# Elevator

## SJT-WVF5-K

ˆ **BL2000-BKT-Vn/FR2000-BKT-Vn** ˜

Elevator Control System User Guide

ﾊﾞｰｼﾞｮﾝ SWVF6-05.2-0504

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ᅫ˘ ᅠ ᅵ ᅳ ᅳ

12 ᅜᅩᅮ 1.75 / ˘ ᅳ ج ᅥ

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SJT WVF6 BL2000-BKT ص ´ ف

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ᅜᅩ ’ ˚ ᅟ ᅲ ˘ ᅫ ᅟ ˘

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ᅜᅩ ˚ б Â ˘

б ᅳ ˘ б ˘

б Â

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ê ᅳ ᅵ Ì Â Э ˚ ᅥ ᅟ ᅡ ᅵ Â

ᅫ б ي ᅳ ˘ ᅜᅩ ᅵ ي ف Â

## 1.1.8 ㄱ a

з ㅊ ╟ Ю ㄴ : ˘ a : L Â ˘ à
à Ⅺ : з ˘ ㅅ ╟ Â

## 1.1.9 ㅀ

ㅀ ˘ Ю ㄴ : ˘ a : L Â

## 1.1.10

à ㅗ à à à ㄱ ㄴ Ⅺ Â

## 1.1.11 ╟

15ſ ˘ ㄱ ╟ Â ㅓ L ћ ҙ ㅅ ╟ Â

## 1.1.12

ㅅ ㅅ ' L ㄱ ㅀ˘ ╟ ㅎ ㎜ ˘ Â ㅊ ㄴ
ㅗ ˘ a ㅎ ㎜ ˘ Â ㅎ ㎜ ㅅ˘ ╟ ㅀ Â
ε ч '
à й 0 ˘ ㅎ ㎜ a Ạ Â
ɣ à й 1 '
1 L Â
2 Â ㅊ Â ˘ ˜ ˝ ҙ˘ ㅅ в ˘
Â ㅊ ˘ . Â
3 a ╟ ˘ в Æ Â ㅊ Æ ˘ . Â
4 ㄴ Â

## 1.1.13 ╟

ㄴ ㅊ Ш˘ ㅾ ㅊ ㅎ ㄱ ㄴ Ⅺ ˚ Ю ㅗ ㅗ
Æ ㅅ Â

## 1.1.14

ㅀ˘ ' ㅊ з ˘ a Ạ : L ˘
Ь ㅅ ╟ ㅎ ( ㄴ ) ˘ ㅎ Â ㅎ ㅀ˘ a Ạ :
ㄱ L’ 10 ㅀ˘ ╟ à ſ з ˜ ㄱ Â ˜ ㅊ ㄱ ˘ ㄴ Ю
/ ˘ . ' ╟ / ㅅ ㄴ Л ˜ ㄱ з 10 ㅀ˘ ╟
ſ Â

ㅀ ˘ a ╟ ㅎ ˘ ε б Э ㅗ Â
˘ CPU ㅊ Â ˘ . , Â

1.1.15

Ч Л Л Л ˇ Л Ո Ч Л Â È '
L Л ˇ Ч Л Л Л ˇ Л Æ Ч Л б Ы ˇ È Л :
ˇ ÿ Â Ч Л ˇ È Л ╟ ھ ^ ~ Л Л Ы ىس
Ђ Â

# 1.2

## 1.2.1 Л ¯

¯ ˇ Л Ш Æ Ч Æ ˇ Â

## 1.2.2

^ ~ ھ Ю Ў Л Ї .
Л ^ ~ Â

## 1.2.3

ˇ Â ˇ ˇ Л ˇ
Â

## 1.2.4 L

L Ю 20s ˇ й ÂЛ Л L a ˇ з L
a Â ˇ Э Â

## 1.2.5

ʒ Л ˇ ھ ھ ˇ Л Ї Â Л 5 ˇ ھ
ÿ ˇ ھ ´ Â

## 1.2.6

Л Ы ˇ Â

## 1.2.7 a

Ո Л a Â

## 1.2.8

. ھ Л Ю з ھ ≠ L ˫ ˇ ╟ Ђ Â
' Л Â

1.2.18 ╖

ў ´ ʌ X0~X21 é ╖ ˘ ў ´ ʌ Y0~Y15 é ╖ Â┘ Ո
ʌ ╖ ˘ ʌ Ь Â

## 1.3

1.3.1 ھ

ھ ˘ Â

1.3.2

ʌ˘ Â ╟˘ Â

1.3.3 ў Ы

┘ ў ھ Ы ╟ ї┘ Â ┘ ^ ű ʌ ~˜ Â

1.3.4

б ʌ Â ˘ ╟ Â

1.3.5 ┤ ʌ

ج ʌ˘ ╟ Â

1.3.6 Æ

Æ ╟ ˘ Â

1.3.7

╟ ˘ Â

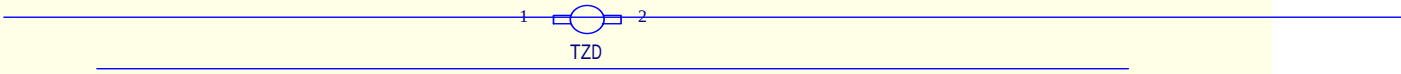
## 1.4

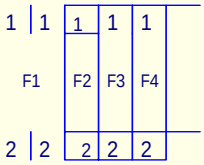
1.4.1

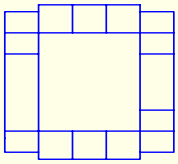
ج^ ┘ ~˜ ┘Л ج Â

1.4.2

┘ ┘ ┤ Ո Â


1
2
TZD


1
1
1
1
1
F1
F2
F3
F4
2
2
2
2
2



- L1~L30 LED' L1~L30 LED /^ ˘ L ~ '
  Y0~Y15 LED' Y0~Y15 /^ ˘ ~ ' E g Î D - Õ1 F €ÏÂq@.. N ™¼b p - p Œ E g Î ×

2-4

| ㄟ ㄇ | Æ | ㎏ |
|---|---|---|
| I18 | J6-1 | Э L 1 |
| I19 | J6-2 | Э L 2 |
| I20 | J6-3 | Э L 3 |

| ㄟ ㄇ | Æ | ㎏ |
|---|---|---|
| I21 | J6-4 | ЮL 2 |
| I22 | J6-5 | ЮL 3 |
| | | |

J7 ѝ ў ´ ㄇ I23 ㄟ˘ 24V à 5V ㄟ ㄱ ㄟ Â Ю

2-5

| ㄟ ㄇ | Æ | ㎏ |
|---|---|---|
| I23 | J7-1 | ЮL 4 |
| GND2 | J7-2 | 24V ㎜ |
| +24V1 | J7-3 | 24V ~ |
| +24V2 | J7-4 | 24V |
| +24V2IN | J7-5 | 24V |

| ㄟ ㄇ | Æ | ㎏ |
|---|---|---|
| GND3 | J7-6 | ㎜ |
| +5VIN | J7-7 | 5V |
| GND3 | J7-8 | ㎜ |
| 0H | J7-9 | CAN-H ~ |
| 0L | J7-10 | CAN-L ~ |

J8 . J9 ѝ ў ´ ㄇ Y0~Y13 ㄟ Â Ю

2-6 J8 J9

| ㄟ ㄇ | Æ | ㎏ | ㄟ ㄇ | Æ | ㎏ |
|---|---|---|---|---|---|
| **Y0** | **J8-1** | ╕ ╵ | Y6 | J9-1 | |

BL2000-BMN-V0 ´ ˘ ˘ ѝ ж ˘

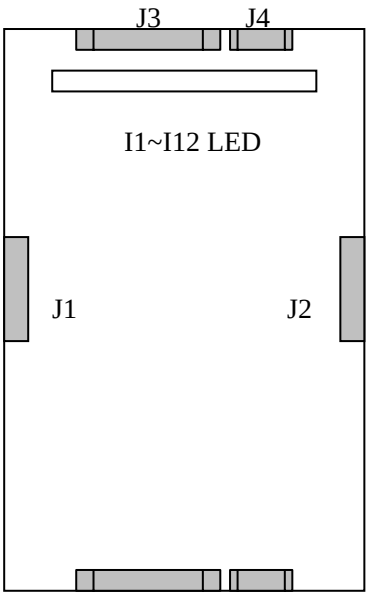
è Л' ў ^ S3 à S4 ˘ S5 à S6 ~' ' FR2000-BXB.V0 a ╖ Â

J1 à J2 ѝ Ч Â

J3 Н Ю'

J3-1' 0~10V' COM FR2000-BXB ў 0V J7-8 Â

2.1.2.3 ´ BL2000-EBA




фи 2.4 ´ BL-2000-EBA фи

è J1 à J2 ѝ Ч˘ I1~I12 LED I1~I12 Л Â

Л ¦ Ю'

J3 ѝ ´ 5~8 Л I1~I10 Ч Â Ю'

2-11

| Ч Л | Æ | Н |
|---|---|---|
| I1 | J3-1 | 5 |
| I2 | J3-2 | 6 |
| I3 | J3-3 | 7 |
| I4 | J3-4 | 8 |
| I5 | J3-5 | Э L 4 |

| Ч Л | Æ | Н |
|---|---|---|
| I6 | J3-6 | Э L 5 |
| I7 | J3-7 | Э L 6 |
| I8 | J3-8 | Э L 7 |
| I9 | J3-9 | Ю L 5 |
| I10 | J3-10 | Ю L 6 |

J4 ѝ ´ 5~8 Л I11 à I12 Ч Â Ю'

2-12

| Ч Л | Æ | Н |
|---|---|---|
| I11 | J4-1 | Ю L 7 |
| I12 | J4-2 | Ю L 8 |
| | J4-3 | |
| | J4-4 | |
| | J4-5 | |

J5 ѝ ´ 5~8 Л L1~L10 Л Â Ю

2-13

| Л Л | Æ | ЬЖ |
|---|---|---|
| L1 | J5-1 | 5 |
| L2 | J5-2 | 6 |
| L3 | J5-3 | 7 |
| L4 | J5-4 | 8 |
| L5 | J5-5 | Э L 4 |

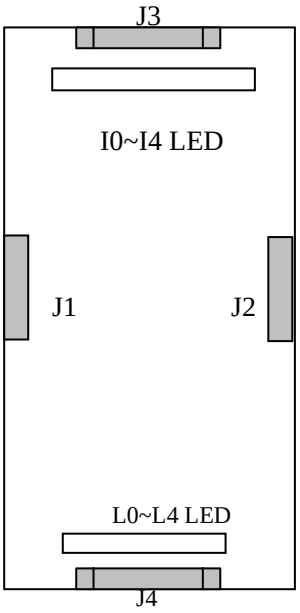
| Л Л | Æ | ЬЖ |
|---|---|---|
| L6 | J5-6 | Э L 5 |
| L7 | J5-7 | Э L 6 |
| L8 | J5-8 | Э L 7 |
| L9 | J5-9 | Ю L 5 |
| L10 | J5-10 | Ю L 6 |

J6 ѝ ´ 5~8 Л L11 à L12 Л Ч Ώ Â Ю

2-14

| Л Л | Æ | ЬЖ |
|---|---|---|
| L11 | J6-1 | Ю L 7 |
| L12 | J6-2 | Ю L 8 |
| GNDS | J6-3 | L1~L12 Ώ |
| GNDS | J6-4 | L1~L12 Ώ |
| GNDS | J6-5 | L1~L12 Ώ |

