Si -a i obo con ol em man al

HC-S6 V2.3

Shen hen H acheng Ind ial Con ol Co.,L d.

Ca alog e

1 SYSTEM CONFIGURATION AND INSTALLATION..... 4

1.1 BA IC C FIG A I

2 OPERATION INTERFACE.....5

2.1 A EA A CE A D DE C I I

2.2 KE F C I DE C I I

2.2.1

2.2.2 F

2.2.3 A

2.2.4 F

2.3 AI C EE A D A I DEFI I I

2.3.1

C

C

C

C

5 AUTOMATIC STATE.....88

6 ALARM INFORMATION AND ALARM REASONS.....90

7 BOARD PORT DEFINITIONS.....120

AI C L B A D E IAL DEFI I I

PORT DEFINITION FOR THE I / O BOARD

7.3 E D I E I E FACE DEFI I I

8 WIRING DIAGRAM.....123

8.1 HE E C EC I A D A A E E E I G

8.2 A LE A A IC E ED

8.3 I G I BI HI E EC D

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9.1 B A D E AL CA E I E

9.2 A D C LLE

9.3 I CHI G E LIE I ALLA I DI E I

ANNEX1.....130

1 S em config a ion and in alla ion

1.1 Ba ic Config a ion

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3, I /

4, (2)

1.2 S em in alla ion

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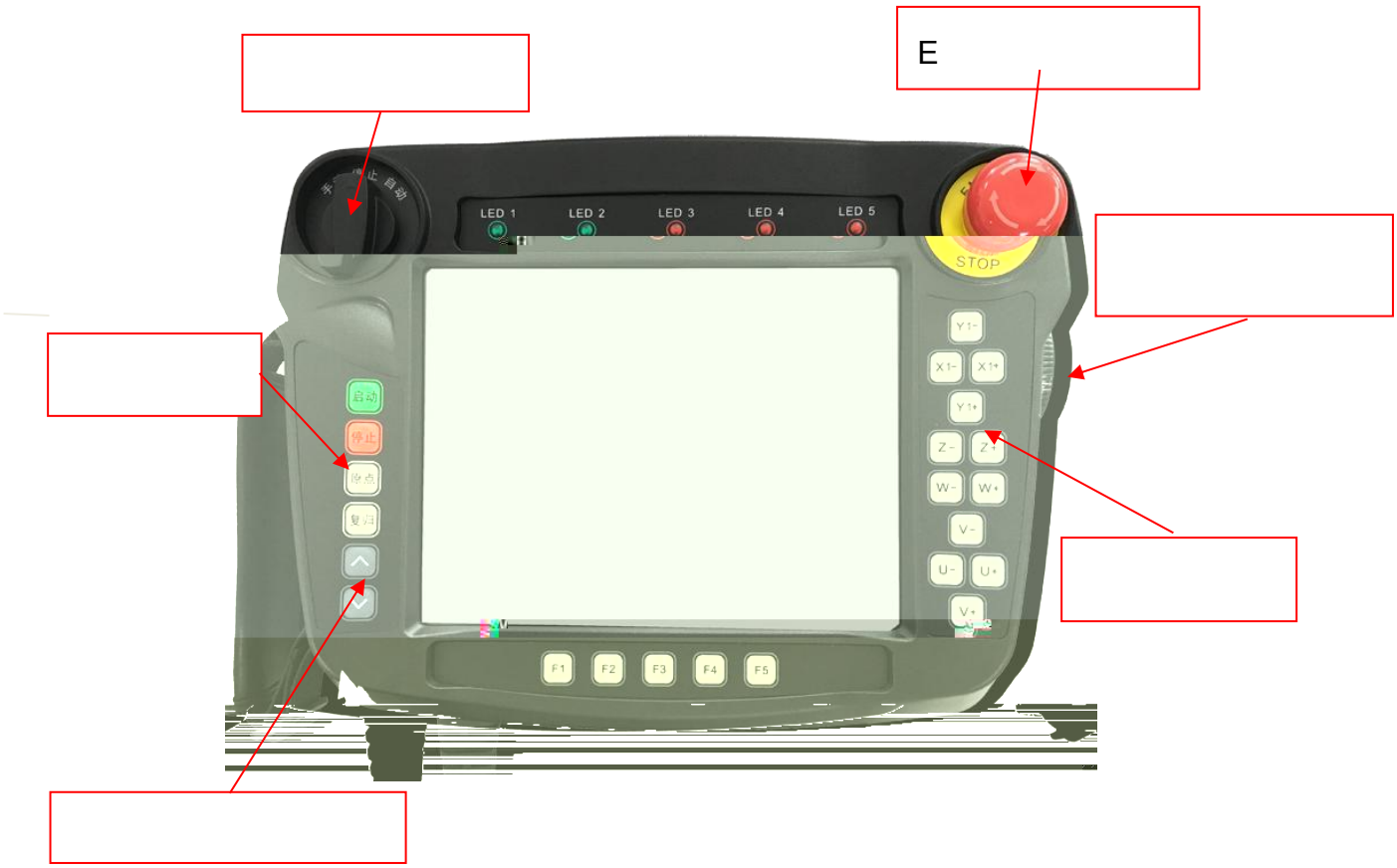
2 Ope a ion in e face

