Elevator

SJT-WXX **5-H**

BL2000-BHT-V2n/FR2000-BHT-V2n

Elevator Control System User Guide

SWXX5-H-08.1-08

SJT-WVF5-H/WSH 7 PLC

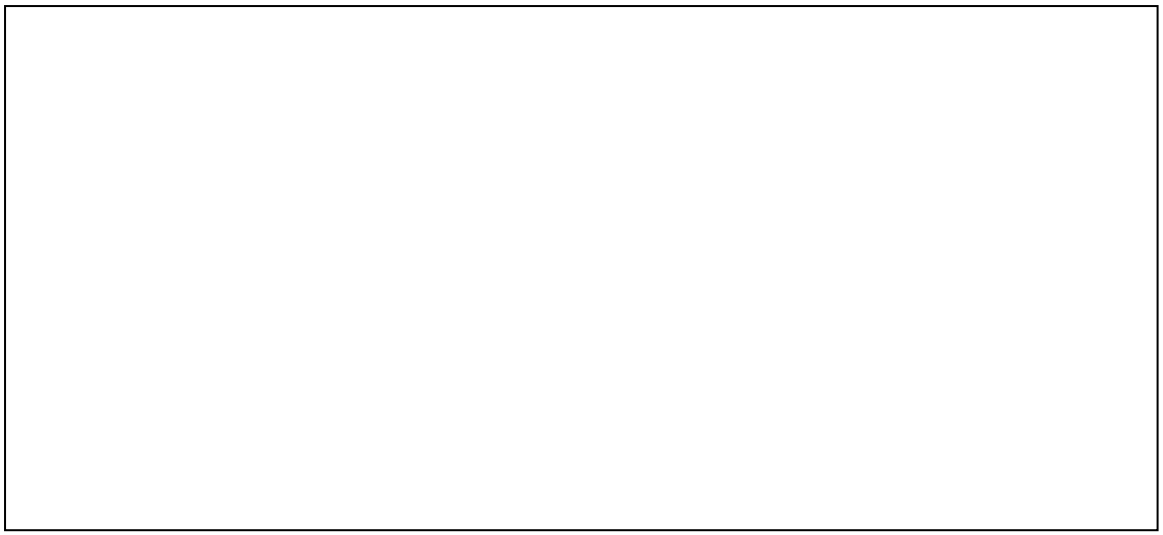
(SJT-WVF5-H)

(SJT-WSH 7) 13 1

/

FR2000-BHT-V2X/BL2000-BHT-V2X

FUJITSU 32



11				
12			1 2 3 4 5	1 **1** 2 **0** a. b. c. d. e.
13			1 2 3 a. b. c. 10 d. / 10	1 2 CPU ,
14				

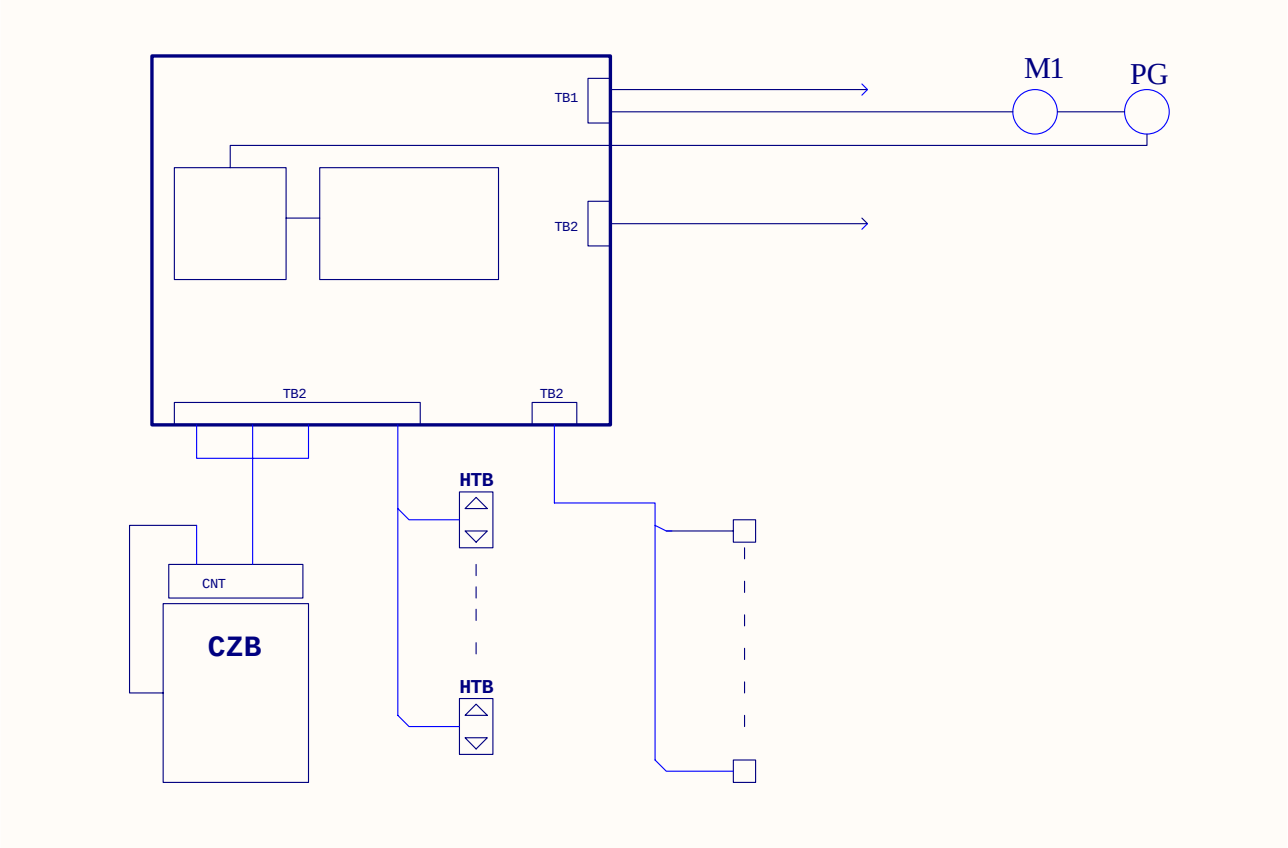
1			1 2 5	6 “**Success**” CC
2				
3				5
4				
5				
6				7 7 7 BC G
7				1 2 3
8				
9			1 2 10	5
10				