2.1.2.4 ´ BL2000-EBB




في 2.5 ´ BL-2000-EBB في

BL2000-EBB ѝ Â ѝ 1~4 ˘ ѝ ﻫج ˘ ˘

Л Â

è J1 à J2 ѝ Л˘

J3 ѝ Л˘ I0~I4 LED I0~I4 Л Ч "I '

| Л Л | Æ | ЬЖ |
|---|---|---|
| I0 | J3-1 | 2 |
| I1 | J3-2 | 2 |
| I2 | J3-3 | Æ 2 |
| I3 | J3-4 | Æ 2 |

| Л Л | Æ | ЬЖ |
|---|---|---|
| I4 | J3-5 | 2 |
| | | |
| | | |
| | | |

J4 й ч˘ L0~L4 LED L0~L4 Л( Ы) ч ˝І Â

| ч Л | Æ | Ьѫ |
|---|---|---|
| L0 | J4-1 | 2 |
| L1 | J4-2 | COM0 |
| L2 | J4-3 | 2 |
| L3 | J4-4 | COM1 |

| ч Л | Æ | Ьѫ |
|---|---|---|
| L4 | J4-5 | |
| | | |
| | | |
| | | |

л † Ю'

2.1.2.5 ч Ы' ╟ ˘ ч ў ´ Â

2.1.2.6 TC1' ч Ч Ы Â Â è й AC380V˝ й AC220V Ո AC110V ч Â

2.1.2.7 TC2' ч Ч Ы Â Â è й AC220V˝ й AC36V Â

2.1.2.8 ' ў ´ Â è й AC220V˝ й DC24V Ո DC5V ч Â

' ч ѫ˘ Ї ч ў ´ Â

2.1.29 KXX' Ы Â

2.1.2.10 F1 F4' Â F1' ˘ †

## 2.2.2 б

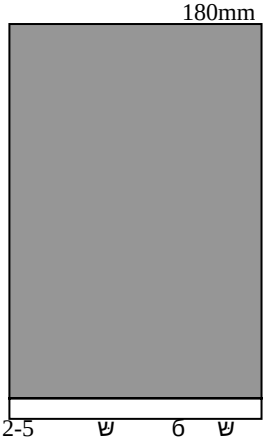
ў C1 7 ˘ è U1,V1,W1 Ь Â ˘
ﻝ˘ U1 à V1 à W1 ˘ N Â
˘ ´ ﻝ 15KW Л Э ˘ a 10mm Â ﻝ Ь U3 à V3 à W3 ╟
Ь Âﺝ ү ˘ ·ï .. Э .. .. .. .. .. ﻝ .. ﻟ .. .. .. ў ╟ ﺝ
ш б ﻝ ĭ ˘ a ╟ б ﻝ ﺝ ﻝ ˘ ĭ : Â б
ﻝ ˘ ĭ ╗ ˘ ╗ Â
Э ﻟ ﻥ Ո ﻥ è ﻫ Л ﻟ في ﻯ Â

## 2.2.3 ﻟ б

ﻟ ˚ ˘ è : Â Ю, ﻟ
ң˝ Â ﺟ ˘ ЛЮ '
(1) ﻟ˘ è ﺝ ˘ б ﻝ ˘ б
ﻟ ﻝ ˘ ĭ ﻟ ă a ˘ : ˘ ﻝ ﻣ Â Э سمثن
ﺝ ч ﻝ ˘ Л ˘ ╟ ﻝ ˘ ╟ Ո a Â
(2) ˘ ﻝ ﻟ˘ è ﺝ Э Â Y ˝ I
Â ш ˘ Л ﻟ ˝ I Â ﻝ˘ ﻟ ﺝ ˚ Ю ╟ Â
(3) ﻟ б ﻝ ﻟ ﻥ Ո ﻥ ˘ ﻣ ﻟ Â é
ﻥ
ﻫ في ĭ Â ﻟ ﺝ ˘ ╟ ´ Â
' ﻟ a б سم Â

## 2.2.4 Ш б Ш

ч Ш б Ш ( ) Â ч Ш ﺝ à Ш ﺝ ˘ è
ﻝ Æ Юفي '




في 2-5 Ш б Ш

Ш ﻝ ˝ I Â

## 2.2.5 Э à Ю

Э à Ю л ^ ≤ 1.75m/s ~ б Â è Э à Ю ج ˘
ج Â Э à Ю ج ٦ مج سم ^ ~ ¯ سم مج 2.5m̂ =1.6m/s~ ╟ Æ Â
é Æ Ю '

# Ь BX-100 Ы Ч Ч

## 3.1

Ы й à ˜ Ч Â à ˜ Ч Л Ч

à Â ε Ю'

ˆ 1˜ ' ╟ à à Л à à '

ˆ 2˜ ' Æ à à I/O Ч à à L à à '

ˆ 3˜ Ч ' ѕѕ Ч à Ч à Ч '

ˆ 4˜ ' ˜ '

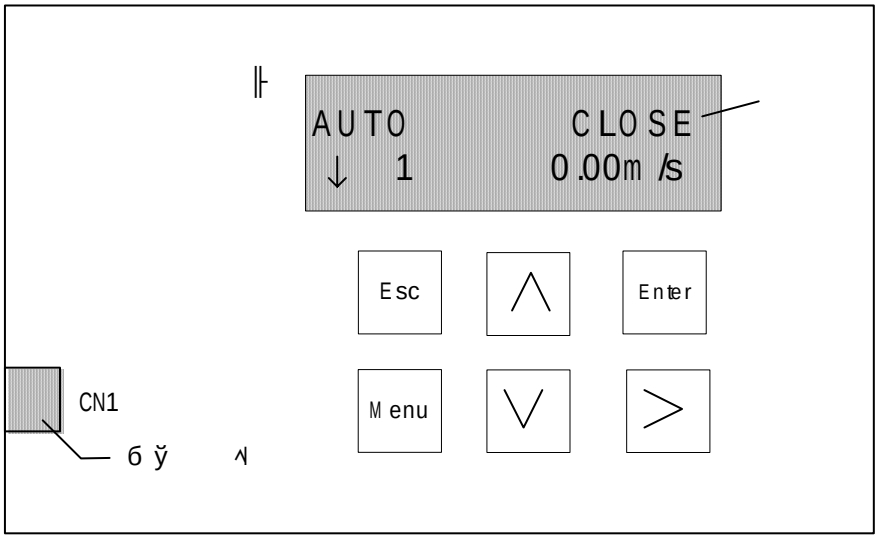
ˆ 5˜ Ч '

ˆ 6˜ Â

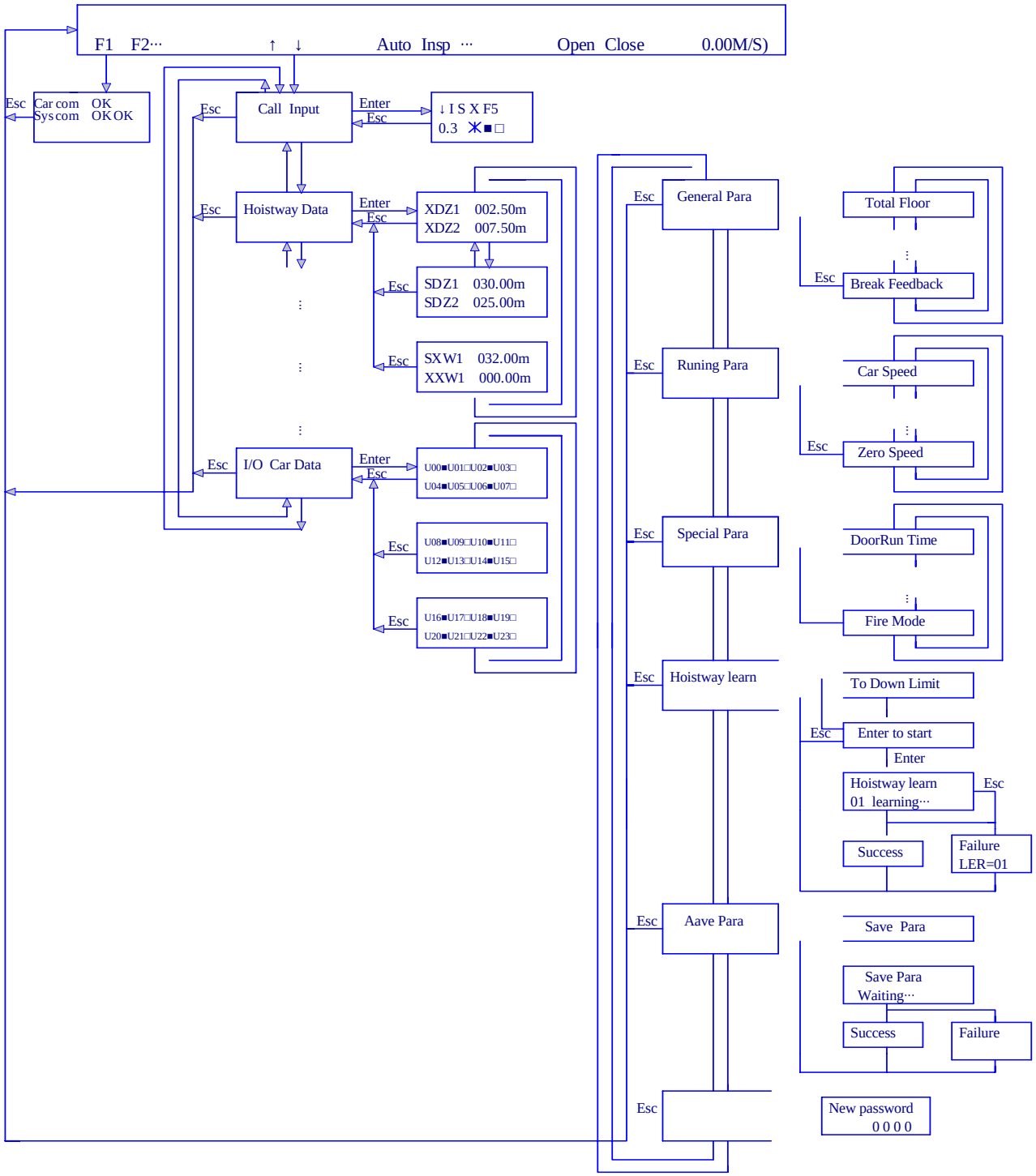
' Ы й ˚ ˘ Ώ Л à ˜ Â

## 3.2

Ы Юفي ˘ Ы Ю Ώ ˘ Ώ Ч Нж Ю'



