKING	WITH	CLOSE DOOR
3)	SLOW SPEED INSPECTION DRIVE		FAST	SPEED	INSPECTION DRIVE
4)	WITHOUT RE LEVELING		RE	LEVELING	FOR HYDRAULIC AND VF
5)	WITHOUT PRE OPENING		PRE-OPENING	(VVVF CLOSE LOOP ONLY)	
6	7	8	The Number Of Lift For Group Communication		
0	0	0	SIMPLEX	(WITHOUT GROUP)	
1	0	0	LIFT No 1		
0	1	0	LIFT No 2		
1	1	0	LIFT No 3		
0	0	1	LIFT No 4		
1	0	1	LIFT No 5		
0	1	1	LIFT No 6		
1	1	1	LIFT No 7		

AC-2 SPEED DRIVE SYSTEM	0	0
VVVF DRIVE SYSTEM	1	0
HYDRAULIC DRIVE SYSTEM	0	1
RES ERVE	1	1



- a/2 - INDUCTORS I1 or I2 STOPPED FUNCTIONING
- b/2 - PHOTO ELECTRIC EYE STOPPED ACTING
- c/2 - DIESEL GENERATOR TERMINATION
- d/2 - 60 sec. CAR DELAYED ON FLOOR
- e/2 - SLOW SPEED TRAVELING TIMER
- f/2 - INDUCTOR I3 DID NOT CHANGED AFTER START
- g/2 - THE LIFT DOESN'T STOPPED IN DOOR ZONE
- dp - LIGHTING CONTINUOUSLY = POWER ON
- dp - WHEN FLASHING = GROUP COMMUNICATION FAILURE

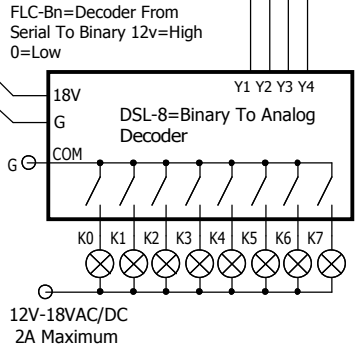
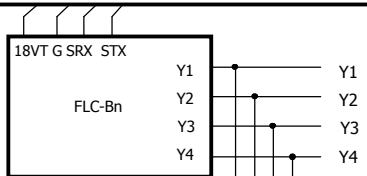
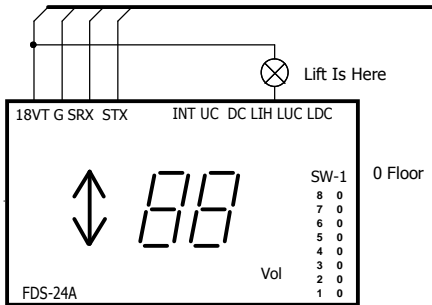
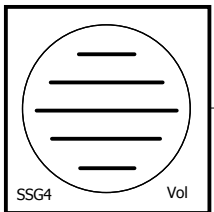
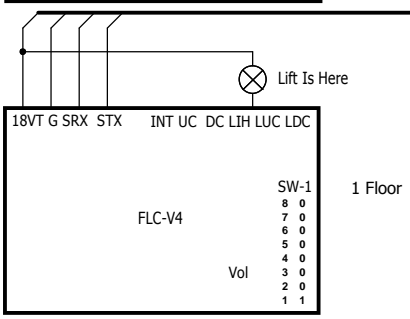
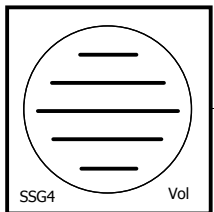
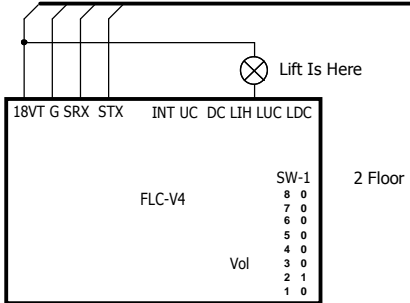
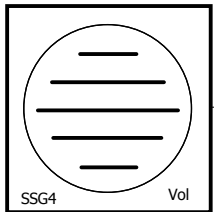
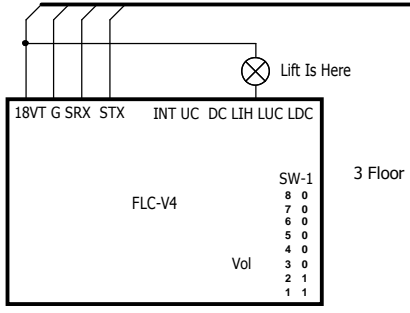
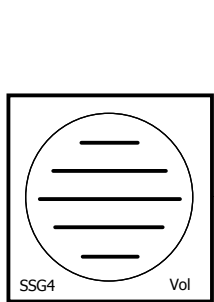
- a/1 - INTERLOCKS BRIDGED INDICATION AFTER INSPECTION
- b/1 - TRAVELING TIMER OR OBSTRUCTION TIMER
- c/1 - DOOR INTERLOCK FAILURE
- d/1 - CAR FIREMAN MODE TAKEN OUT NOT AT THE MAIN HALL FIREFIGHTER KEY
- e/1 - ONE OR MORE OF THE MAIN CONTACTORS DOSN'T RELEASE.
- f/1 - DOOR OPEN LIMIT SWITCH DIDN'T OPENED
- g/1 - HALL PUSH BUTTON STACKED
- dp - LIGHTING CONTINUOUSLY = POWER ON
- dp - WHEN FLASHING = PERMANENT SAFETIES OPENED