2.1 Appea ance and de c ip ion



2.2 Ke f nc ion de c ip ion

2.2.1 S a e elec ion i ch

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A F

I

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"S op" ,

F

I ,

"A o" ,

F

I .

2.2.2 F nc ion ke

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" " : F 1: . I

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F 2: I ,

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" " : I , , " "

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: . F ,

3.2.1.17 F .

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. F , 3.1.

2.2.3 A i ac ion ke

X + : .

X- : .

Y1- : .

Y1- : ;

Z + : .

Z- : .

U + : .

U- : .

V + : .

V- : .

W + : .

W- : .

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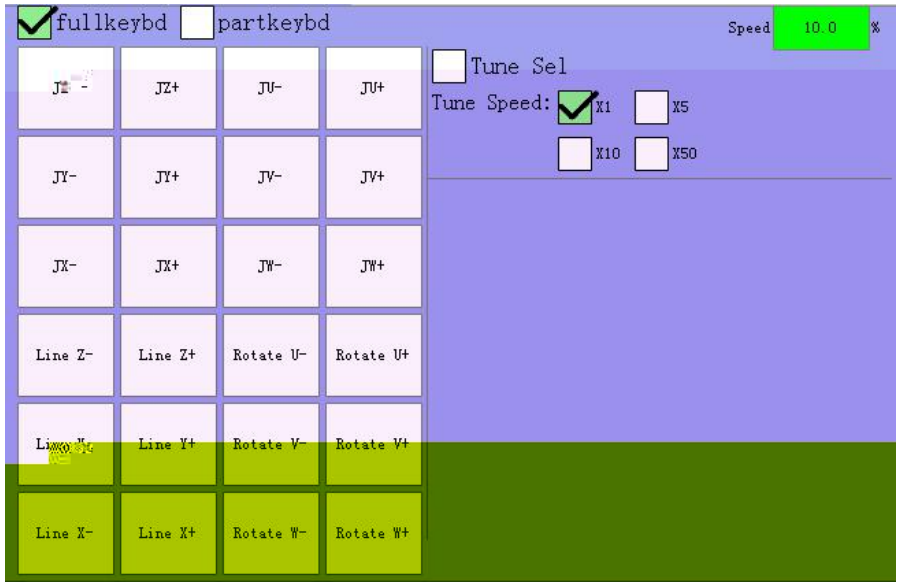
fullkeybd
partkeybd
Speed
10.0
%
JZ+
JU-
JU+
JY-
JY+
JV-
JV+
JX-
JX+
JW-
JW+
Line Z-
Line Z+
Rotate U-
Rotate U+
Line Y+
Rotate V-
Rotate V+
Line X-
Line X+
Rotate W-
Rotate W+
Tune Sel
Tune Speed:
X1
X5
X10
X50

2.2.4 Fine adj men knob

F :

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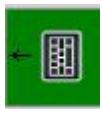