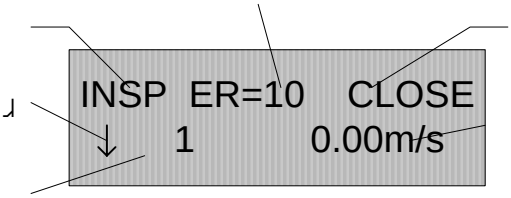
## 3.3


F1 F2··· ↑ ↓ Auto Insp ··· Open Close 0.00M/S)
Esc Car com OK
Sys com OK OK
Esc Call Input
Enter
Esc
↓ I S X F5
0.3 ✳■□
Esc Hoistway Data
Enter
Esc
XDZ1 002.50m
XDZ2 007.50m
Esc
SDZ1 030.00m
SDZ2 025.00m
Esc
SXW1 032.00m
XXW1 000.00m
Esc I/O Car Data
Enter
Esc
U00■U01□U02■U03□
U04■U05□U06■U07□
Esc
U08■U09□U10■U11□
U12■U13□U14■U15□
Esc
U16■U17□U18■U19□
U20■U21□U22■U23□
Esc General Para
Esc Runing Para
Esc Special Para
Esc Hoistway learn
Esc Aave Para
Esc
Total Floor
Esc Break Feedback
Car Speed
Esc Zero Speed
DoorRun Time
Fire Mode
To Down Limit
Esc Enter to start
Enter
Hoistway learn
01 learning···
Esc
Success
Failure
LER=01
Save Para
Save Para
Waiting···
Success
Failure
New password
0 0 0 0

## 3.3.1 ў ´

˜ Ґ Learning…… Ь Ґ ‰ ^ Waiting……˜ ˇ Ґ Menu Ь Л ˚ Â

à Л à à à à Â




- ' Ґ INSP Ь ˇ Ґ MANU Ь Л ˇ Ґ AUTO Ь ╟˜ Ґ FIRE Ь ˇ Ґ STOP Ь ˇ Ґ USED Ь ж Â
- ' Ґ ER=# Л˜ Ь a ^ ˜ Â
- ' Ґ CLOSE Ь ˇ Ґ OPEN Ь Â
- ' ^ ˜ Â

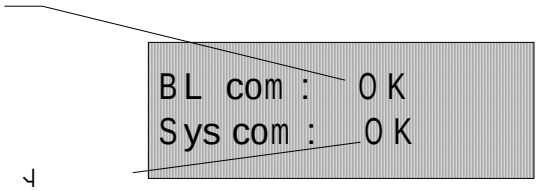
**ж Л '**

— ˇ Л ´ 3.4.2ˆ 13˜ '

— й 1 ˇ у й 2 ˇ Ь й 3 …… Â

## 3.3.2

ж ў ´ Ю Ґ > Ь '




Л

- BL com'
  - Ґ OK Ь — '
  - Ґ ER Ь — ˇ й Â
- Sys com'
  - Ґ OK Ь — ў Л '
  - Ґ ET Ь — Л ˇ й Л Â

## 3.3.3

à Ч ˇ ˇ Л Л Ч ´ ˇ ´ 3.3.4 ^ a˜ Â ´ 3.3.4ˆ b˜ ´ ˇ ¤ Â ^ ¤ Ґ 0000 Ь˜ Ґ ¤ ^ ¤ Ґ 1010 Ь˜ Ъ Л ж Ґ Ь ´ ^ Ч 3.3.7˜ Â

**ð Ô**

1˜ ж Ґ ў ´ Ь Ю˜ Ґ Enter Ь ' a ж Ґ ў ´ Ь Л Ґ Menu Ь ы Ґ ў ´ Ь Л Ґ Enter Ь Â

| Input Password 0000 Enter |
|---|
| |

2˜ ﻝ˘ ﺍ ş ﺒﺍ Š ﺒ ﻝ ˝ﺍ Æ˘ ﺍ > ﺒ Æ Â ﺍ Enter ﺒ
ﺳﺳ ﻉ ´ Â

| General para<br>Enter |
| --- |
| ﺳﺳ ﻉ |

3˜ a '

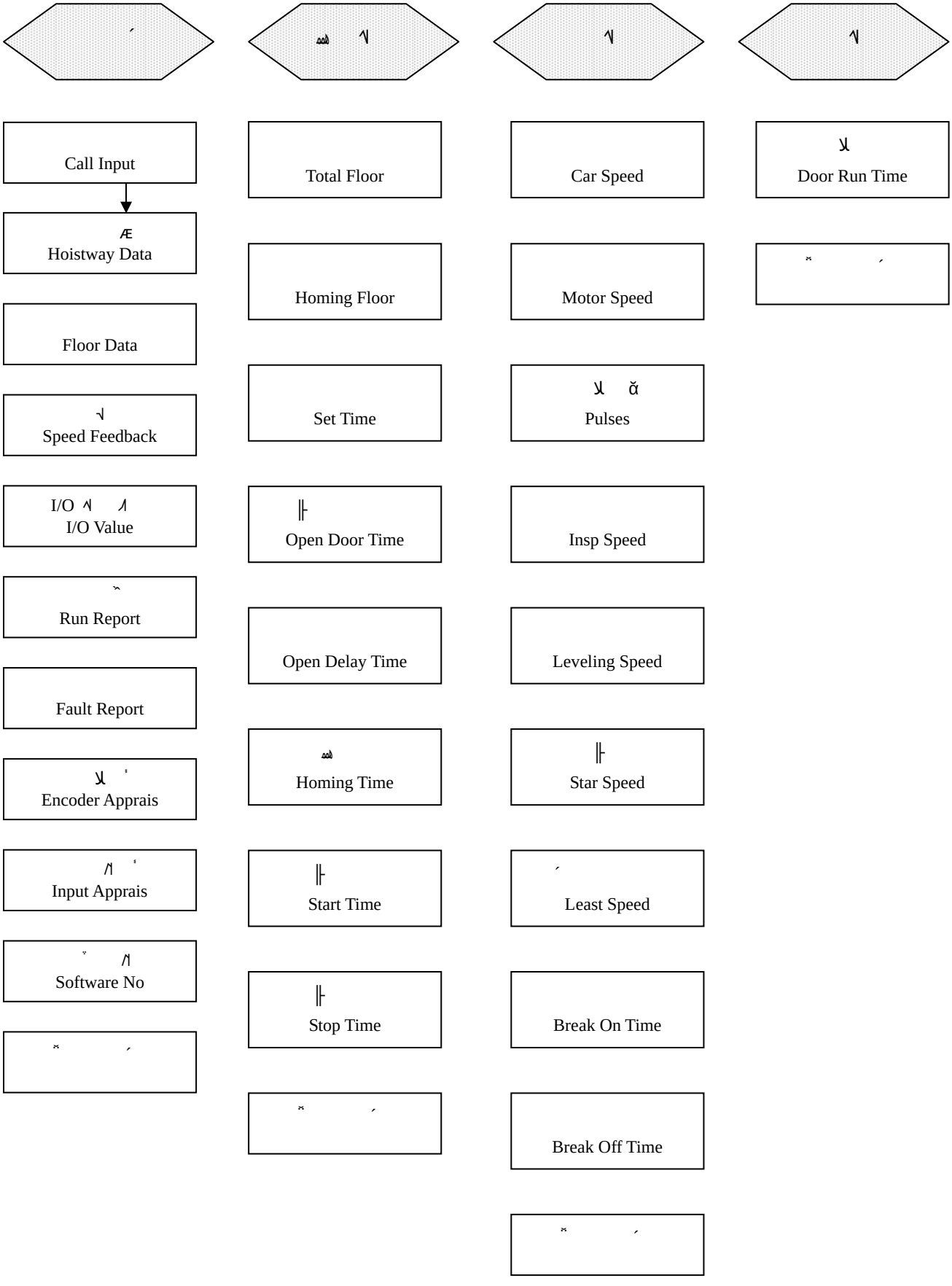
| Password error<br>Enter |
| --- |
| |

4˜ ﺍ Enter ﺒ ﻫ 1 ˘ ﺍ Enter ﺒ 2 Â

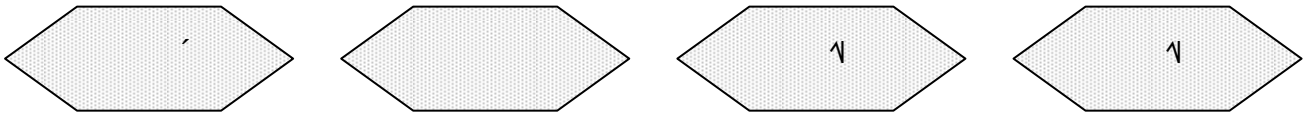
## 3.3.4 ´ ﻉ ﻉ ´

´ ﻉ ﺳﺳ ﻉ à ﻉ à ﻉ ﺳﺳ Â ﺟﻫ ˘ a ﻝ a ﻝ
Э ´ ﺇ ﻯ ﺍ ﺒàﺍ˜ ﺒ ﺇ Ю ﻓﻲ è '

a)


Call Input
Hoistway Data
Floor Data
Speed Feedback
I/O Value
Run Report
Fault Report
Encoder Apprais
Input Apprais
Software No
Total Floor
Homing Floor
Set Time
Open Door Time
Open Delay Time
Homing Time
Start Time
Stop Time
Car Speed
Motor Speed
Pulses
Insp Speed
Leveling Speed
Star Speed
Least Speed
Break On Time
Break Off Time
Door Run Time

b~ ¨ ´



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ˆ 1˜ ´ ' ﻯ Ъu ʒ ˘ è ЮЛ й ﻯ ﻯ Â

3-1

| ´ | | | | |
|---|---|---|---|---|
| ﻯ | | | | ﻯ |
| 1 | | Call Input | ﻯ ʒ à ЭЮ L ﻯ Л ч | |
| 2 | Æ | Hoistway Data | ЭЮ Æ à Æ | |
| 3 | | Floor Data | ﻯ Æ ч ї | |
| 4 | ﻯ | Speed Feedback | ˆ rpm˜ ч ˆ m/s˜˜ | |
| 5 | I/O ﻯ ﻯ | I/O Value | I/O ﻯ ˉ ﻯ˘ ү й I/O | |
| 6 | ˜ | Run Report | à | |
| 7 | | Fault Report | ˜ ° | |
| 8 | ﻝ ' | Encoder Apprais | ' ﻝ / ă | |
| 9 | ﻯ ' | Input Apprais | ч ˉ | |
| 10 | ˘ ﻯ | Software No | ˘ ﻯ | |
| | | ˜ ´ | | |
| 11 | ﻯˆ ˜ | I/O Input | ﻯ Æ | |
| 12 | ﻯˆ ˜ | I/O Output | ﻯ Æ | |
| 13 | ˥ ﻯ | I/O Car Data | / ﻯ | |

ˆ 2˜ ﻣ ﻯ '

3-2

| ´ | | | | | | |
|---|---|---|---|---|---|---|
| ﻯ | | | ˜ | تن | | ﻯ |
| 1 | | Total Floor | —— | 1-12 | ˆ б Ш ˜ | |
| 2 | | Homing Floor | 1* | 1- | L ﻫ | |
| 3 | | Set Time | —— | | à | |
| 4 | ╟ | Open Door Time | 3s* | 0-599s | ╟ Ю ﻯ | |
| 5 | | Open Delay Time | 30s* | 0-599s | ╟ Ю ˆ ﻯ ﺟ Yes ˜ | |
| 6 | ﻣ | Homing Time | 60s* | 0-599s | L ﻫ | |
| 7 | ╟ | Start Time | 00' 00* | | ˆ ON˜ Â | |
| 8 | ╟ | Stop Time | 00' 00* | | ˆ ON˜ Â | |
| | | | ˜ ´ | | | |
| 9 | | Fire Floor | 1* | 1— | ﻫ | |
| 10 | | Parking Floor | 1* | 1— | ﻫ | |
| 11 | ﻯ | Input Type | ON | | æ ˆ ON˜ ˘ ˆ OFF˜˜ˆ ' ЭЮ Æ | |