11				
12				
13				

1		
2		
3		
4		
5		
6		
7		

1		
2		
3		

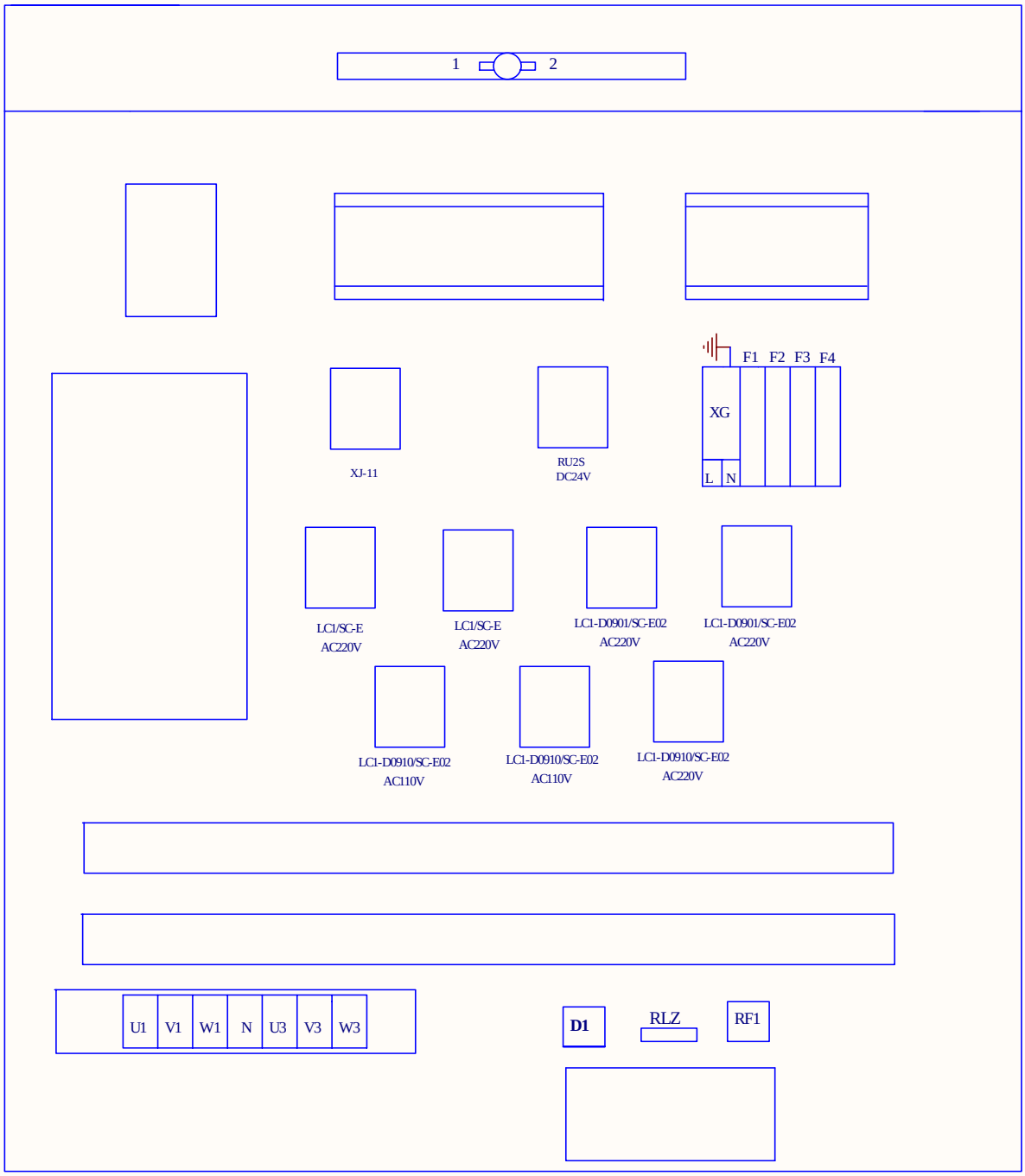
2-1 BL-2000-BHT



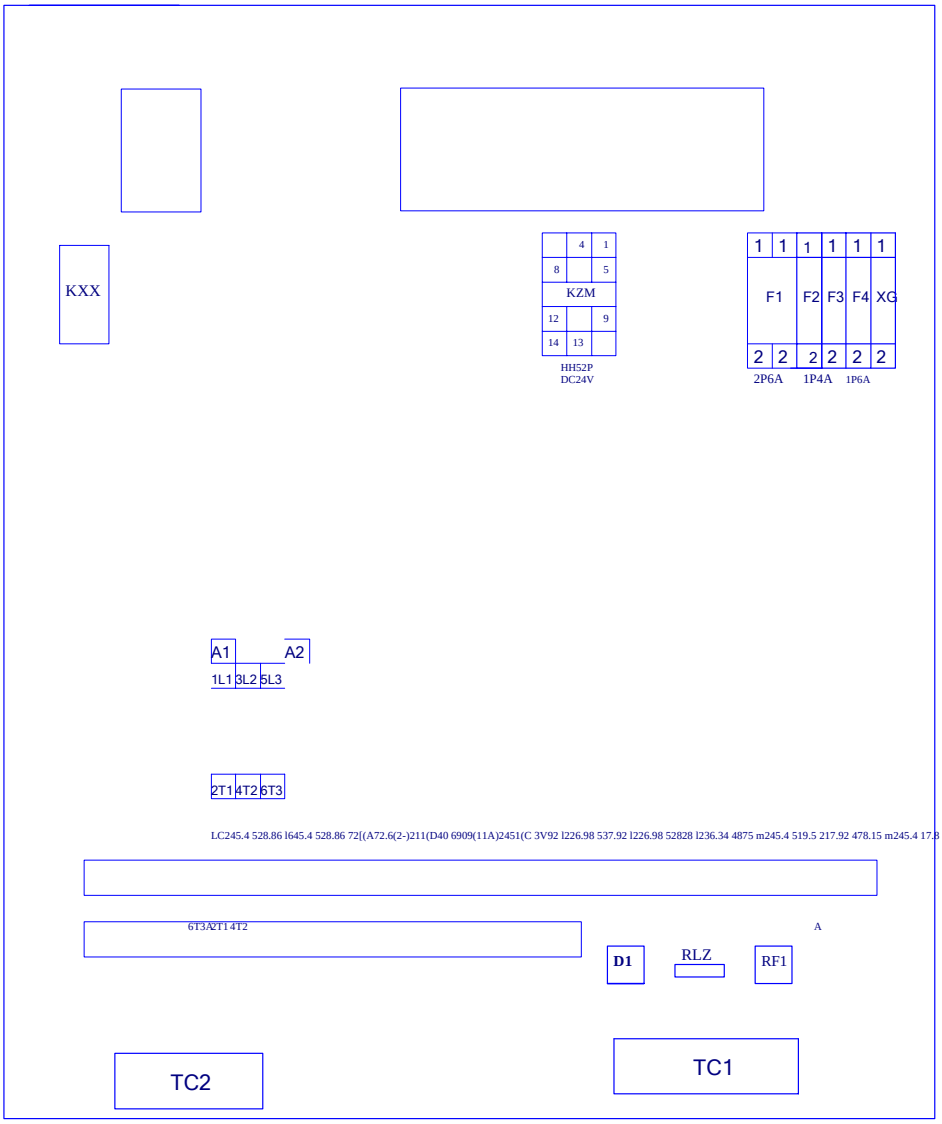
2-1

2 1 2

2-2 a 2-2 b



2 – 2 SJT-WVF5-H 7


KXX
4
1
8
5
KZM
12
9
14
13
HH52P
DC24V
1
1
1
1
1
1
F1
F2
F3
F4
XG
2
2
2
2
2
2
2P6A
1P4A
1P6A
A1
A2
1L1
3L2
5L3
2T1
4T2
6T3
LC245.4 528.86 l645.4 528.86 72[(A72.6(2-)211(D40 6909(11A)2451(C 3V92 l226.98 537.92 l226.98 52828 l236.34 4875 m245.4 519.5 217.92 478.15 m245.4 17.8 530.6603 T 17.8 53217.92 478.15217.92 478.1 l217.92 17.8 52
6T3A2T1 4T2
A
D1
RLZ
RF1
TC2
TC1

13 RZD

14 TZD 100

15 RF1 110V

16 D1

17 RLZ

18 KZM

19 KXF

20 KS

21 KX

22 KZD

23 KMC

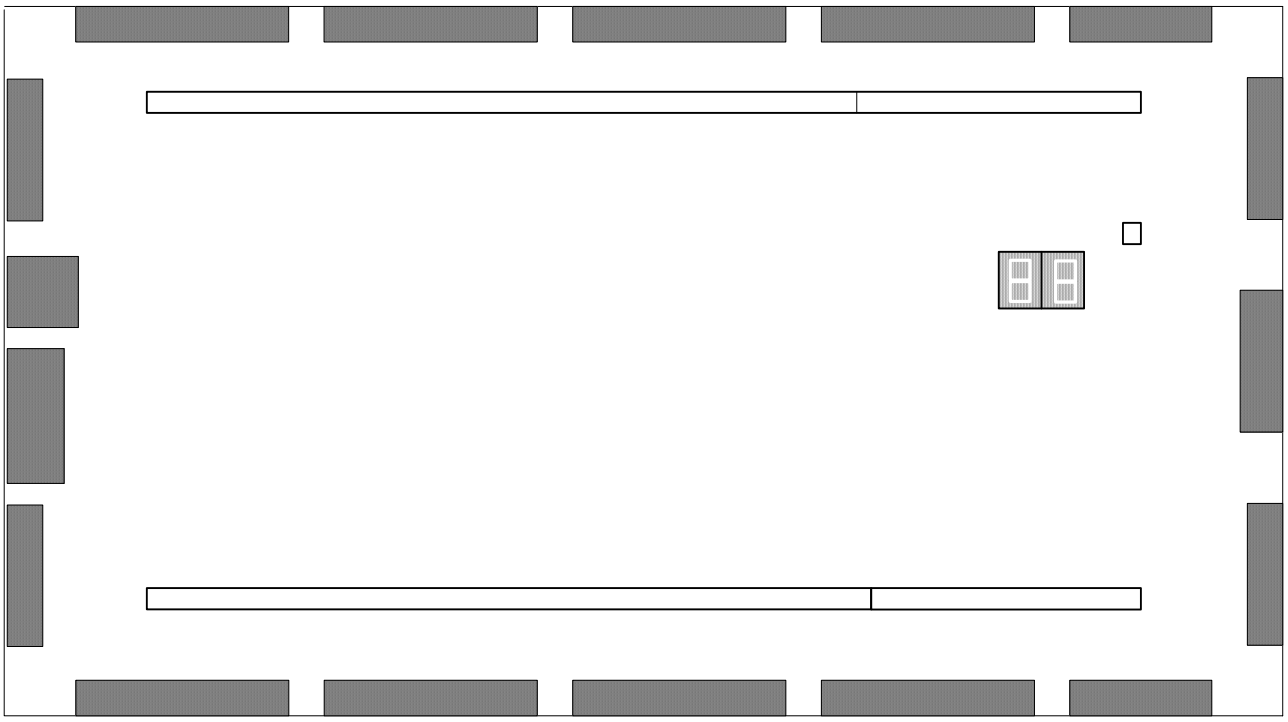
24 KKC

25 KJC

26 FR FR1 FR2

27 BL-2000-BHT

2-3



2.3 BL2000-BHT/ FR2000-BHT

J15 CN1 J16

X0~X36 LED X0~X36 X36 LED X36+ X36- 220 V 110V

I0~I12 LED I0~I12

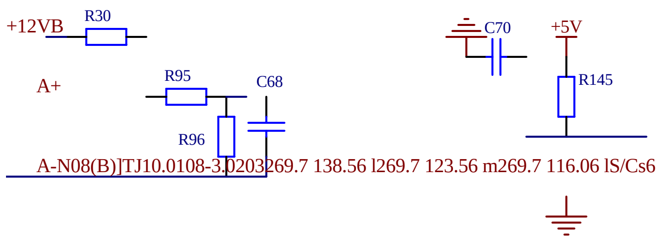
L0~L16 LED L0~L12

Y0~Y30 LED Y0~Y30

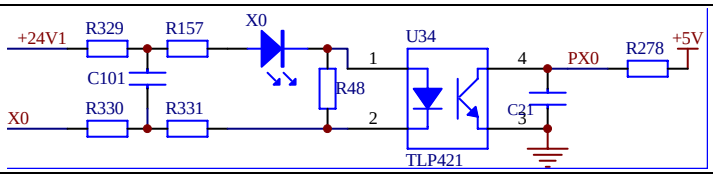
[redacted]

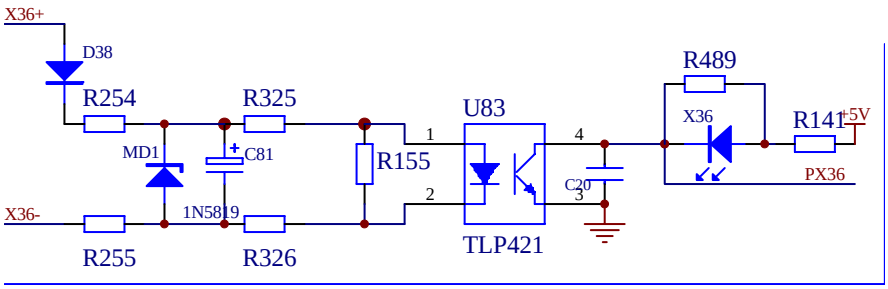
[redacted]