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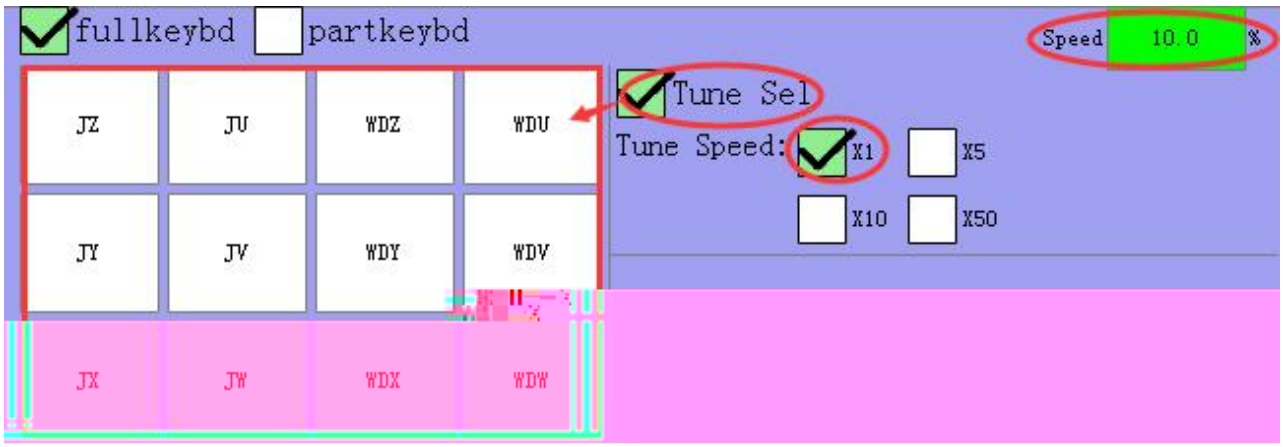

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10: 0.1 0.1 .

50: 0.5 0.5 .

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J :

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2.2.5 Eme genc b on

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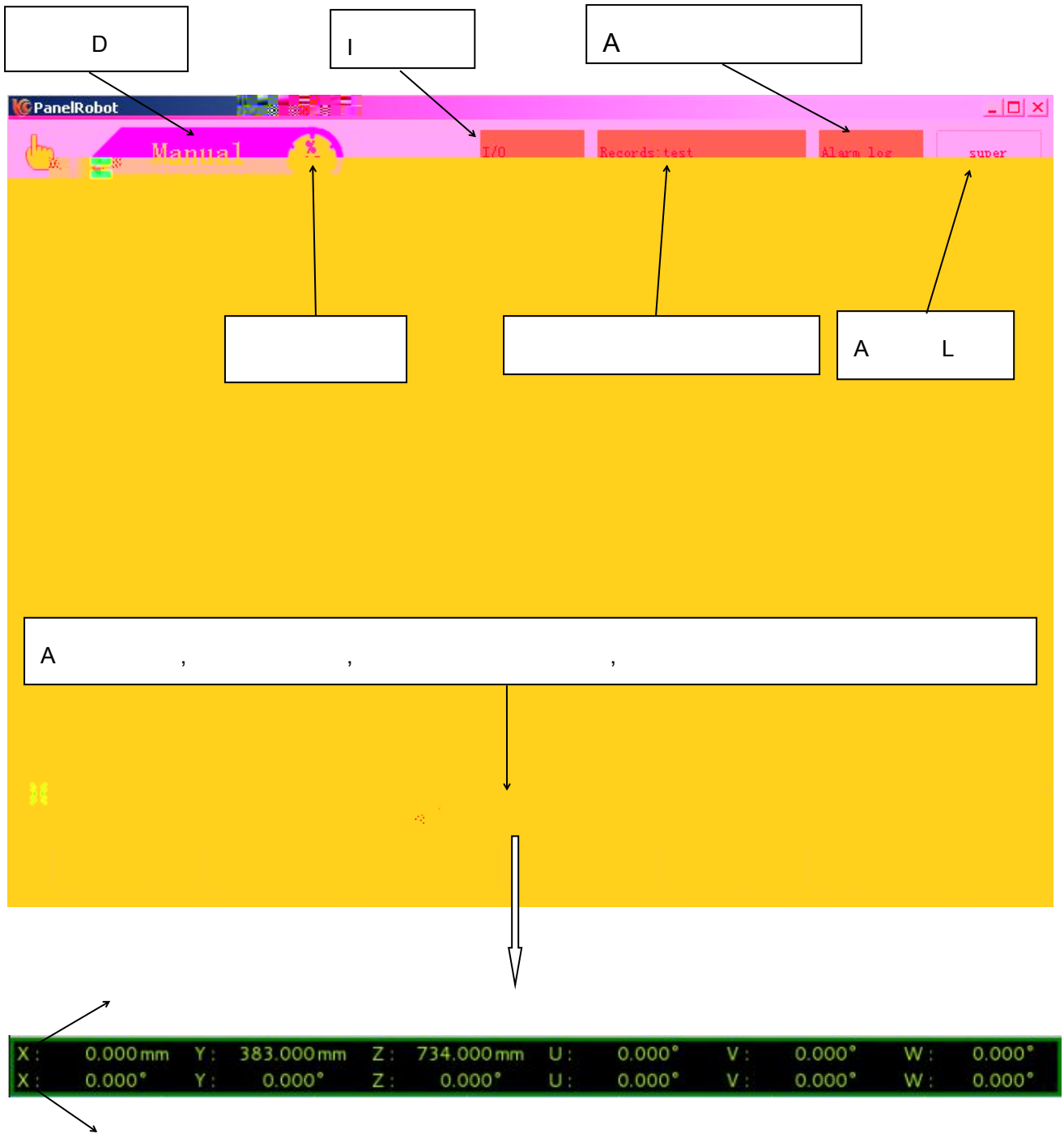
2.3 Main c een and a i defini ion