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4096 6kHz~25kHz

512 Â

*3.14*

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## 3.3.5

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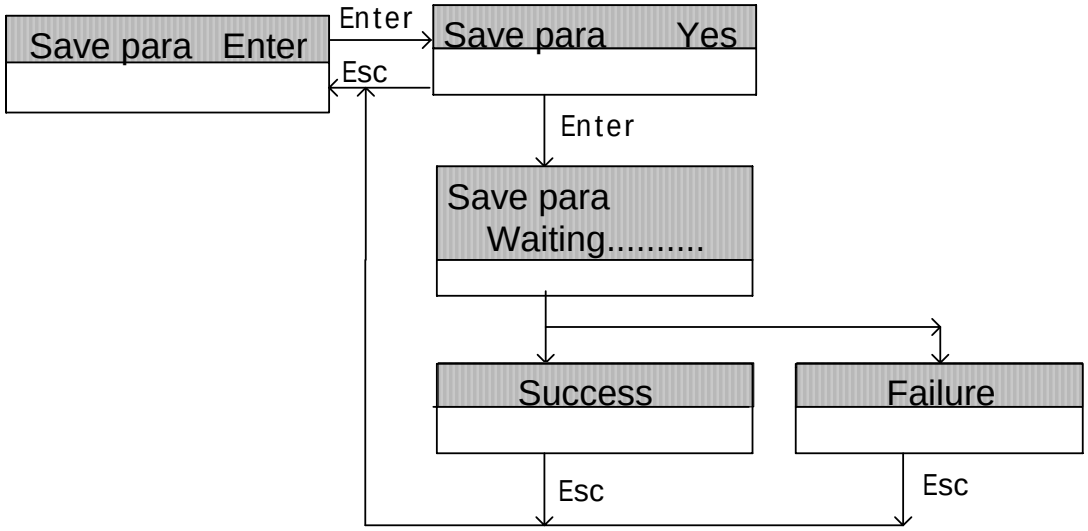
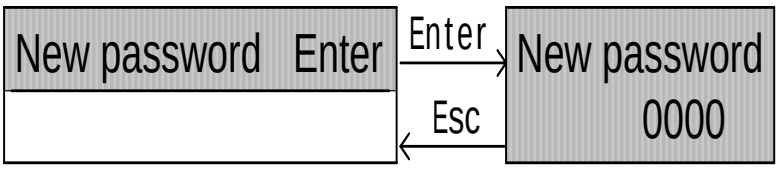



ч ´ ^ ч 3.3 ў ي˜ л˘ Ґ Yes Ё Ґ Enter Ь ˘ ╠ ч Â ч
Ґ ˘ Ґ Success Ё Ї Ґ Failure Ь ч б˜ Â
^ ' ┘ ч л . Â ч л ˘ л˘ ч Ы Ã

### 3.3.7

ج ´ Ю˘ ┘ Л Ъ ˘ ≠ ┘ Л Ъ ˜ '
➢ ' ج ^ 3.3.4˜ ˘ Ї Ą ´ ˘ '
➢ ˜ ' ج ^ 3.3.4˜ ˜ ˘ Ї Ą ´ ˘ ˜ Â




## 3.4

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Ґ 0000 Ё ˜ ѝ Ґ 1010 ЬÂ
' 1 à ┘ Ю Enter Enter ┘ '
2 à ч ˝ І a ч ˘ Enter ˝ І л ş à Š ˘ >
┘ ˝ І Â
ж л ' — '
— ѝ 1 ˘ ү ѝ 2 ˘ Ь ѝ 3 .....Â

### 3.4.1 ´ ┤

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´ л ´ Ю˘
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à Э L à Ю L ˘ з Л Ц ҷ ^ ~ Â

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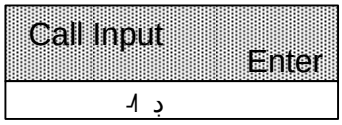


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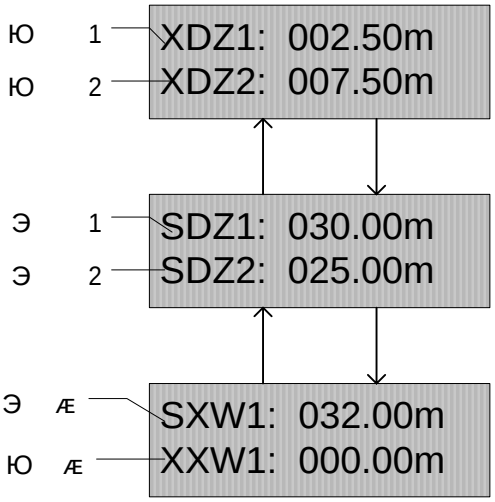


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4˜ Esc ‹ Æ ў Â

Ґ ş Ł à Ґ Š Ł ЭЮ ˘ Ю a Ґ Â

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б Æ ˘ ‹ ˜ Л ˘ ╟ Æ ' Ш Ш

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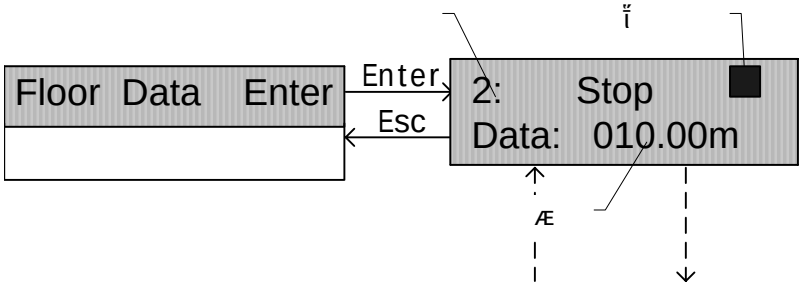
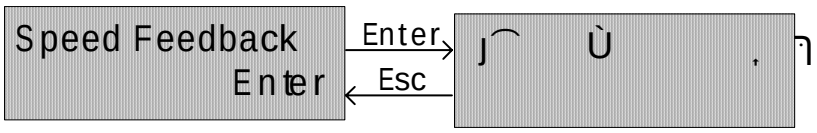
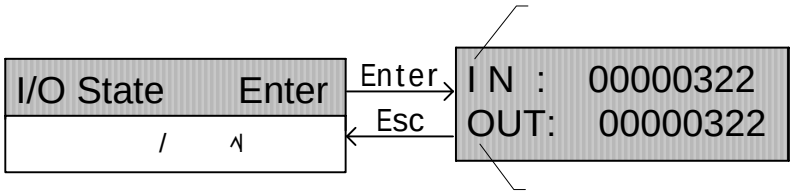