APP. NAME :	Benci
APP. DATE :	



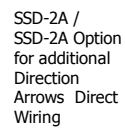
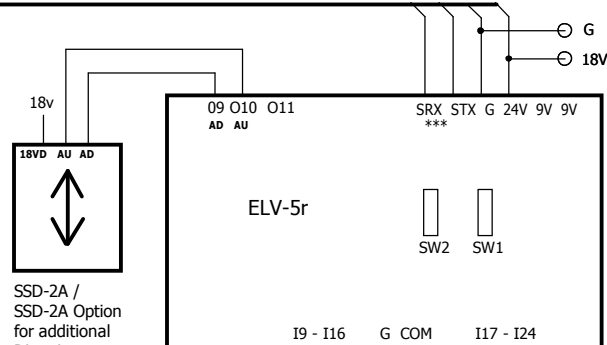
Title		
ENG Shaft Flags, Switches, Failure List and Master DipSwitches		
Size	Document Number	Rev
	UML-51r_SHAFT FLAGS, DipSwitches & FAILURES	02
Date:	Apr 26, 2008	Sheet 5 of 9



SW-1/ FLOOR ADDRESS 1=ON 0=OFF

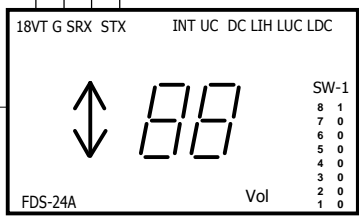
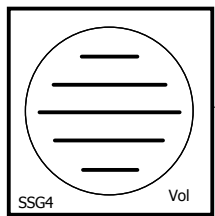
DIP No.	1	2	3	4	5	6	7	8
FLOOR No. 0	0	0	0	0	0	0	0	0
1	1	0	0	0	0	0	0	**
2	0	1	0	0	0	0	0	0
3	1	1	0	0	0	0	0	0
4	0	0	1	0	0	0	0	0
5	1	0	0	1	0	0	0	0
6	0	1	1	0	0	0	0	0
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29	1	0	0	1	1	1	0	0
30	0	1	1	1	1	1	0	0
31	1	1	1	1	1	1	0	0

* SW-1/7 = ON Only for Rear Side Floor Indicators ,Gongs and Lanterns.



*** Regular Wires For Communication to the Car and for the Shaft.

FDS-24A For Car Digital Indicator



** Address For The Car =Sw-1 No :8=ON Only.

Each FDS,FLC Have Car Calls Acceptance Buzzer and Volume Adjustment.

SSG4 = Two Sound Serial Floor Gong and Volume Adjustment.

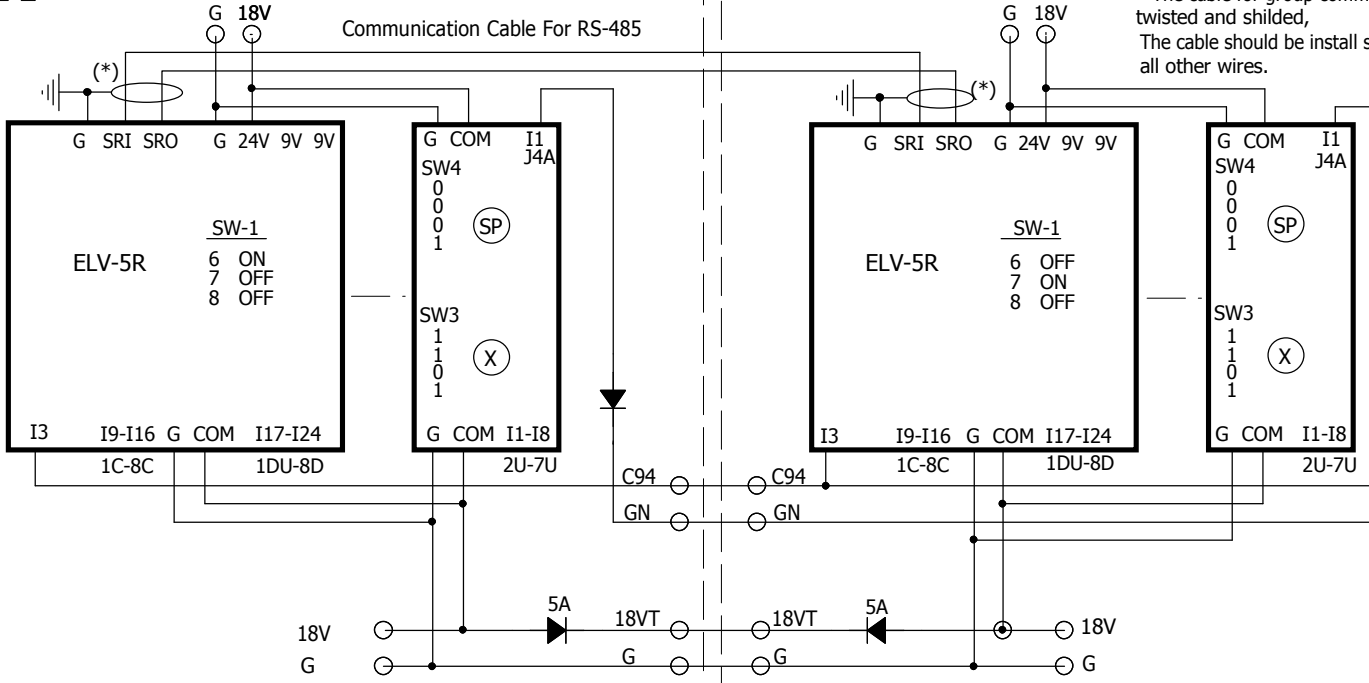
APP. NAME : Benci
 APP. DATE :