2.3.1 Main c een de c ip ion



2.3.1.1A ho i managemen

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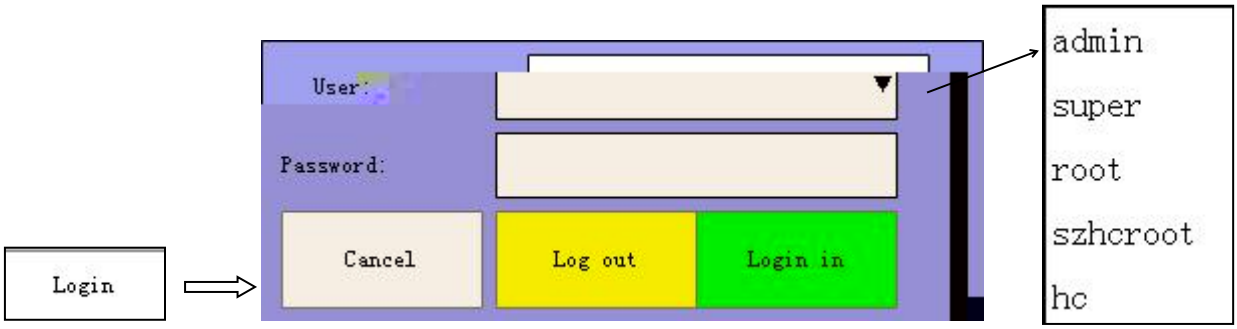

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2: C 4.3.6.

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2.3.1.2 Calc la o

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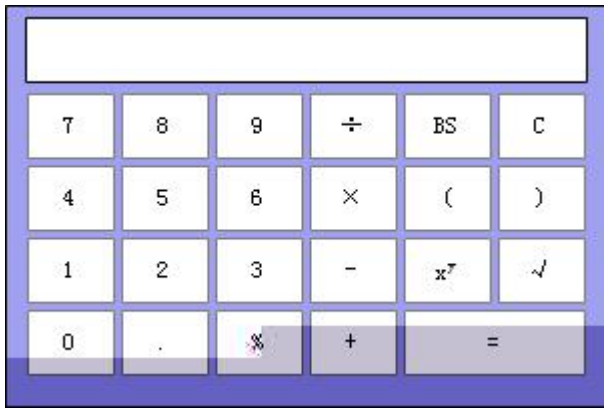