ˆ 4˜ ы

ˆ m/s˜ Ո (rpm) Â






```
        '      '  IN=00000322,  OUT=00000322
          Y    '  IN=101000010, OUT=101000010
X0  X1  X2  X3  X4  X5  X6   X7  X8  X9  X10 X11
0   1   0   0   0   0   1    0   1   0   0   0
X12 X13 X14 X15 X16 X17 X18  X19 X20 X21 X22 X23
0   0   0   0   0   0   0    0   0   0   0   0
Y0  Y1  Y2  Y3  Y4  Y5  Y6   Y7  Y8  Y9  Y10 Y11
0   1   0   0   0   0   1    0   1   0   0   0
Y12 Y13 Y14 Y15
0   0   0   0
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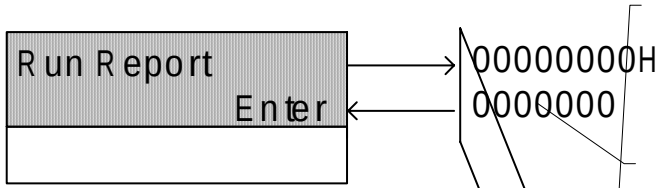


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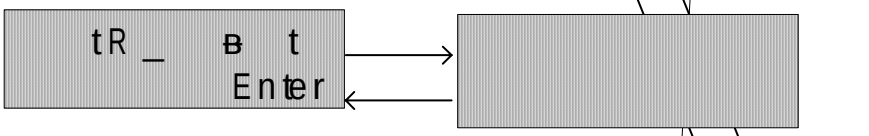
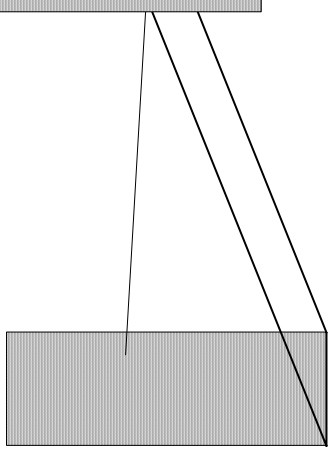
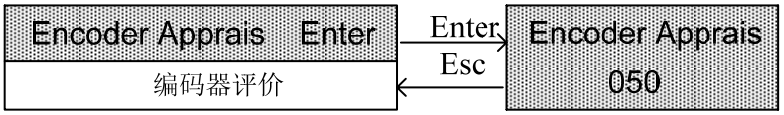


˙ 30˙

ˆ 7˜


Encoder Apprais Enter
编码器评价
Enter
Esc
Encoder Apprais
050

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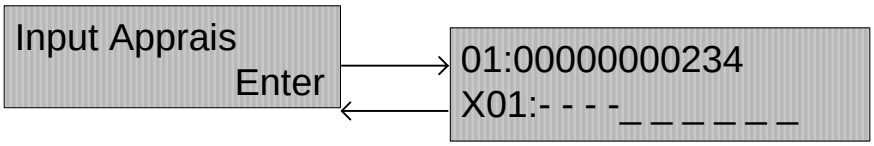
ˆ 9˜ ﻤ ‘


Input Apprais
Enter
01:00000000234
X01:- - - -_ _ _ _ _ _

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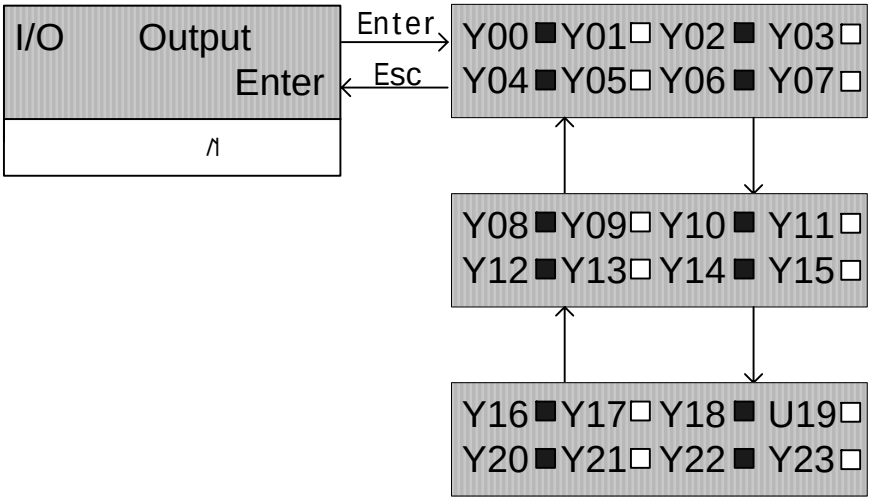


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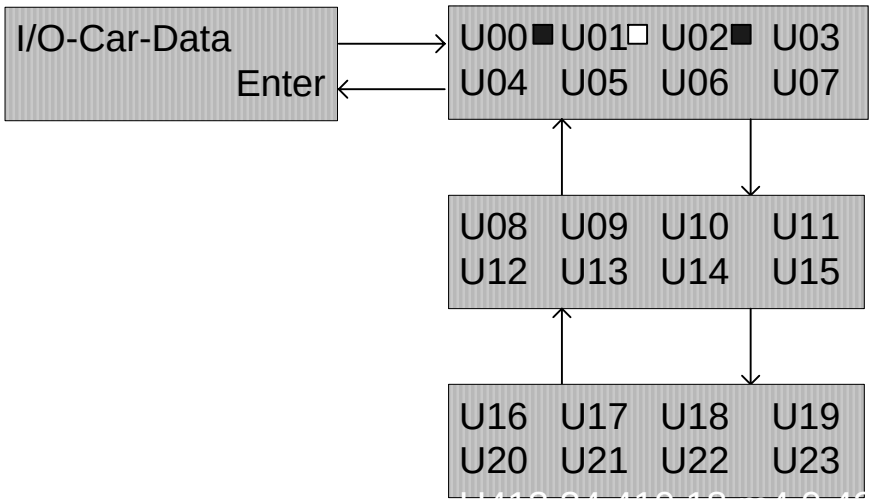
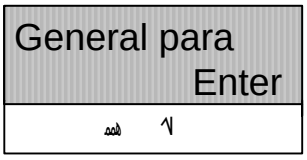


➢ Ґ dz Ь й Ґ 1 Ь л '
➢ Ґ Ґ Ь й Ґ 0 Ь л '
' Ґ 0 ЬҐ 1 Ь б Ґ ч Ь 3.4.2 11˜˜ Â

## 3.4.2 ѫ ч ч

ð Ô
1˜ ж Ґ ў ´ Ь Ю Ґ Enter Ь Ґ Ь ´ ^ ч 3.3.3˜'
2˜ Л˜ Ґ ѫ ч Ь ў '




3˜ Ґ Enter Ь ѫ ч ^ ˜'

^ 1˜

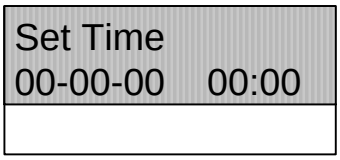
˘ ىت 1~12 Â

ð Ô
1˜ Ґ Enter Ь Ы Ю ˘ Ы '
2˜ Ґ Enter Ь ℸ ˘ ˘ ^ Ы ˜'
3˜ Л˜ Ґ Esc Ь Ы ˘ Ы Â

' ŵ б ш '
Ŷ ч Л˜ ч Â ч 3.3.6˜

^ 2˜ ^ ѫ ˜

➢ Ь Ո ^ ѫ ˜ ى ˘ Ы Э'
➢ ч ´ ! ز x ‘




ˆ 4˜ ╟

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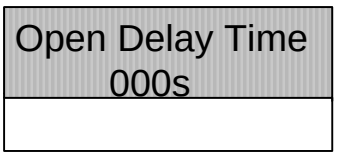
,

➢ ﻝ ﻱ '
· ﻝ ﻉ L ˘ ,
· ﻉ ﻝ L ˘ ﺟ ﻫ Э 2s'
➢ ´ Æ' s ˜' ﺗ 0~599s Â

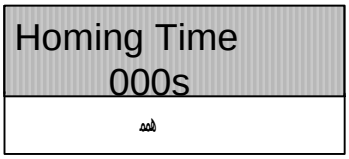
ˆ 5˜

➢ ' ﺟ ╟ Ю ╟ ˆ ~ ﻝ˜ ╟ ,
➢ ╖ ﻝ ﺟ ˆ ﻝ 3.4.2 15˜˜ й Ґ Yes Ł ˘ ,
➢ Л s ˜ й ´ Æ' ﺗ 0~599s Â




ˆ 6˜ ﻫ

➢ L Ո ˆ . Ł ~ ˘ ╟ ﻯ Â
➢ ´ Æ' s ˜' ﺗ' 0~599s Â

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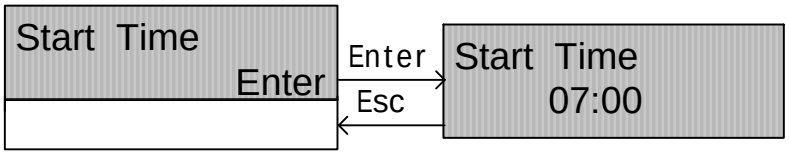
➢ й 24 ˘ XX˜ ˜' XX




ˆ 8˜ ╟

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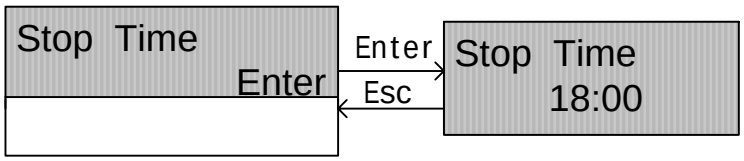


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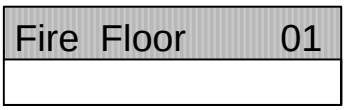
ˆ 9˜

Л˘ à L Л ˆ Ч 1.1.12˜ Â




ˆ 10˜

˘ Л ˆ Ч 1.1.14˜ Â

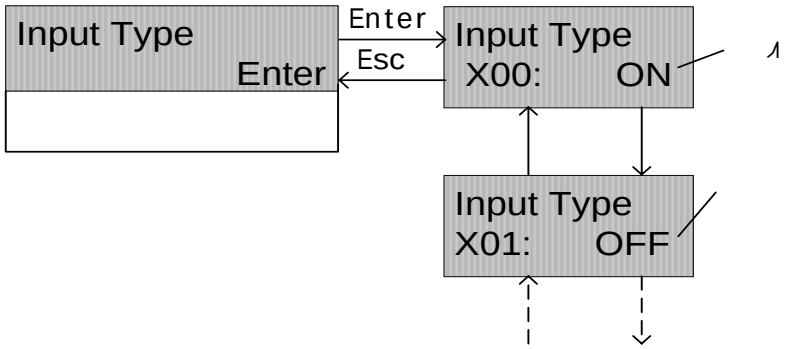
ˆ 11˜ Ч

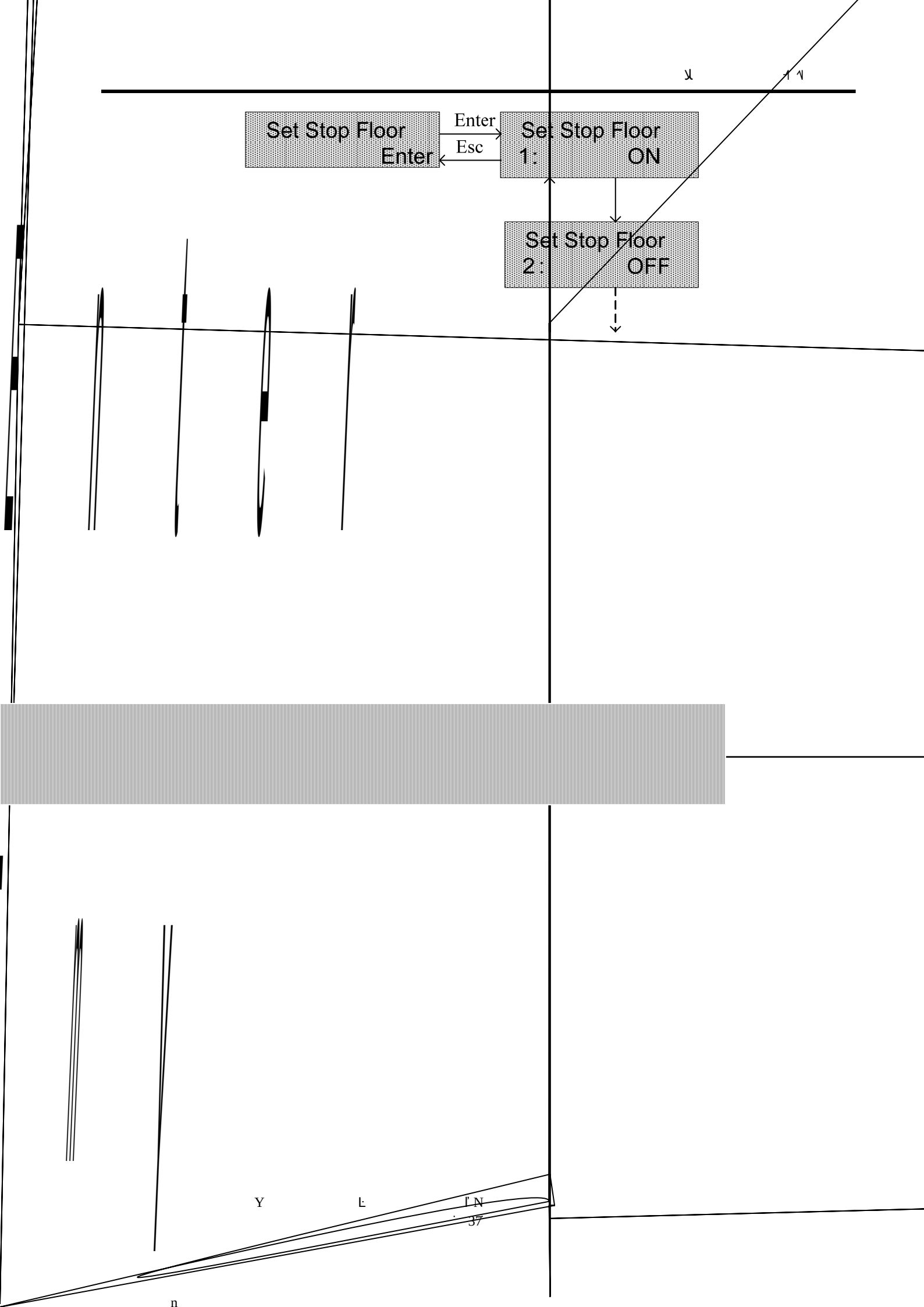
- Ї Ь ˘ ѝ Ї ON Ь
- Ї Ь ˘ ѝ Ї OFF ЬÂ = ˜
- è ˘ X0 X21 ѝ Ч Ч Л˘ Ъ Ч ˆ Ч 2.1.2˜'
- è ´ Л Ч Ю '

3-6

| Л | Ч Л | Ч Æ | Ня |
|---|---|---|---|
| X22 | X22˝ X23 | J14-2˝ J14-4 | |
| X23 | X24˝ X25 | J14-8˝ J14-10 | |

U04-U07 I1˘ I2˝ (I2˝ I3) J4-4˘ J4-5˘ ˆ J3-3˘

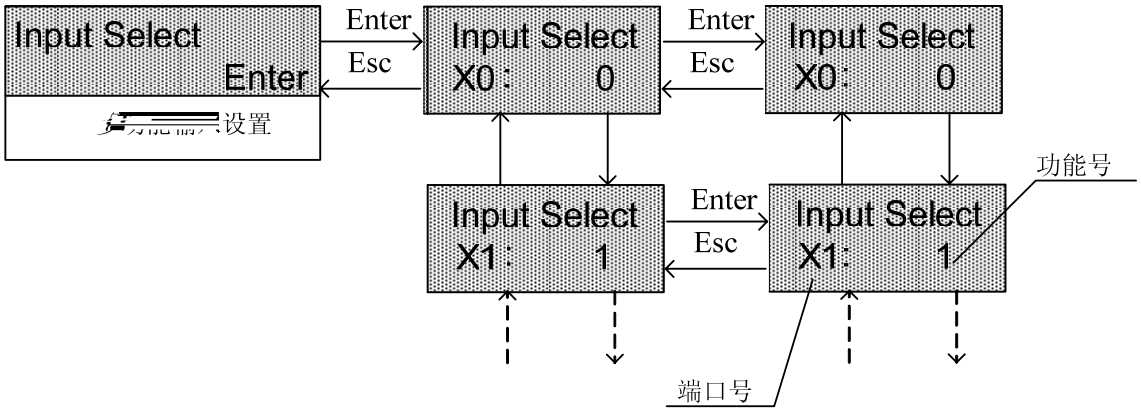

Input Type
Enter
Enter
Esc
Input Type
X00: ON
Input Type
X01: OFF


Set Stop Floor
Enter
Enter
Esc
Set Stop Floor
1: ON
Set Stop Floor
2: OFF

' 6 ﻧ ˇ ﻧ ˇ ﻫ 7 à ﻧ ╠ Â
Ю'

' ﻳ' ╠ Ь ﻧ б ﻳ' Ь 3.4.ﻧ 5˜˜ ﻧ '

ˆ 18˜ ╖
é ╖ ╖ ﻧˇ ﻧ╖ ﻣˆ Юفي˜˜ ﻝ ╖ ﻣˇ ﻧ
ЮÂ




3-7 ╖

| ╖ ﻣ | Ъ Ю |
|---|---|
| 0 | |
| 1 | Э |
| 2 | Ю |
| 3 | Э 2 |
| 4 | Ю 2 |