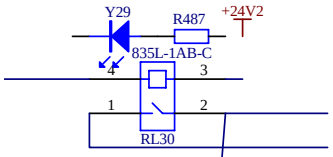
[redacted]



A-N08(B)]TJ10.0108-3.0203269.7 138.56 l269.7 123.56 m269.7 116.06 lS/Cs6 CS 0 0 1 SCN269.7 125.78 m269.7 123Tc[(A)10.7(-N58004


+24V1
R329
R157
X0
C101
X0
R330
R331
R48
1
2
U34
TLP421
4
3
PX0
C21
R278
+5V


X36+
D38
R254
R325
MD1
C81
X36-
1N5819
R255
R326
R155
1
2
U83
TLP421
4
3
C20
R489
X36
R141
+5V
PX36


Y29
R487
+24V2
835L-1AB-C
4
3
1
2
RL30

J5 L1~L10

J6 L11~L12

2

2 2

PLC

7 U1,V1,W1

U1 V1 W1 N

15KW 10mm^2 U3 V3 W3

1

2 I/O

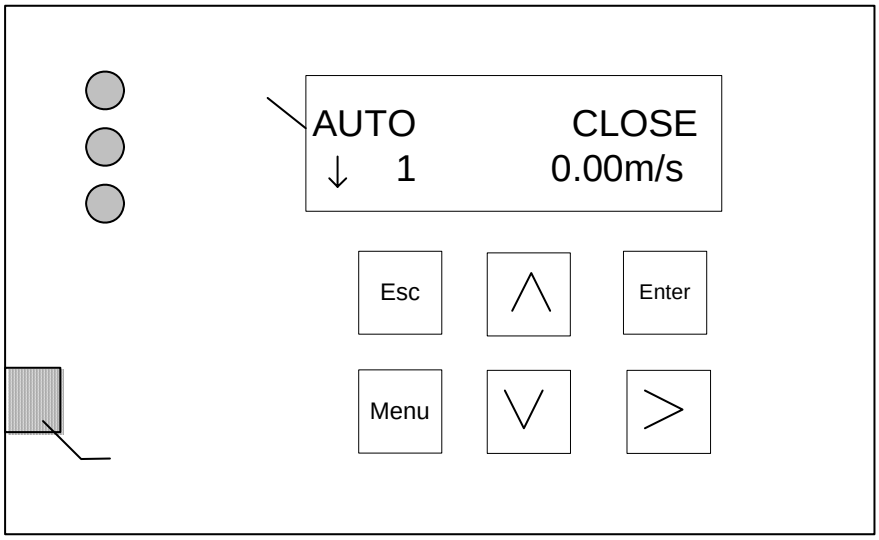
3

4

5

6

5



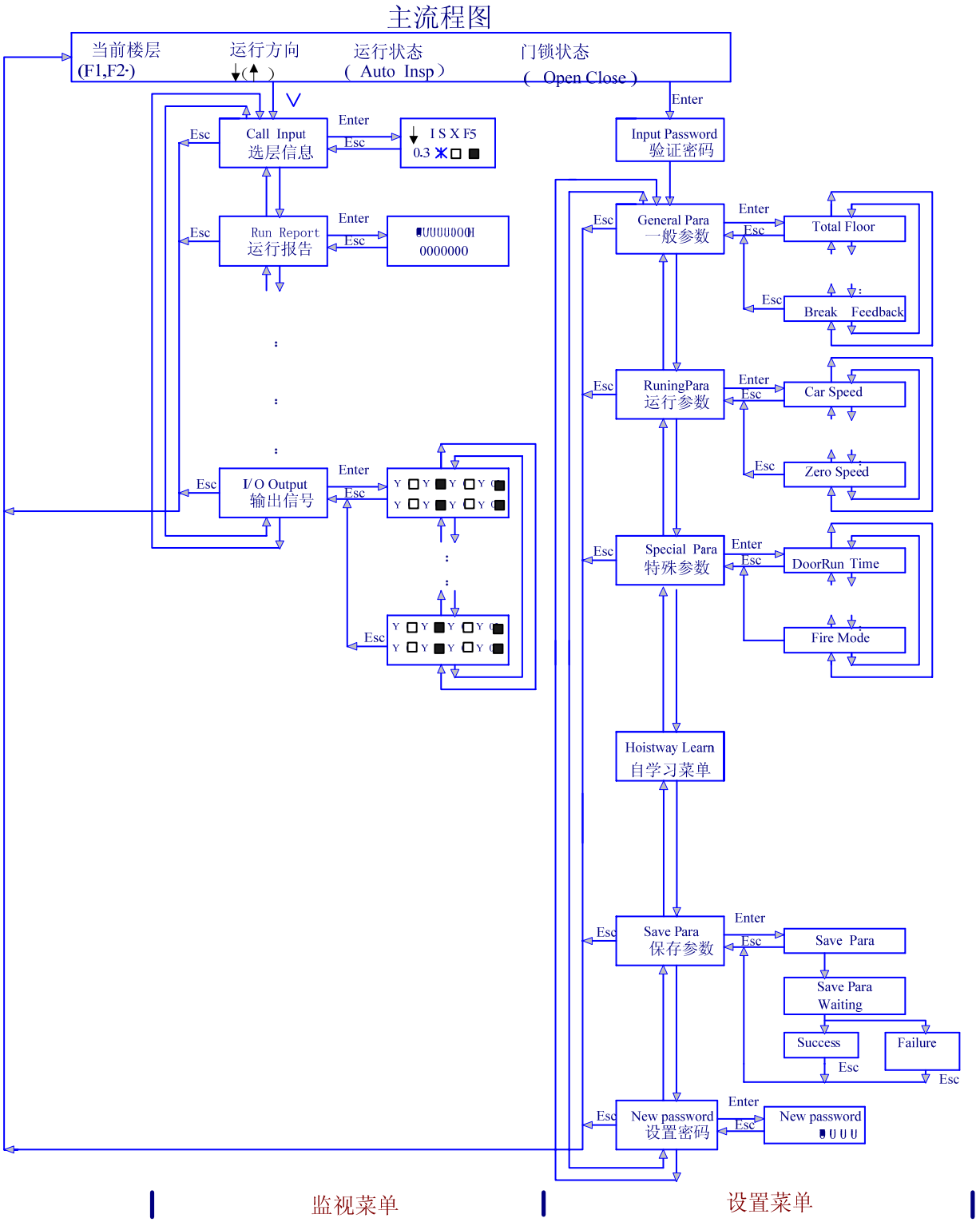
Menu

Enter

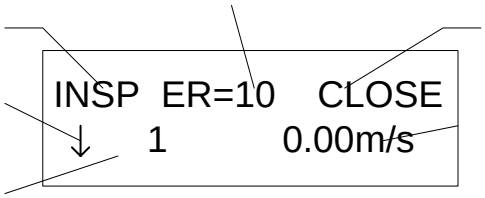
Esc

Yes ON

NO OFF


主流程图
当前楼层
(F1,F2·)
运行方向
运行状态
(Auto Insp)
门锁状态
(Open Close)
Enter
Call Input
选层信息
Esc
Enter
Esc
I S X F5
0.3
Run Report
运行报告
Esc
Enter
Esc
0000000
I/O Output
输出信号
Esc
Enter
Esc
Esc
Input Password
验证密码
Enter
General Para
一般参数
Esc
Enter
Esc
Total Floor
Esc
Break Feedback
RuningPara
运行参数
Esc
Enter
Esc
Car Speed
Esc
Zero Speed
Special Para
特殊参数
Esc
Enter
Esc
DoorRun Time
Fire Mode
Hoistway Learn
自学习菜单
Save Para
保存参数
Esc
Enter
Esc
Save Para
Save Para
Waiting
Success
Failure
Esc
Esc
New password
设置密码
Esc
Enter
Esc
New password
监视菜单
设置菜单