Title: Shaft and Car Position Indicators For UML-51r
 Size: A4 Document Number: ENG Digital FDS_FLC Cards and Signalization UML-51r 030607 Rev: 02
 Date: Apr 26, 2008 Sheet: 6 of 9

LIFT No 1

LIFT No 2



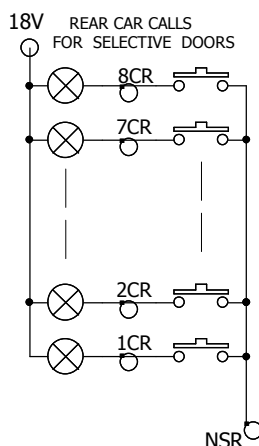
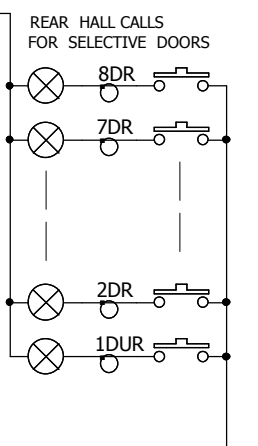
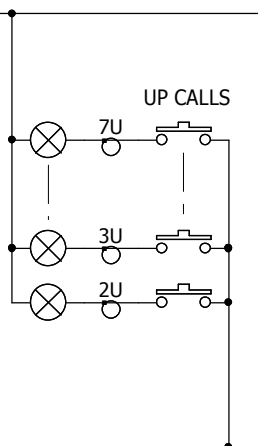
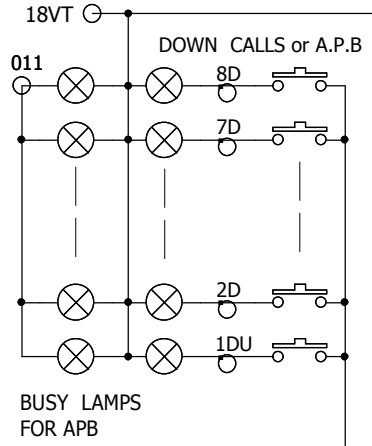
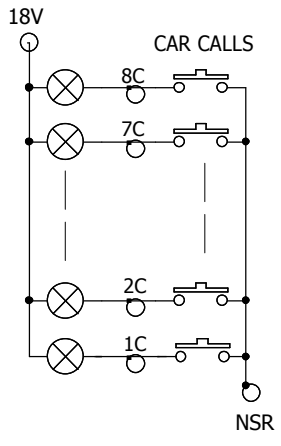
* The cable for group communication Should Be Suitable For (RS 485) twisted and shielded, The cable should be install separately and far as possible from all other wires.

18VT Is The Common Power Supply For all Hall Push Buttons

HFK=Hall Fire Fighter Key
DGS=Diesel Generator Contact.

Remarks.

All the lamps and the hall calls should be Referred to the 18VT.



This drawing is a sample for full collective 8 floors including special port.
For the Options of the selective rear side inputs /outputs please refer the I/O Map. In the same way is possible to connect more Lifts in a group.(Set the lift number by the SW-1 switches on the Master Card)
18V1 and NSR Terminals Regarding For LIFT NO1 In This Sample.
When Existing Rear Hall Calls in Bought Lifts, Please Jumper The Hall Calls Between The Controllers
All Common Hall Calls for Bought Lifts, Should Be Jumper Between The Controllers, Do Not Jumper a Privat Hall Call To Other Controller.

CARD TERMINAL -
ELECTRIC TERMINAL .

APP. NAME : Benci
APP. DATE :



Title: UML-51r_8 FLOORS_FULL COLLECTIVE+SP DUPLEX .
Size A4 Document Number ENG_UML-51r_Group Calls 240408 Rev 02
Date: Apr 26, 2008 Sheet 7 of 9