| ╖ ﻣ | Ъ Ю |
|---|---|
| 11 | ﻝ ﻧ |
| 12 | |
| 13 | 1 |
| 14 | 1 |
| 15 | ў |

- ч ╖ ╱ a ┘ '
- ╖ ˘ ч ╖ ╱ ◆ˆ è ч´ ˜˜ ˘

' '

ч X1 ѝ Ґ 1 Ё Э ˜˜ Ѧ X0 ѝ Ґ 1 Ё Ґ Enter Ь ˆ ˜ Л˘ Ґ X1 already set 1 Ё ч X0 ╖ ╱ Ы ' **ЛЎ** **X0 ѝ Ґ 1 Ё** **X1 ѝ è ѝ´ ╖ ╱ ѝ Ґ 21 Ё** **˜ Â**

- a ч Â

ˆ 19˜ ╖

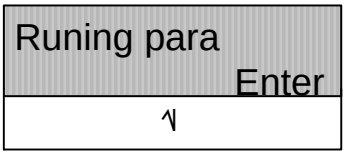
и 1 а 2 а 3 а 4 ˘ Ю

3-9

| | ч л | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8 | L9 |
| 1 а 2 а 4 | Bit0 | Bit1 | Bit2 | Bit3 | Bit4 | Bit5 | Bit6 | | л |
| 3 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | л |

### 3.4.3 ч ч

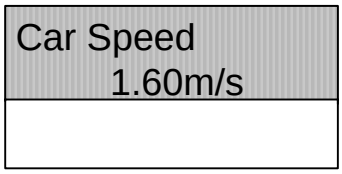
б ч Â




Ґ Enter Ь ч '

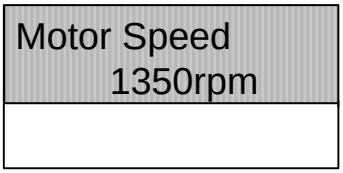
ˆ 1˜

- ➢ ж Ю ˘ '
- ➢ ┘ ч '
- ➢ ≠ ┘ ˘ Ո Â




ˆ 2˜

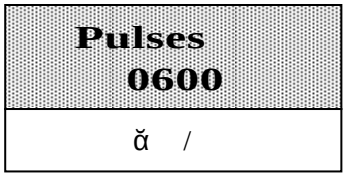
˘ ч Â




ˆ 3˜ Ы ă

- ➢ Ы ă ă / ˘ Ы л ˘ Ы ˘ ї

  Лџ л Â( : и 25kHZ)
- ➢ ж Ю ă л ( ă / ) a 6kHZ ї : Â




à ч Ы ă ā ї Ь ч ˘ Ь ч è ┘

˜ Â

' Ґ a ┘ ┘ Э ч !!!

ˆ 4˜

Insp Speed 0.30m

ˆ 5˜

جھ ш ˘ ھى ˘ ﻝ ﻝ ﻝ˜ ﻝ ˆ ш˜ Â ﻝ

˘ تن 0.01 0.5m/s 0 0 9.031 310.68 52.4003 Tmfc> Tf 9.031 0 0 9.031 92.22 766.4003 Tmfc>

ˆ 6˜ ╟

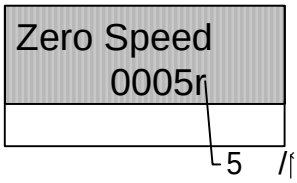
ˆ 7˜ ´

جھ 1.5m/s ᒪᔑ ˘ ´ / é a ﻝ Â´ ᾱ

ˆ 11˜ b2

ˆ 16˜

˘ ѝ ѝ ˘ Ю ѓ Â




ˆ 17˜

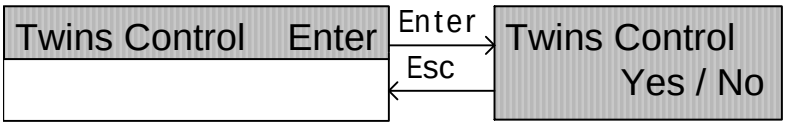
Э ѣ Ю Ѕ а ѯ ѕ Æ ˘ ч ˆ Э ѣ Юæ ˘ ч ˜ Â ѝ

`ˆ ѝ

- Ї Ş Ь Ї Ї Yes Ь Ї Enter Ь Л˘ ї Л ^ 3.3.4c Ї * Ь Л ~ ¨ ’
- Л ˘ Л ╖ Â

^ 3˜

- Ч Л ˘ Л й Ї Yes Ь
- Yes' ’ No' ´ Â




^ 4˜

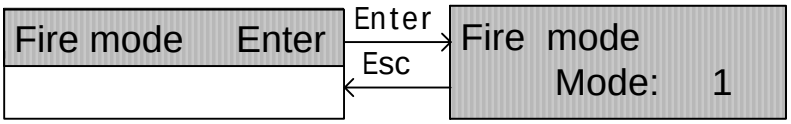
'

3 3 ˘ 1 à 3 Ч ˘ 2 Ч Л ˘ й 1'

- n=2' 2˝ ^ ~ ч Ы Ч ╠ ( ˉ ) Ў ЛЮ '
  · ћ ˘ Л Ч à ˘ з Ч Л Л˘ Ä
  Л à '
  · ћ ˘ ˘ Л Ґ Æ Ь ˘ Л '
  · ћ Ю˝ ї˘ ˘ ч Ы Ч Лъ ˘ a Л '
- n=3˝ 4' 3 à 4˝ ^ ~ ч Ы Ч ╠ ( ˉ ) Ў ЛЮ
  '
  · ћ ˘ ч Л / Â
- n=5' 5˝ ^ ~ ч Ы Ч ╠ ( ˉ ) Ў ЛЮ '
  · ћ ˘ ęц ҳ ˘ ч ˘ ї˘ Ч L ˘ à Ч
  L Ы Â
- ћ 2~5 Ю˝ Ґ Л a Л L Ґ ˘ N ˘ Lˆ ~ 1 ~
  N 1 ~ N ˘ Lˆ ~ N+1 ~ N+N 1 ~ N Л '
- ћ 1~5 Ю ћ ╗ ╖ BL2000-EBB й Л ҳ à Æ à
  ˘ ҳ ' ў Y2 à Y3 Â

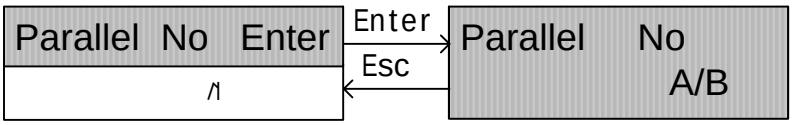
^ 6˜

й 0 ˘ Ч Ч ш ╖ Â
1 ї ف ˘ ї Л a Л



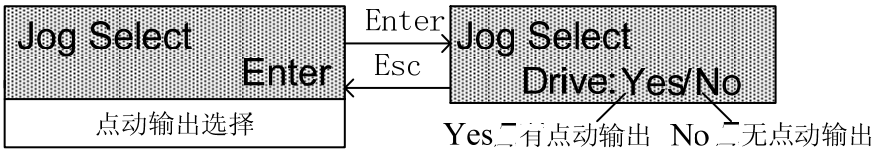

^ 7˜ Л

ћ Yes ˘ Л A B˝ Ч 1.1.15˜ Â Ю '



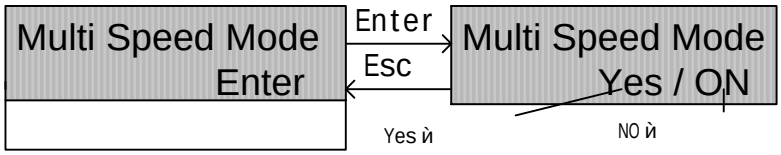

^ 8˜ ╠ ^ Л ~

- Л Ы ╠ ╖ ˘ Л ╖ '
- й Ґ Yes Ь ╠ , й Ґ No Ь ╠ '
- Ч ћ ˘ ╖ ╠ '

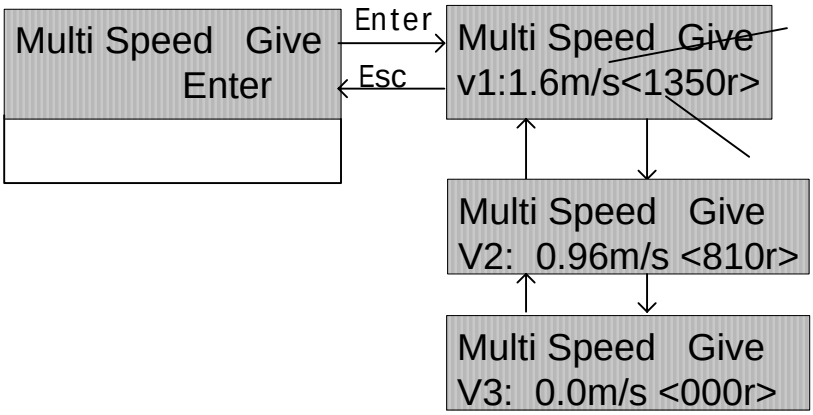



ˆ 9˜

ｶ ˇ ｲ ﾙ Yesˇ ﾙ Noˇ ˝ ﾙ YesÂ

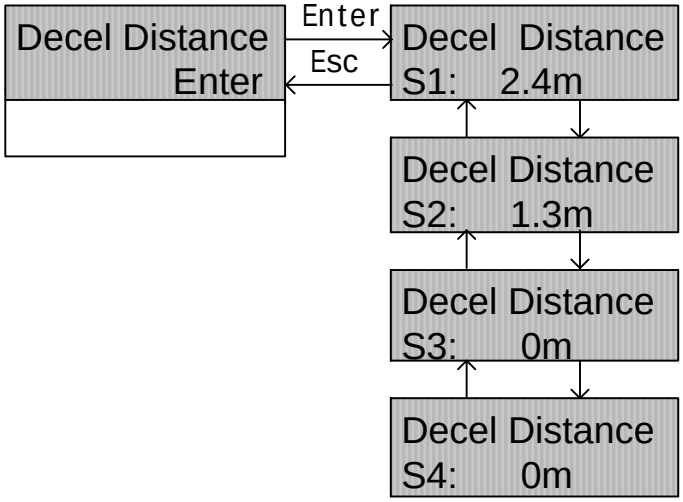



ˆ 10˜



| | | | | |
|---|---|---|---|---|
| V2/S2 | 0 | 0 | 1.0m/s | 1.3m |
| V3/S3 | 0 | 0 | 0 | 0 |
| V4/S4 | 0 | 0 | 0 | 0 |

➢ 3-10 Ч Ч Â

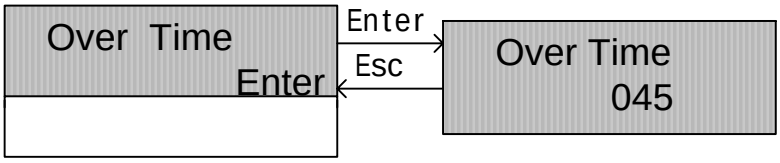



ˆ 12˜

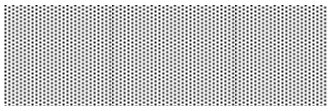
➢ й Ђ´ ~ ˘ ÿ ╟ ╕Ѡ
Â Ч . й ’

➢ ´ ˘ . ˘ з Ч Э ˘ ’

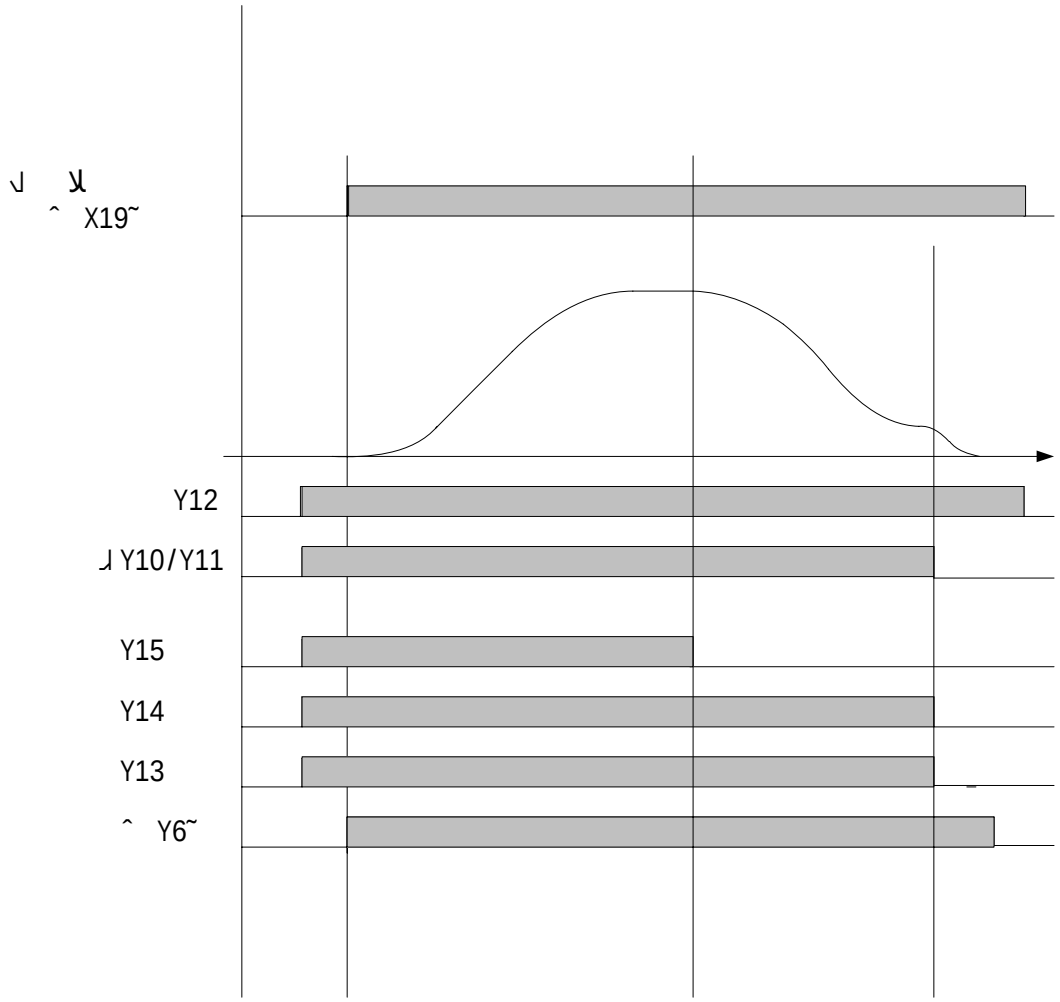
➢ Ч ˘ è й 45 Â




ˆ 13˜ ╖



ㅠ ㅓ ㅠ




2 à ээ Ы ' ^ Ы ий 404-03 ЛЪ Э Й ~

Ы FU22 ий ON ээ ЬЖ ий Л Л˘ ээ a ы Ы

Ы BL2000-EBB' ^ Ы ЛЪЮ ЬЖ ˘ ї ы Ы

BL2000-EBB˘ FU22 ий OFF˘

Ы FU22 ий ON ї ЬЖ Й '

FU22 ий OFF

| | | |
|---|---|---|
| ы Л | Æ | ЬЖ |
| X3 | J2-4 | Э 2 |

FU22 ий ON

| | | |
|---|---|---|
| ы Л | Æ | ЬЖ |
| X3 | J2-4 | Æ 2 E |

# ني б

## 4.1

Л˘ ǂ Â ЛЪЮ Â

ˆ 1˜ Ո Ы ھي˘ л ǂ ǐǐ Â

ˆ 2˜ ǂ Ո ǂ ǐǐ Â a л Ч ھى à سم ﻯ ∞ Â