Learning Waiting Menu



ü INSP MANU AUTO FIRE STOP USED

ü ER=#

ü CLOSE OPEN

ü

3.4.2 10

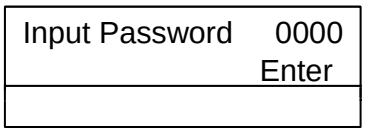
1 2 3

3.3.3 a

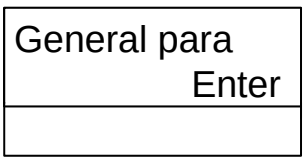
3.3.3 b 0000

1010

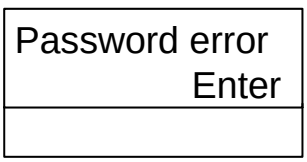
1 Enter Menu Enter



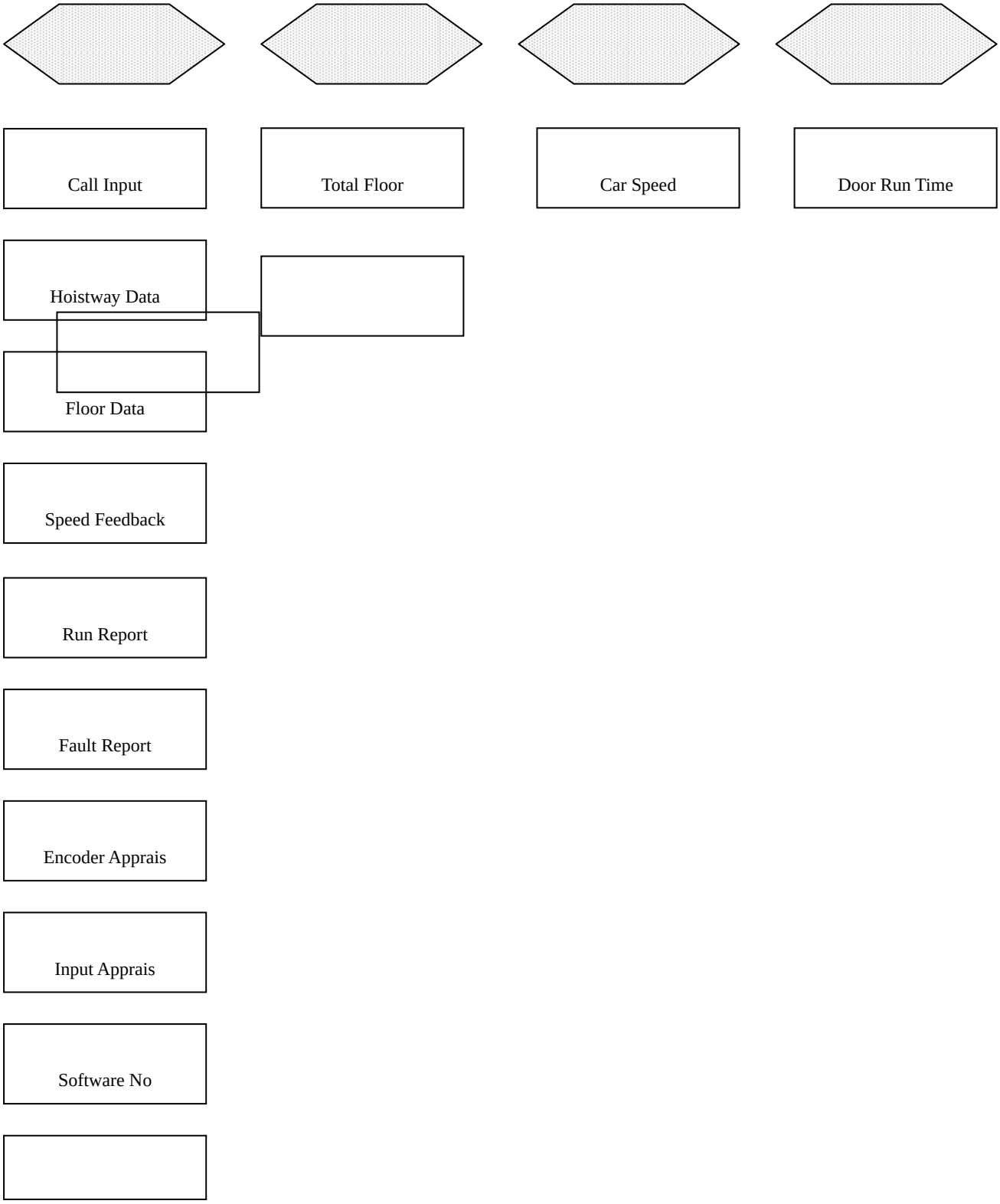
2 > Enter



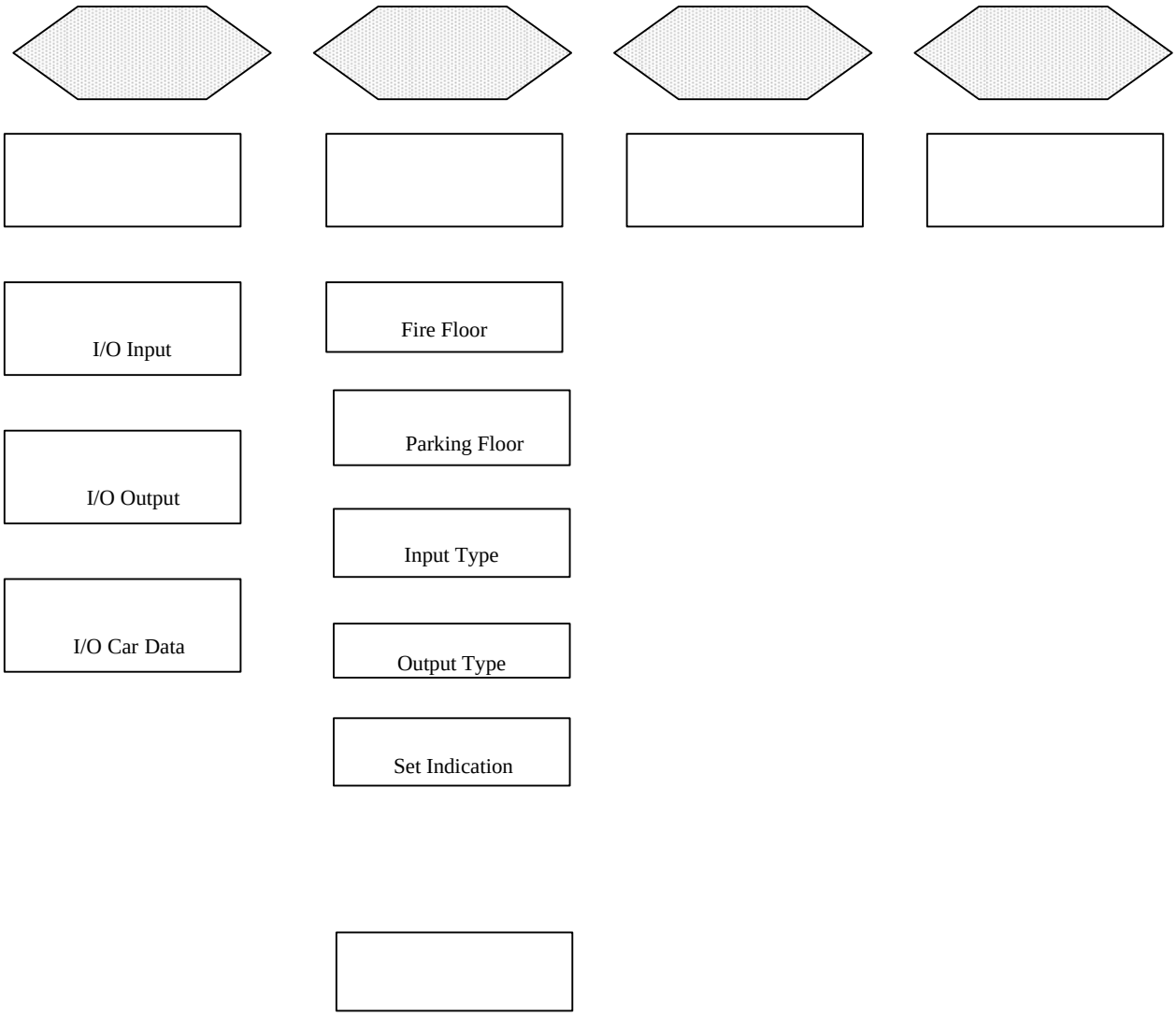
3

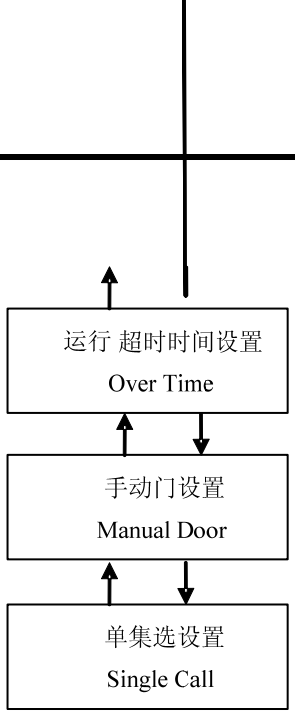


4 Enter 1 Enter 2


Call Input
Total Floor
Car Speed
Door Run Time
Hoistway Data
Floor Data
Speed Feedback
Run Report
Fault Report
Encoder Apprais
Input Apprais
Software No

1 3.3.3 (a)


I/O Input
I/O Output
I/O Car Data
Fire Floor
Parking Floor
Input Type
Output Type
Set Indication


运行 超时时间设置
Over Time
手动门设置
Manual Door
单集选设置
Single Call

1

1		Call Input	
2		Hoistway Data	
3		Floor Data	
4		Speed Feedback	rpm m/s
5		Run Report	
6		Fault Report	
7		Encoder Apprais	/
8		Input Apprais	
9		Software No	
10		I/O Input	
11		I/O Output	
12		I/O Car Data	/

2

1		Total Floor	5	1-13	
2		Homing Floor	1*	1-	
3		Open Door Time	5s*	0-999s	
4		Open Delay Time	30s*	0-999s	Yes
5		Homing Time	60s*	0-999s	
6		Fire Floor	1*	1	
7		Parking Floor	1*	1	
8		Input Type	ON		ON OFF ON OFF
9		Output Type	OFF		OFF ON
10		Set Indication	00 13		
11		Set Stop Floor	ON		
12		Open Delay Able	NO*		
13		Brake Feedback	Yes*		Yes NO
14		Door Select			