2.3.1.3I / O moni o ing

C I / /

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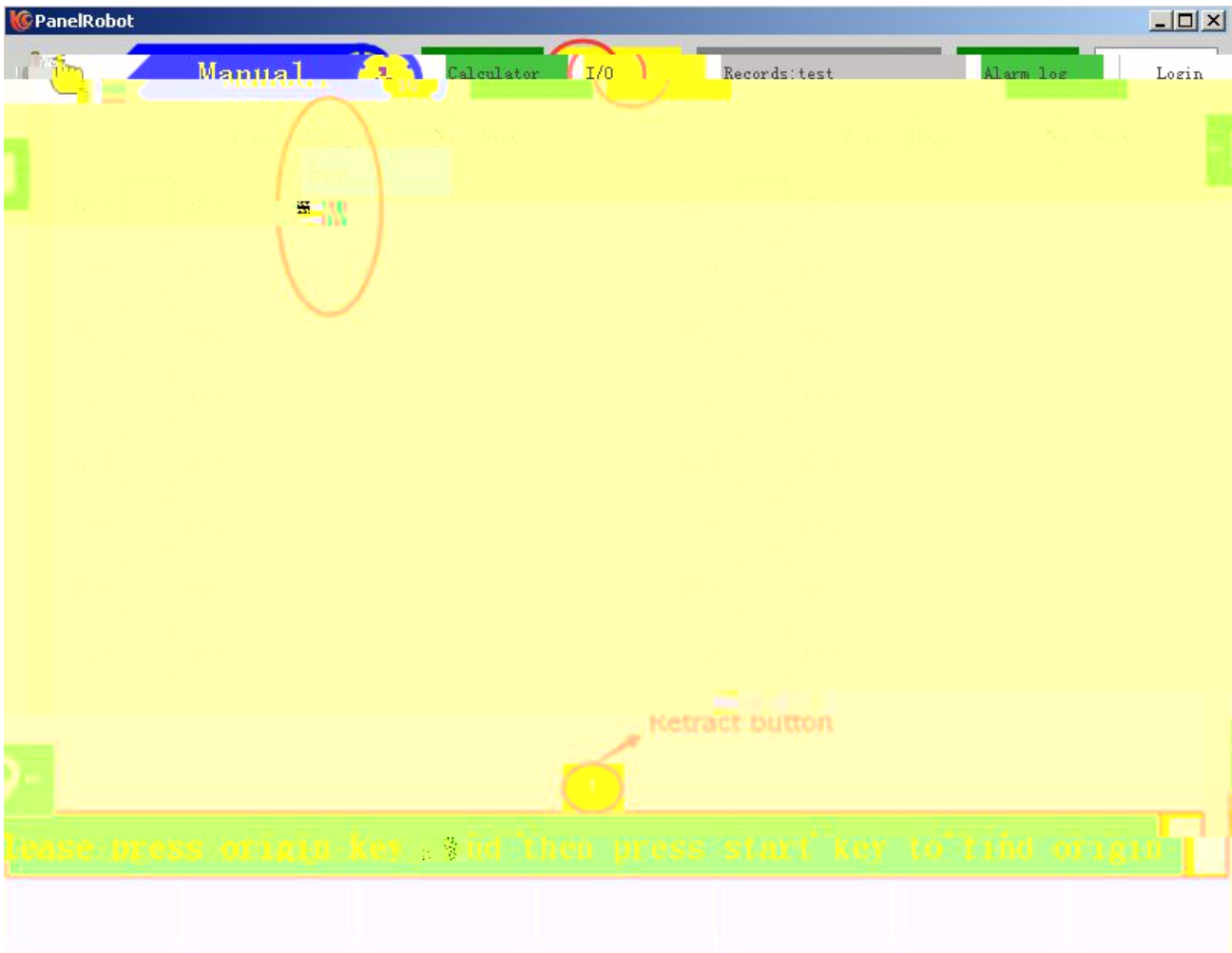