ˆ 3˜ б ǐǐ , Э л л Ы

ˆ 4˜ Ы б л Ы ǐǐ ˘ ǐǐ л ˘ Ы б л Â

ˆ 5˜ à ╟ à ٦ سم à˜ سم ǐǐ л سم˘ Â

ˆ : б ╟ سم˜

ˆ 6˜ ﺝ Æ Â

ˆ 7˜ ON Æ Â

## 4.2

### 4.2.1 Э Ю

ˆ 1˜ Э Ƙ Â

ˆ 2˜ “ ”Æ ˘ Ю Â

ˆ 3˜ ٩ ٦ “ ”Æ Â

ˆ 4˜ L Â 2.2.5(4)˜

ˆ 5˜ ﻉ Ч' Ь Ч ﻯ 380±7%VAC˘ 15VAC Â б N

Ч ﻯ 220±7%VAC Â

ˆ 6˜ ٩ л Â

### 4.2.2 Э л

ˆ 1˜ л Э ˘ Ы KXX ˘ Æ Â ǐ ˘ ˘ ч

Æ Â Э Â

ˆ 2˜ л Ч Ы TC1 л Ч˘ è ﺝ л ±7% تن ˘ تن˘ Ы ﻱ Â

ˆ 3˜ Э ˘ Ю '

л Э F2 100-101 Ч ﻯ 110±7%VAC

103-102 Ч ﻯ 110±7%VDC

л Э F3 200-201 Ч ﻯ 220±7%VAC

л Ч Ю'

4-1

| | L-N | 5V-G | 24V-G |
|---|---|---|---|
| Ч | 220±7%VAC | 5.0±0.1VDC | 24.0±0.3VDC |

ˆ 4˜ Æ Л˘ Ы KJT à Ы KMC Ű Л˘ Л Ы Â

ˆ 5˜ Э Л˘ Ю '

ŵ ى Ĭ Â

Ŷ Ш Л à Э à Ю Æ Л Ĭ Â

ŷ Ĭ ' Ч ╟ Ы и ˘ ON˘ Э

“INSP”˘ OFF “STOP” Â

Ÿ Ĭ ˘ a Â

## 4.3

5˜ ˆ Car Speed˜

˘ à Ո '

$$= \frac{* \quad *3.14*}{60*1000*}$$

6˜ ˆ Motor Speed˜

ч Â

7˜ Ы ă ˆ Pulses˜

➢ Ы Л ˘ л Ы ă '

➢ Ы Л ˛ ˘ ѫ ˛ Л ă Â

8˜ ˆ Multi Speed Give˜

➢ ≤ 1m/s ˘ V1 '

➢ 1m/s ˘ V1˜ V2ˆ V2¸ V1˜ ч ˘ a

л ˘ Ո Â

9˜ ˆ Decel Distance˜

8˜ ˘ 3-10 Â

## 4.3.2 л Ы ч

ج ˘ л Ы ч Â ε ч II à IIГ è ч

л Ы ╟ ˝ ╖ Â ч ˝ ч л Ы ¨Ạ Â

# 4.4

## 4.4.1

ˆ 1˜ ج ЛЬЮ Y '

ŵ “ ”Æ ˘ ч ˥ “ ”Æ Â

Ŷ ھ à ھ ˘ ˛ a л Â Ы Ո Â

ŷ Э Л KJT à KMB Ы˘ KMC Ы Ű Л˘ л Ы Э Л ч ĭ ˘

Ы “INSP” Â

Ÿ б Â

ˆ 2˜

˚ Л˘ Э ˆ Ю˜ ˘ Лъ Э ˆ Ю˜ Â

л Ы ч б ˩ Â Э ˩ й ˘ Ю ˩ й Â

ŵ Ю Э Ю˜ ˘ л Ы ч a ˘ б ˘ Л Ы A à

B ˘ Э Â

Ŷ ˩ б ч˘ ج Л л Ы ч ˘ ˩ Ы

A à B ˘ Э Â

ŷ ˩ ч ч ˘ ч “Er04 ˩ ˜ ” ˘ ў Э Ы

A à B ˘ Э Â

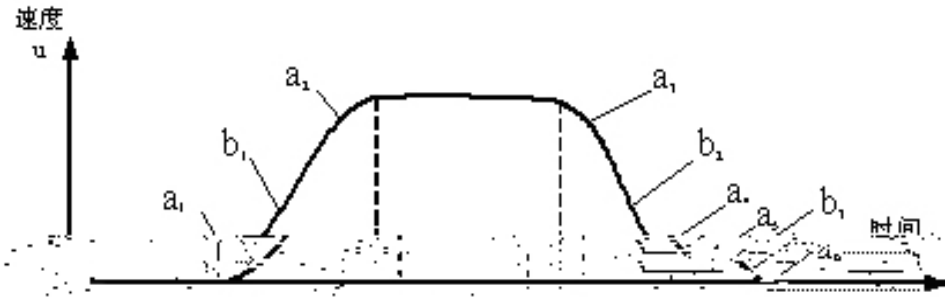
4.4.2 ┤ ┐

˘ ┘ ┤ ┐ Â ┐ Э à Ю ┘ б ┘ √˘
┘ ˘ a Ё ╟ Â

## 4.5

˗ Л υ ˗ ∕ Æ ┤ ∕ Æ ˘ Æ
à ╟ ▃ ┤ Â ◌ ˘ ˘ ″I ˗ ' Ю
ˆ 1˜ ∕ ˚ Â
ˆ 2 Nj Ǯ

I ´ في 4 1 ي ˘ في $a_1$ $a_6$˘ $b_1$ $b_3$ ي ل ل S ص ٧ Â




في 4-1 في

╠ S Ю Ь ٧

$a_1$' ╠ ╗ ¨ ¨ ˘ $b_1$' ╠ ╗ ˘ $a_2$' ╠ ╗ ¨ ¨ Â

╠ S Ю Ь ٧

$a_3$' ╠ ¨ ¨ ¨ ˘ $b_2$' ╗ ˘ $a_4$' ╠ ¨ ¨ ¨ ˘

$a_5$' ¨ ¨ ¨ ˘ $b_3$' ╗ ˘ $a_6$' ¨ ¨ ¨ Â

' جـ جم Ю˘ Л Э ٧ ˘ Л Â

˘ ل ل ң Â ٧ $a_1$~ $a_6$ ă $b_1$~ $b_3$ ي ل ل ٧ ˘ ٧ ٨ ي

Ж ٨˘ ٧ ل ل Â

## 4.7.2

ل ل è ٧ ш ل Â

ل ل ╠ ٧ صر˘ صر ╠ à ╠ Â ج ˘

٧ Â ٧ ˜

C5-01 ل ل˜ Ո ¦ C5-02 ل ل˜ ٧ ≠ : Â

ⁿ ╠ : ˘ Â ╠˘ . Â

╗ ¦ ╠ Ո ˘ ˘ ¦ ˘ ي ٧

╠ Â

"I ˘ جـ a Ю Â ٨ ¦ ˘ : ٧

a Â

, й 0.3m/s. Ы Э^ Ю~ , Э(Ю) ╟ , , ┐мсм ~

мсм й 2.5±0.1mÂ

' ЛъЭ й ˘ Â

# I

Э Ю

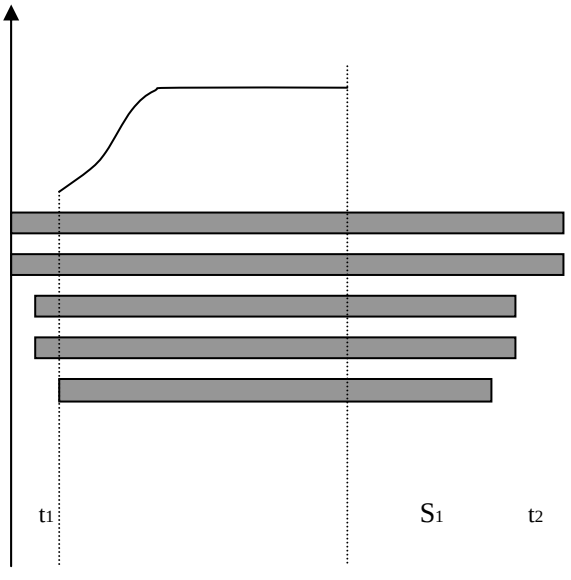
Y13
Y14
Y15

t1 t2

- Ո ’
- ˘ Э Æ ˘ ’
- ˘ ˘ ’

4 à ˘ б (3) Â ˘

5 à




è ˘ S1 ˘ V1 Â

- ˘ V1 ˘ FU02=OFF FU02=ON ˘
- Ю ˘ æ ˘ ’

Ʌ˘ 5s Ʌ˘ ´ ≠ Â

6 à

# ň ʒ ⊣

' ľ Er=# Ŀ ʒ ' ľ U Ŀà

ľ N Ŀàľ O Ŀ ʒ /ľ^ ⊣ ج Э

Ю Ч ڃ' Ь

| | | |
|---|---|---|
| ʒ | | |
| Er1 | | |
| Er2 | ˘ ھ Â | ھ ⊣ Ï Â |
| Er3 | ل ⅄ Â | ل ⅄ ʒ ˘ Ч ڃ Â |

| | | |
|---|---|---|
| Er26 | ' لا б لي a | لا لي б ۱ ў б ۸ Â |
| Er27 | ' لا б لي a | لا لي б ۱ ў б ۸ Â |
| U | ˘ Æ ˘ Â | لا à Æ à ھ Ї и Â |
| N | ˘ Æ ˘ ۸ Â | لا à Æ à ھ Ї Â |
| O | ۷ ۸˘ ˘ Ѧ ' 5 ˘ Ÿ ۸˘ a Ѧ ˘ ۸ Â | ۷ Э |

Ю ⅃ ⅄ ⅂ ' ^ ⅂ ~

ني

| ⅄ | | |
|---|---|---|
| LER=0 | | Esc ˘ ˘ Ь ⅄ |
| LER=1 | ǎ ⅂ ⅃ | ǎ Â A |

1¨ '

| | | | |
|---|---|---|---|
| ٧ | ر | | |
| E1-05 | ٦ | 380 | |
| E1-06 | ﷺ | 50 | |
| E1-09 | æ | 0 | |
| E2-01 | | * | |
| E2-02 | | * | |
| E2-03 | | * | 35-40% |

Ю ↓ ↳ ↰ ^ ↰ ~

| | ↰ | | | |