15		Door Call Set			
16		Input Select			
17		Output Select			
18		Show Select	0	0~3	0 1 BCD 2 3 4

3

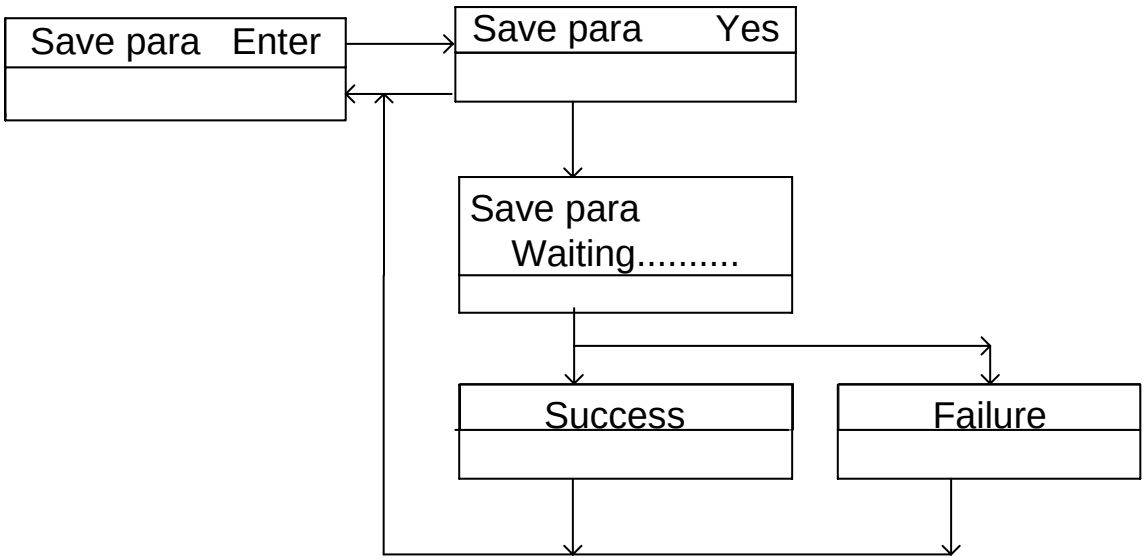
1		Car Speed	1m/s	0.5-1.0m/s	
2		Motor Speed		1-9999r	
3		Pulses		500-9999	
4		Brake On Time	50ms*	10~9990ms	
5		Brake Off Time	50ms*	10~9990ms	
6		Acc On Time	500ms*	100-9990ms	
7		Dec On Time	500ms*	100-9990ms	
8	1	Dec On Time1	0ms*	100-9990ms	
9		Flr No.Chg Deley	0*	10~9990ms	
10		Zero Speed	5rpm*	0-9999	
11		Zero Time	200ms*	10-9990ms	
12		Brake Check Time	2000ms*	10-9990ms	
13		Beep Delay Time	0*	9990ms	
14		Lamp Off time	15min		
15		Brake Err Count	5*	0-249	
16	KDY	KDY Err Count	5*	0-249	KDY
17		Ins Brake time			
18		Leveling Adj	50mm		/

4

1		Door Run Time	5s*	0-999s	
2		Factory para	NO		
3		Read Para	NO		
4		Write Para	NO		
5		Two Door Mode	0*	0-1	

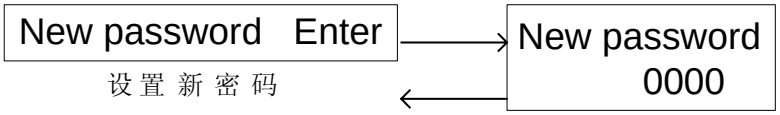
6		Fire Mode	0*	0-1	
7		Jog Select	0*	0/1	0 1
8		Control Mode	SHS*	WVF5-H/ SHS	**WVF5-H:** SHS
9	PG	PG Input Able	1*	1/0	/
10		Multi Speed Give	0*	0~1m/s	
11		Decel Distance	0*	0~10m	
12		Over Time	45	0~999s	
13		Manual Door	No*	Yes/No	No: Yes
14		Single Call	No*	Yes/No	No: Yes
15		Function Select	OFF	ON/OFF	

*

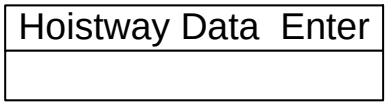


Yes Success

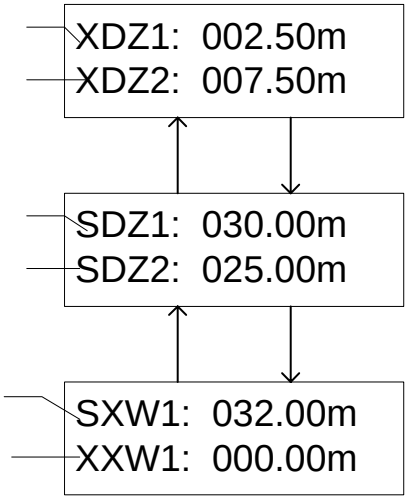
Failure


New password Enter
New password
0000
设 置 新 密 码

1



2 Enter



3

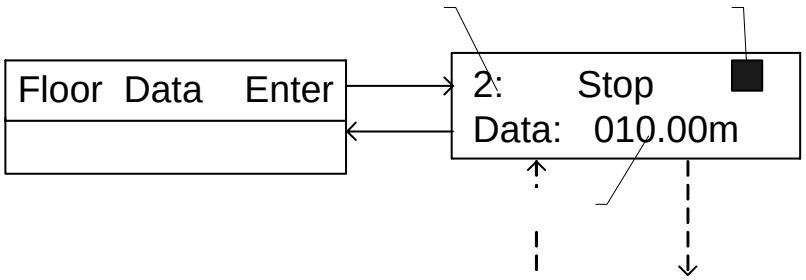
4 Esc

3

ü

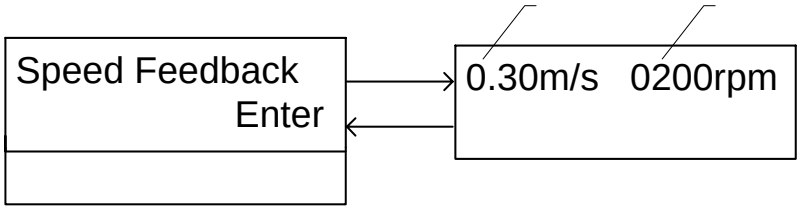
ü

ü

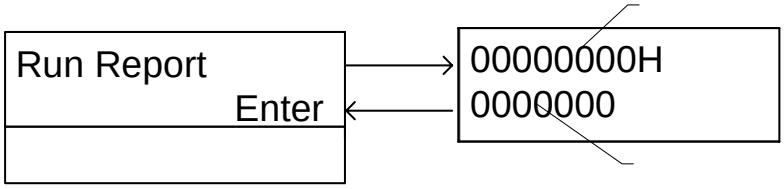


4 ( )

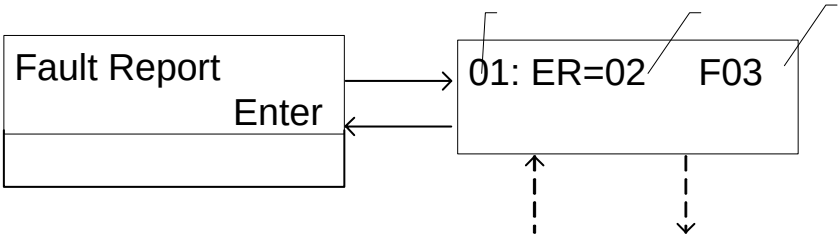
m/s (rpm)


Speed Feedback
Enter
0.30m/s 0200rpm

5


Run Report
Enter
00000000H
0000000

6


Fault Report
Enter
01: ER=02 F03

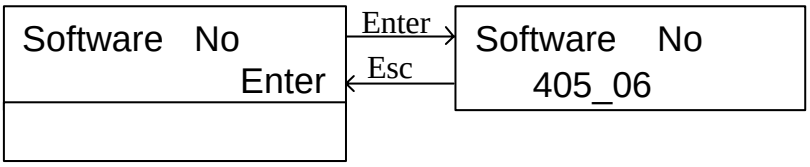
I/O 1

ü 1 0

ü 1 0

3.4.2 8

9



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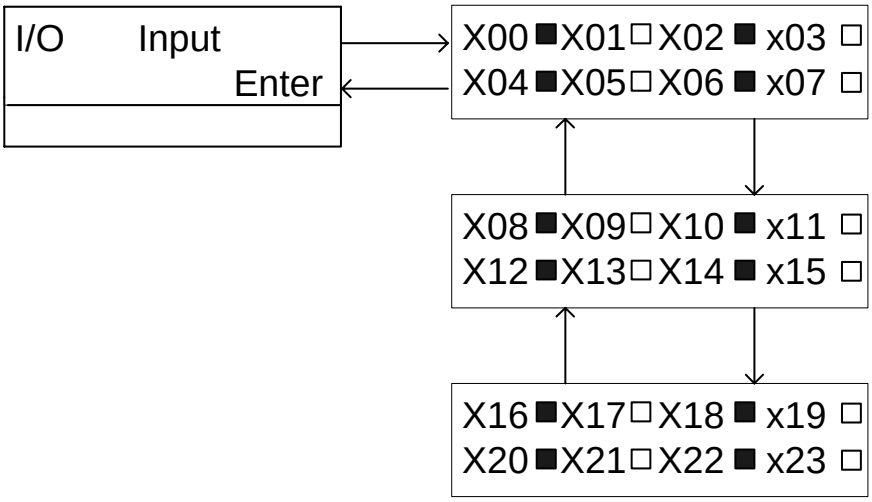
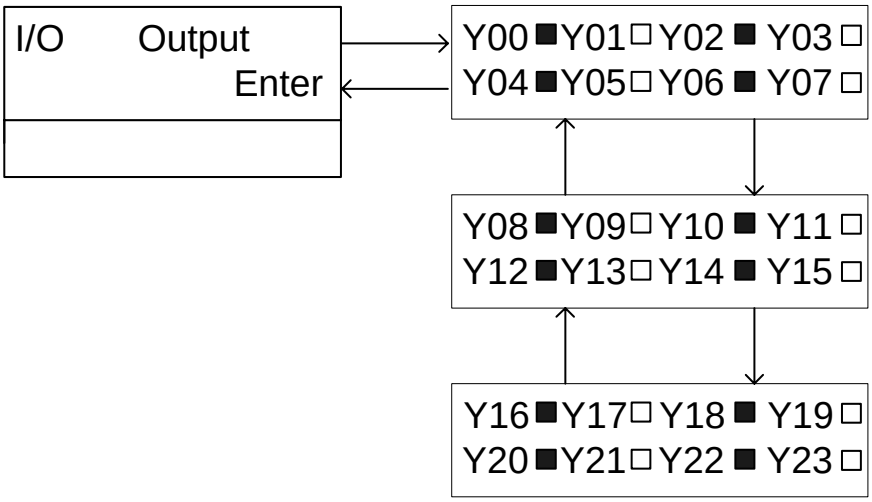