2.3.1.4 Model

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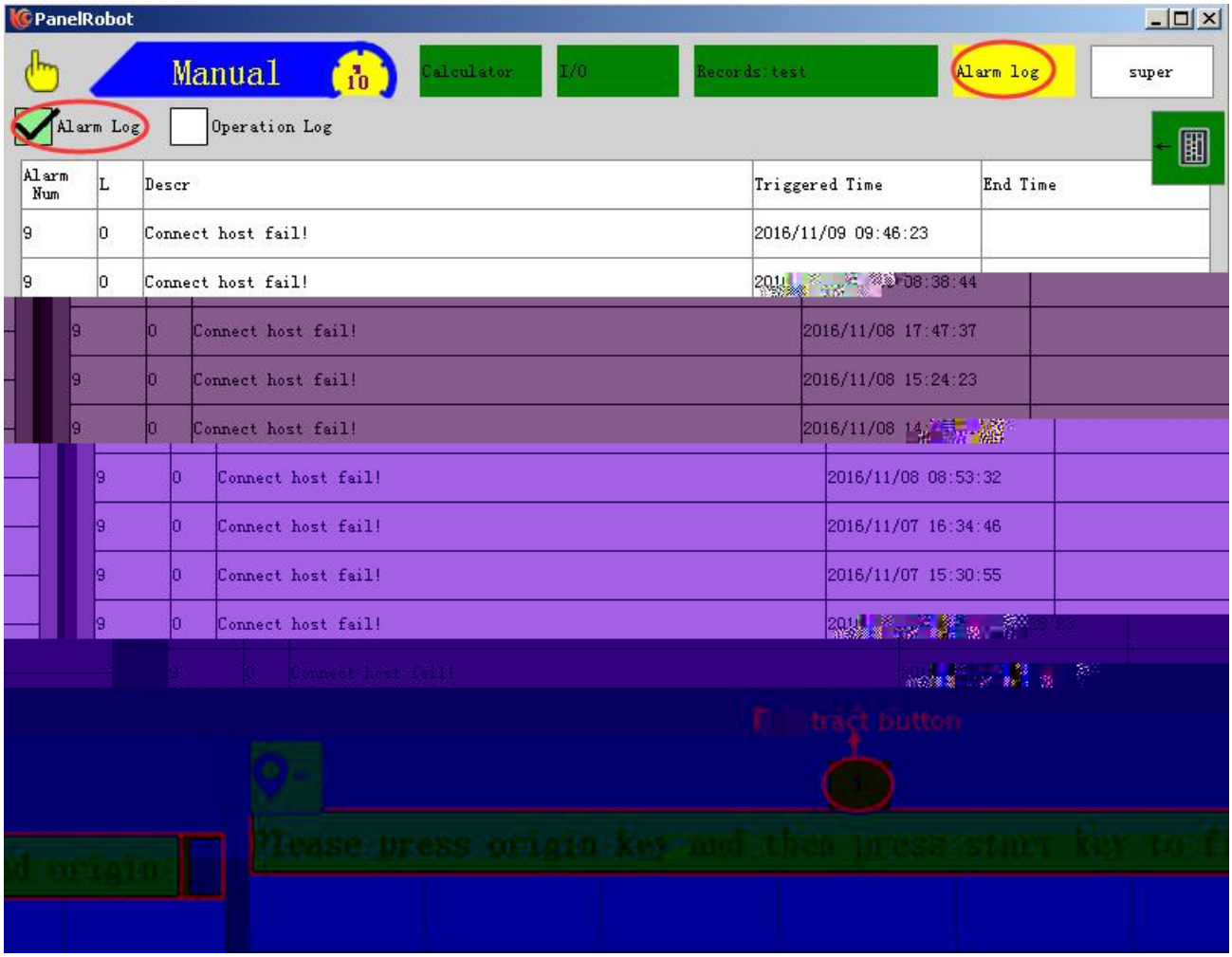
Clea ea ch: C .

2.3.1.5 Ala m log

C A L .

A L :



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2.4 Ope a ing mode

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2.4.1 O igin Re e ion

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2. : I , " " " C "

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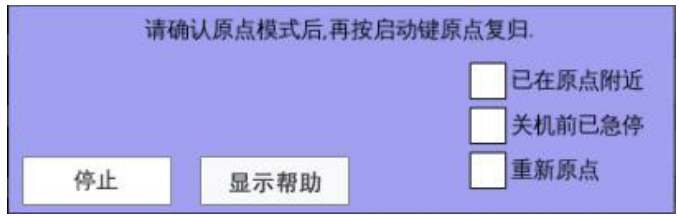