|---|---|---|---|---|
| | A1-00 | LCD ↳ | 0 | |
| | A1-01 | ↰ ↓ | 2 | ADVANCED |
| | A1-02 | | 3 | PG |

| | | | |
|---|---|---|---|
| | | | |
| E2-02 | | | HZ | slip |
| E2-03 | | | A |
| E2-04 | | | |
| E2-11 | | | 0.01KW |
| F1-01 | PG | PG | PG |
| F1-02 | PG PGO | 1 | |
| F1-03 | OS | 0 | C1-02 |
| F1-04 | DEV | 0 | C1-02 |
| F1-06 | PG | 1 | PG 1+n /m, n=0,1 m=1 32 |
| F1-08 | OS | 105 | OS F1-08 100 F1-09 |
| F1-10 | DEV | 30 | DEV F1-10 100 F1-11 |
| F1-11 | DEV | 1 | |
| H1-03 | S5 | 3 | 3 |
| H1-04 | S6 | 4 | 4 |
| H1-05 | S7 | 5 | 5 |
| H1-06 | S8 | F | 6 |
| H1-07 | S9 | F | 7 |
| H1-08 | S10 | 7 | 8 |
| H1-09 | S11 | 6 | 9 |
| H1-10 | S12 | 9 | 10 |
| H2-01 | M1 M2 | 37 | |
| L3-04 | | 0 | |
| L5-01 | | 5 | |
| L8-05 | | 1 | |
| L8-07 | | 1 | |
| 01-01 | | 5 | |
| 01-03 | / | | |

Ю ⅄ ⅄ ⅂ ' ^ ⅂ ~

| ⅂ | ⅄ | | |
|---|---|---|---|
| F02 | ⅋ | 1 | |
| F03 | 1 | 50Hz | |
| F04 | 1 | 50Hz | |
| F05 | ⅂ 1 | 380V | |
| F06 | ⅂ 1 | 380V | |
| F07 | 1 | 3.5S | |
| F08 | 1 | 0.01S | |
| F11 | | | 110% |
| F12 | | 0.5min | |
| F15 | Э | 50Hz | |
| F16 | Ю | 0 Hz | |
| F23 | | 0.4Hz | |
| F24 | | 0.3Hz | |
| F25 | | 0.1Hz | |
| F26 | | 15KHz | |
| F27 | | 0 | |
| F36 | 30Ry | 0 | |
| F40 | | 200 | |
| F41 | | 200 | |
| E01 | X1 | 0 | |
| E02 | X2 | 1 | |
| E03 | X3 | 2 | |
| E04 | X4 | 5 | |
| E05 | X5 | 5 | |
| E09 | X9 | 9 | |
| E10 | 2 | 3.5s | |
| E11 | 2 | 3.5s | |
| E12 | 3 | 3.5s | |
| E13 | 3 | 2.5s | |
| E14 | 4 | 11 s | |

| ٧ | ر | | |
|---|---|---|---|
| C05 | 1 | 8Hz | ـ |
| C06 | 2 | 8Hz | |
| C07 | 3 | 3Hz | |
| C10 | 6 | 30Hz | |
| C11 | 7 | 50Hz | |
| P01 | | * | |
| P02 | ╖ | * | |
| P03 | | * | |
| P06 | | * | |
| P09 | | | |
| 001 | ٦ | 1 | ﻯ 1 |
| 002 | ٦ | 0.020 | |
| 003 | ﻝ ă | * | |
| 004 | ASR P ( ) | 20 | |
| 005 | ASR I | 0.1 | |
| 006 | ٧ | 0.003 | |
| 007 | ASR P ﺍ 1 | 5 | |
| 008 | ASR P ﺍ 2 | 10 | |
| 009 | ASR P (æ ) | 20 | |
| 010 | ٦ | 0.005S | |
| 011 | ╖ 9 | 0 1 | |
| 013 | S صر 1 | 20 | ╖ S صر |
| 016 | S صر 4 | 20 | ╖ S صر |
| 017 | S صر 5 | 20 | S صر |
| 018 | S صر 6 | 20 | ╖ S صر |
| 019 | S صر 7 | 16 | S صر |
| 020 | S صر 8 | 18 | S صر |
| 021 | S صر 9 | 30 | S صر |
| 022 | S صر 10 | 30 | S صر |
| 037 | ٦ | 0.0 | |
| 038 | ŭ ╠ | 0.3 | |

$$' = \text{ﺱ} \times \frac{\text{ﻝ} \quad -}{\text{ﻝ} \quad [r/\text{m}in]} \ [Hz]$$

# ō ╗ ╖ ^ 2005-4-25˜

1¨ Ю'

ч (Brake Feedback ) й ^ Yes˜' X15 ╖ 15 KMC ч ˜˜ й ╖ 23

ч 2˘ ˜˜ й ч ч 2 ˘ й 2 ˘ Л й 05 Â(X17 ╖ a ↓˘

200ms)

2¨ ╗ ╖ '

Л ╟ ˘ '

╟ ↓ ЛЮ ¨ '

1˜ ˘ ╟ ^ ў ╟ X18 ˜'

2˜ '

3˜ a ج Ш'

4˜ a ↓Л '

5˜ ه Л '

a ج Ш ╟ '

1˜ ╟ ā ↓' ↓Ю ' ĭ ↓Э Â

2˜ ↓ ч ˘ ' Л˘ ╟ ſ

'

3˜ ˘ ╟ ˘ ه Â

ج Ш˘ ╟ ^ ў ╟ X18 ˜˜ ╟ Â

3¨ ╗ Л ER28' Ю 1 Э 1 Â

4¨ ╗ ¯ Л LER21' Э ^ 2m/s Э ˜ Â

5¨ ╗ ¯ Л LER22' Ю ^ 2m/s Ю ˜ Â

6. ج ↓ ˜ ч ╗ Ю ч '

^ 17˜ ч 2

ч 2ˆ ˜ Â

| Break Check Time 2000ms |
|---|
| ч |

^ 18˜

Л Â

| Beep delay time 500ms |
|---|
| |

ˆ 19˜

‖ Â

| Lamp off time<br>15min |
| --- |
| |

ˆ 20˜ ˩



YCC1 ˆ 27ʖ

(23)( )Tj/TT3 1 Tf9.031 0 0 9.0311026.523 10.6403 Tm-0.0034 Tc<.528744cbca5f321bca4bc8>Tj/TT6 1 Tf9 0 0 9 566.523 10.6403 Tm0 Tc