ü 1

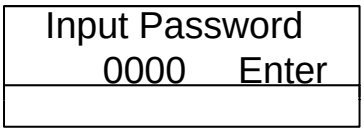
ü 0

11

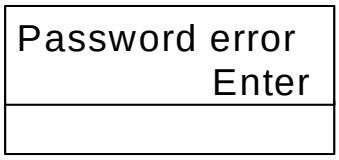

I/O
Output
Enter
Y00 Y01 Y02 Y03
Y04 Y05 Y06 Y07
Y08 Y09 Y10 Y11
Y12 Y13 Y14 Y15
Y16 Y17 Y18 Y19
Y20 Y21 Y22 Y23

ü

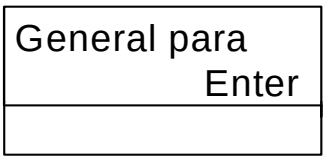
(/)



> Enter

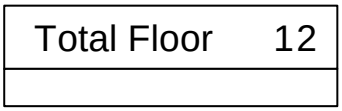


Enter Enter



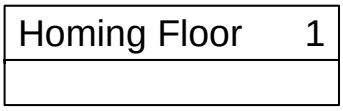
Enter

1



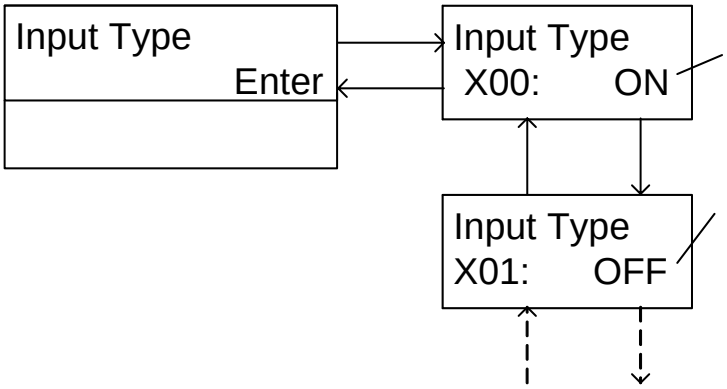
Enter Enter Esc

2



3

2S

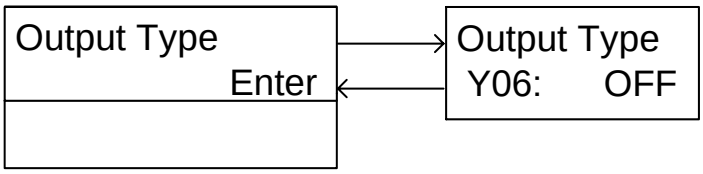


ON

OFF

9

OFF ON OFF

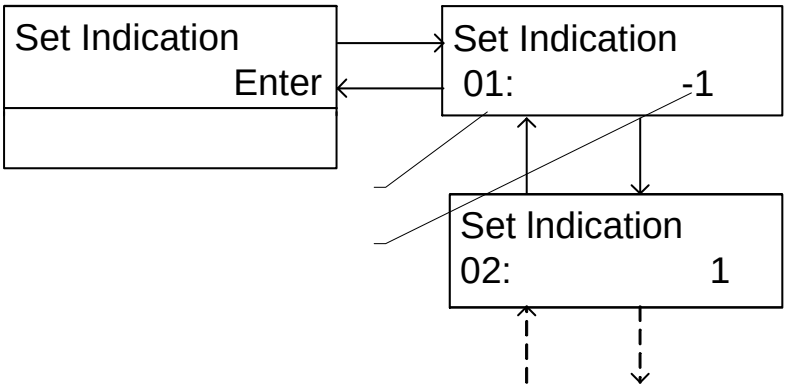


Y6 ON

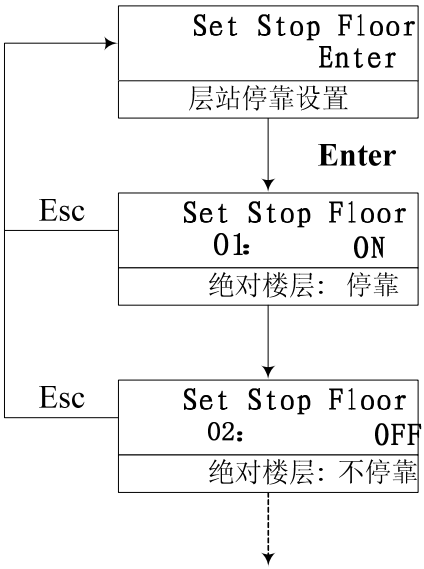
10

7 7

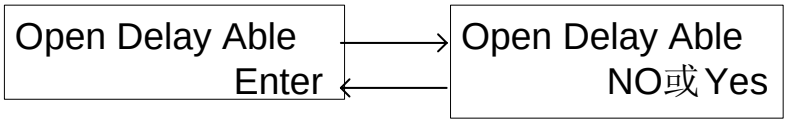
7 BC G



11


Set Stop Floor
Enter
层站停靠设置
Enter
Esc
Set Stop Floor
01: ON
绝对楼层: 停靠
Esc
Set Stop Floor
02: OFF
绝对楼层: 不停靠

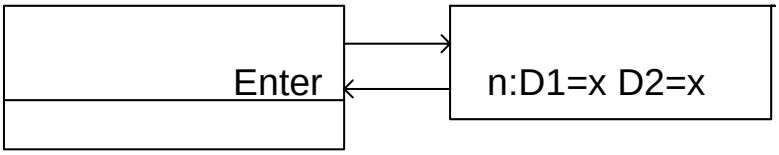
12


Open Delay Able
Enter
Open Delay Able
NO或Yes

Door Select
6 d1=Y d2=N

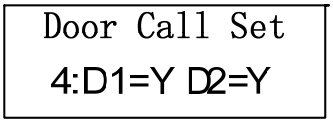
Door Select
7 d1=Y d2=Y

15 >1



n
d1 >
d2 >
x Y N Y N

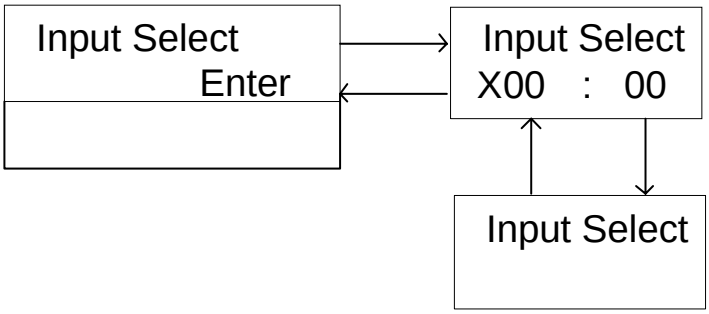
1 2 1 2 3 2
1 2 1
1 6 4
4

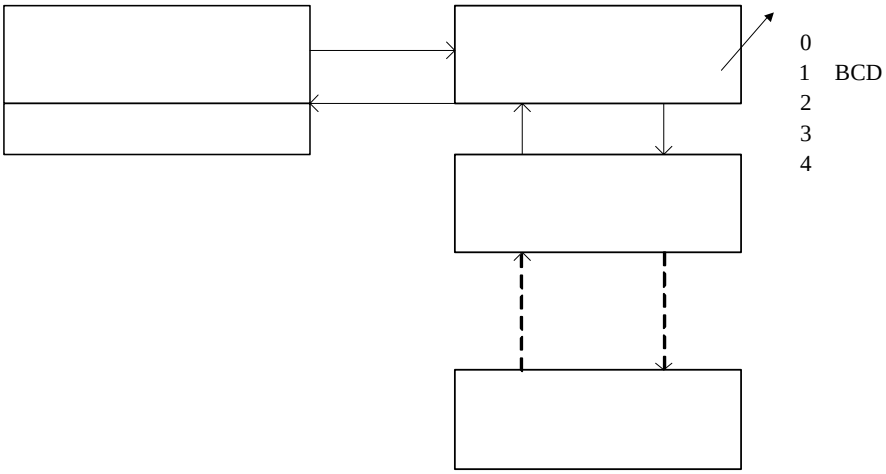


Y, N 1-6 1-6 4
6 4 7 4 7

2 3 1 2 3 1 Y N;
2 Y Y; 3 N Y 1 1 1 2
2 2 1 2 2
3 3 3 3 4
4

16

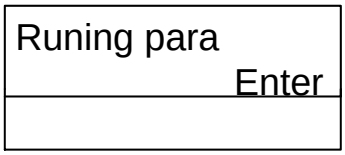

Input Select
Enter
Input Select
X00 : 00
Input Select



1 2 3 4

	Y18	Y19	Y20	Y21	Y22	Y23	Y24	Y25	Y26
1 2 4	Bit0	Bit1	Bit2	Bit3	Bit4	Bit5	Bit6		
3	1	2	3	4	5	6	7	8	

3 4 3

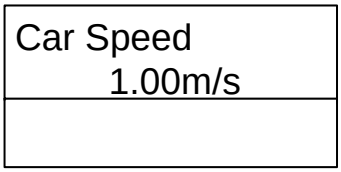


1

ü

ü

ü



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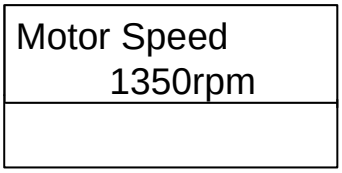
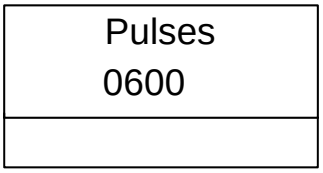


3

ü /

(16kHZ)



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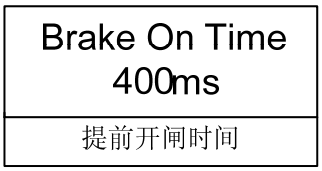
4



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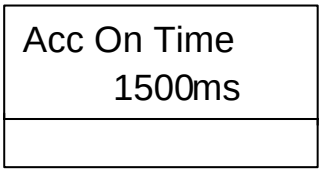
6



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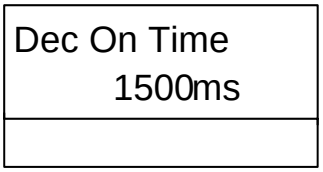
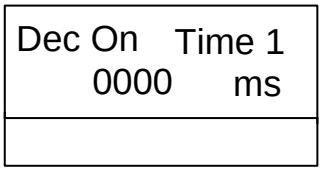
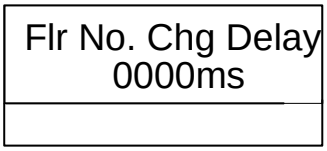
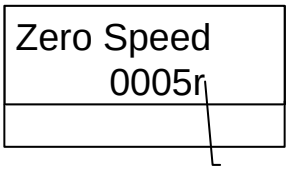

Dec On Time
1500ms


Dec On Time 1
0000 ms

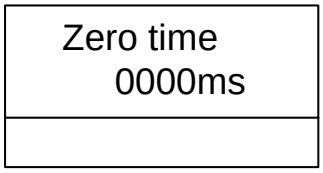
9


Flr No. Chg Delay
0000ms

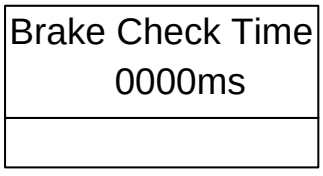
10


Zero Speed
0005r

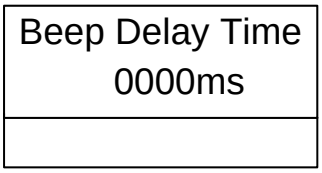
11


Zero time
0000ms

12


Brake Check Time
0000ms

13



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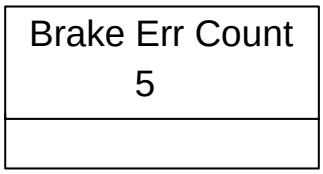
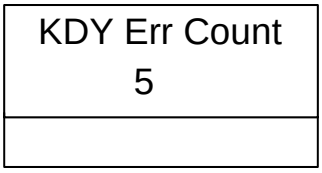
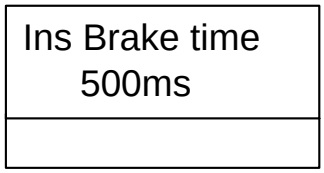


16 KDY

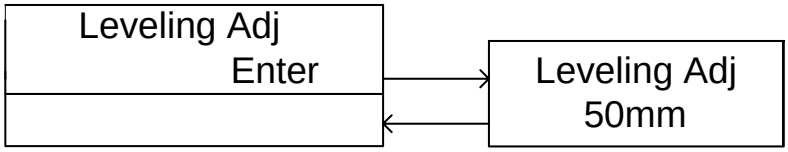
KDY

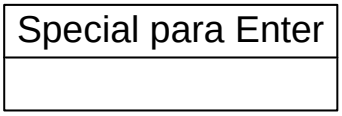




18

50mm

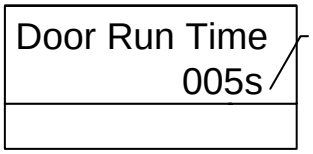




1 /

/

/ 1S



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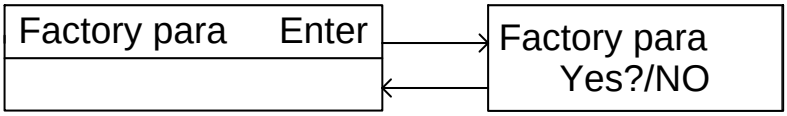
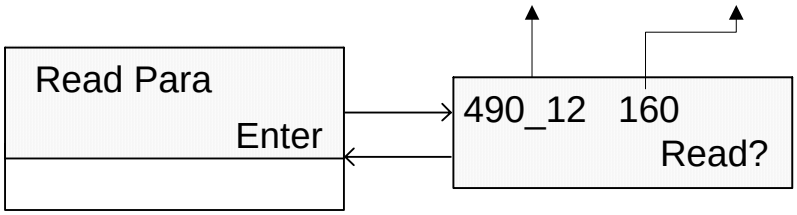
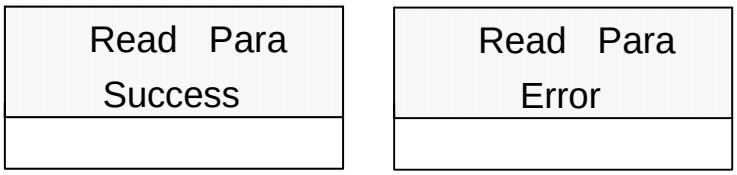
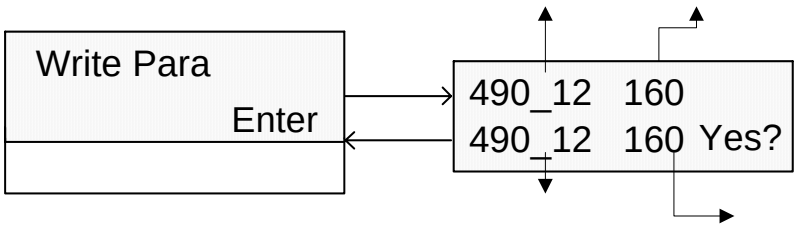
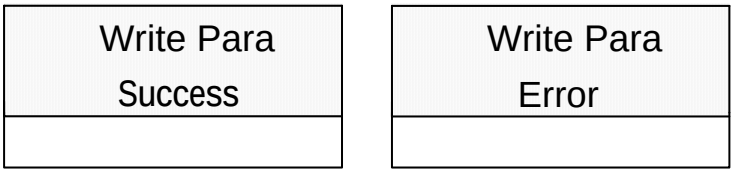


Yes

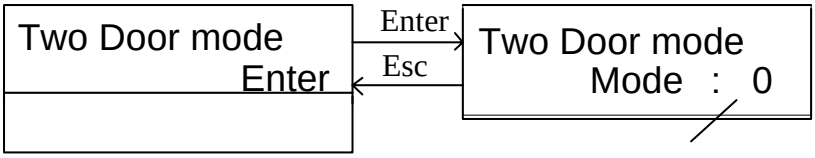

Read Para
Enter
490_12 160
Read?


Read Para
Success
Read Para
Error


Write Para
Enter
490_12 160
490_12 160 Yes?


Write Para
Success
Write Para
Error

5


Two Door mode
Enter
Enter
Esc
Two Door mode
Mode : 0

ü n=0

ü n=1 1 ( )

3 3 1 3 2 1

ü n=2 2 ( )

ü n=3 4 3 4 3 4 (
)
/

ü n=5 5 ( )

5 2 5 2

ü 2~5

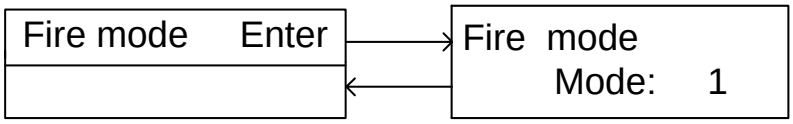
Door Call Set 3

Door Call Set

6

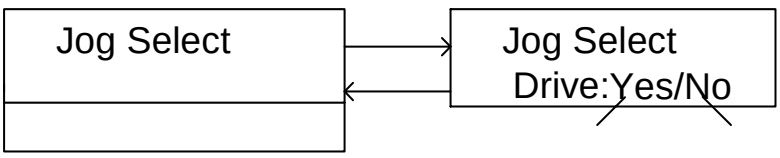
1

0

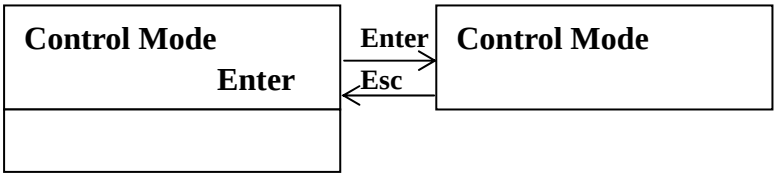


7

Drive Yes , Drive No

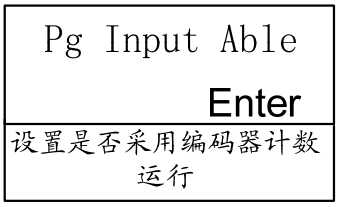


(8)

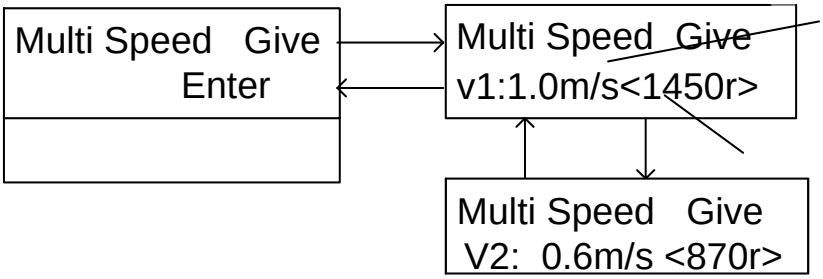


9 PG

Pg Input A



10



3-10

/	1.0m/s	
	V	S
V1/S1	1m/s	1.3m
V2/S2	0	0

1 V1~V2 (V1)

2 S1~S2 V1~V2 S1~S2

1 1.0m/s V1 V2 0

2 1.0m/s 1.3m V2
S2 V2 S2
0.5 V2 S2 S2= V2× V2

2* +150mm

3

4

(rpm)

V1~V2

Y8 Y9 Y10

3-11

	Y10 J9-7	Y9 J9-6	Y8 J9-5
	0	1	0
	0	0	1
	0	1	1
2 V2	1	1	0
V1	1	1	1

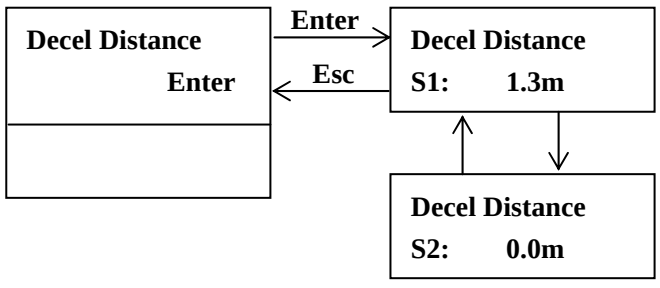
2-4

11

ü

ü

ü 3-10

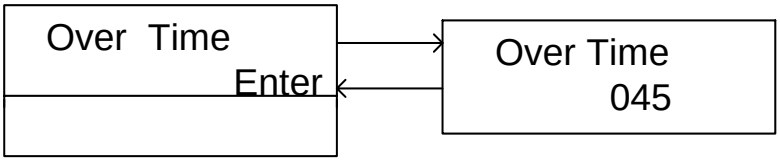


12

ü

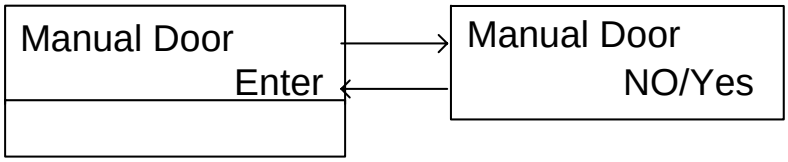
ü

ü 45



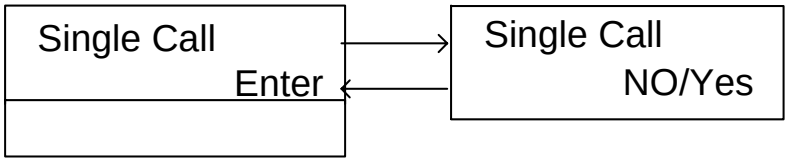
13

Yes



14

yes



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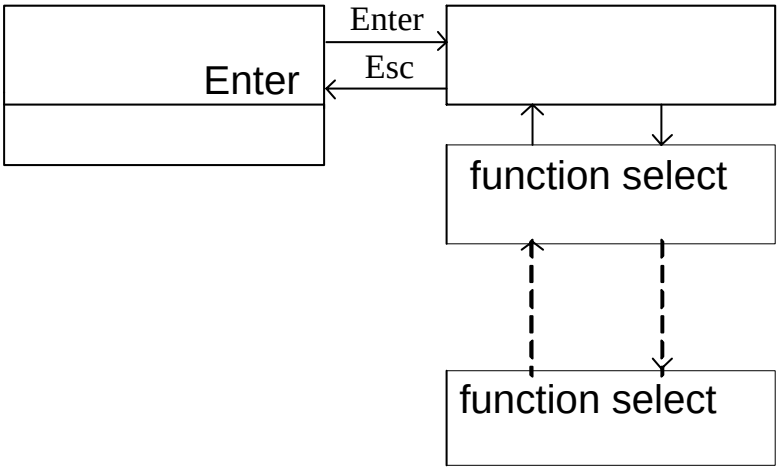


3-12

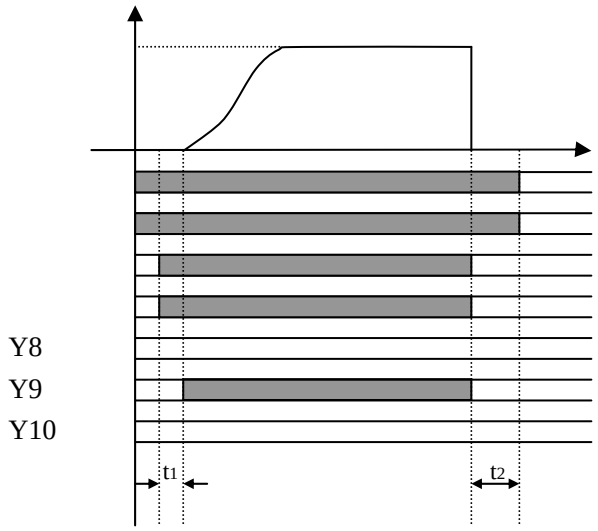
FU02 ON OFF

1-1

，

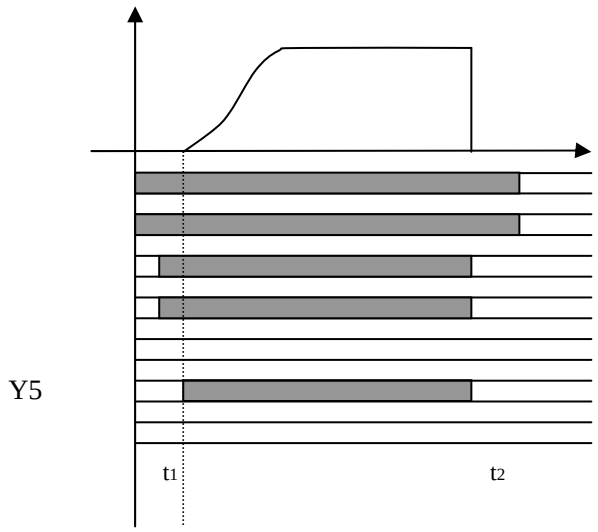
Y8 Y9 Y10

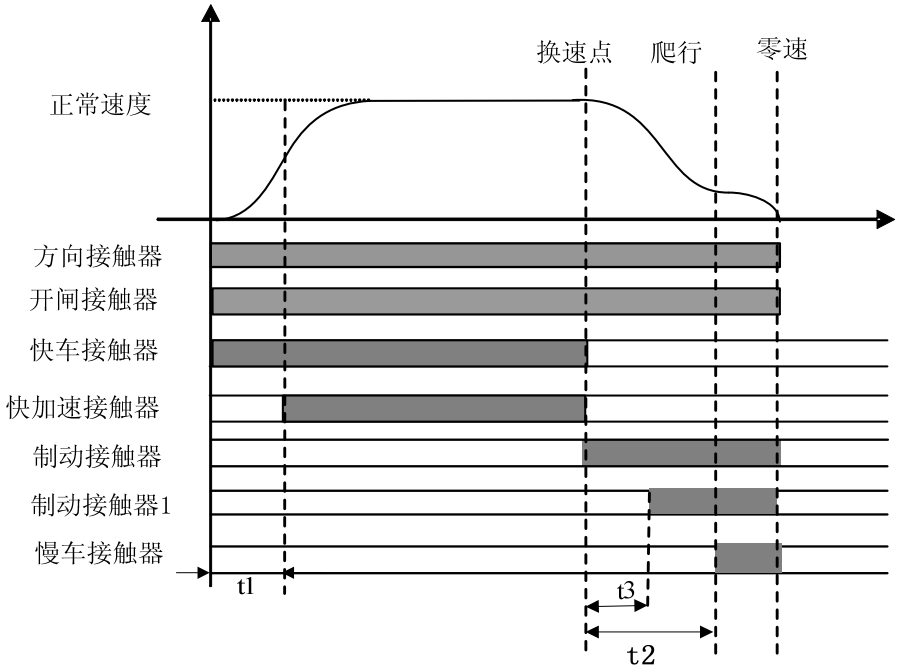
	Y10 J9_7	Y9 J9_6	Y8 J9_5
	0	1	0
	0	1	1
	1	1	1



t1: t2: Ins Brake Time 500ms

Drive Yes Y5




换速点
爬行
零速
正常速度
方向接触器
开闸接触器
快车接触器
快加速接触器
制动接触器
制动接触器1
慢车接触器
t1
t3
t2

2 616G5 676GL5-JJ

1

MENU ESC

“∧” “∨”

“ ”

DATA/ENTER

2

A1-02		3	PG
A1-00		0	
A1-01		4	
B1-01		0	
B1-02		1	
B1-03		1	
B1-04		0	
B2-01		0.1	
B2-03		0	
B2-04		1	
C1-01	1	2.5	
C1-02	1	02.5	
C2-01	S	0.7	
C2-02	S	0.5	
C2-03	S	0.7	
C2-04	S	0.7	
C5-01	ASR 1	10	
C5-02	ASR 1	0.35	
D1-01		0	
D1-02		200	
D1-03		200	
D1-04		100/50	4 /6
D1-08		1400/960	4 /6
D1-09		200	
E1-01		380	
E1-02		0	
E1-04		50	
E1-05		380	
E1-06		50	
E1-09		0	

E2-01		*	
E2-02		*	
E2-03		*	35-40%
E2-04		*	
F1-01	PG	*	
F1-02	PG	1	
F1-03		0	
F1-04		0	
F1-06		1	
F1-08		105	
F1-09		1	
F1-10		30	
F1-11		1	
H1-01	3	7	
H1-02	4	6	
H1-03	5	3	
H1-04	6	4	
H1-05	7	5	
H1-06	8	9	
H2-01	9	F	
H2-02	25	37	
H3-05	16	1F	14
H3-06	16	0	
H3-07	16	0	
L3-04		0	
L5-01		5	
L8-05		1	
L8-07		1	
O1-01		5	
O1-02		1	
O1-03		*	
O1-04		0	

3 G7A

1 A1-02=3 2 A1-03=2220 3

4 G11UD

$$= \frac{-}{\qquad\qquad} \ [Hz]$$

Er0		
Er1		
Er2		
Er3		
Er4		
Er5		Brake Feedback OFF
Er6		
Er7		
Er8		
Er9	KDY KKC KDY KKC	KDY KKC KDY KKC
Er10		
Er11		
Er12		
Er13		
Er14		
	KMC	KMC KMC
Er15	KPC	KPC KPC
Er16		PG Input Able
Er17	FU30 ON	
Er18		
Er19		V1 V4
Er20		
Er21		Over Time
Er22		

Er23		
Er24		V1 V4
Er25		
Er26		
Er28		
U		
N	5	