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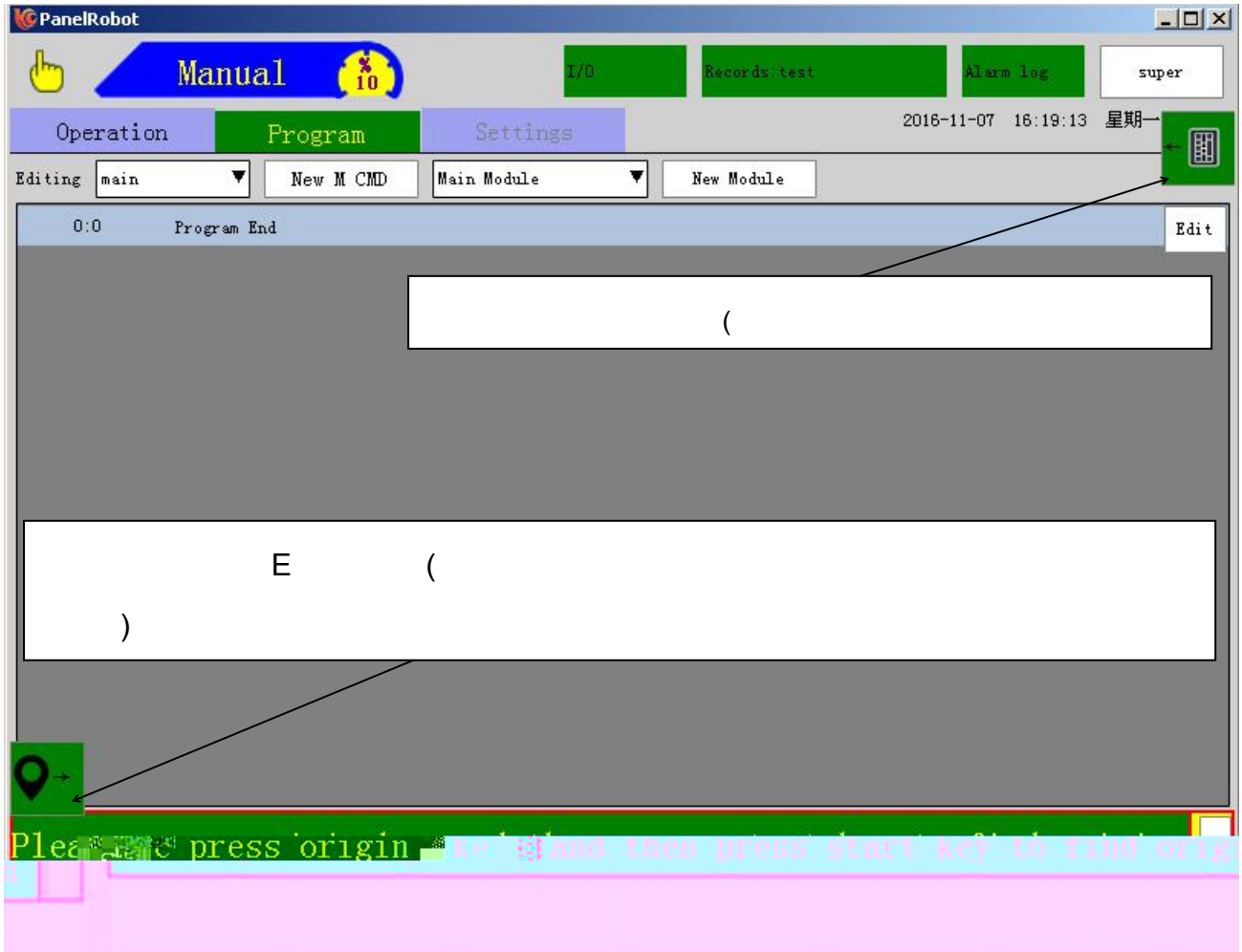
PanelRobot
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10
I/O
Records:test
Alarm log
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Operation
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Settings
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3.1 P og am

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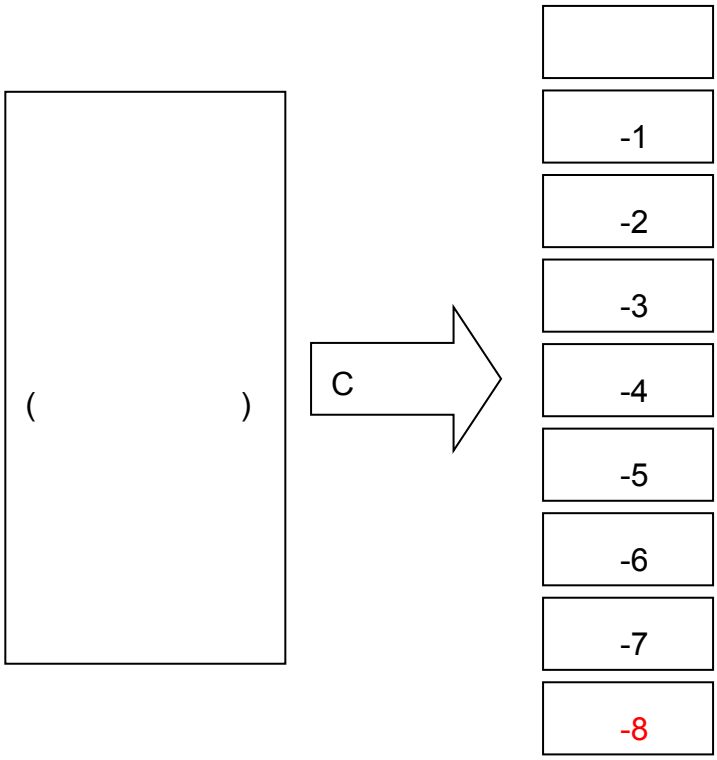

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8(-8), (/ /)

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K (C D): C " K (

C D)" . C K "E " .

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D K (C D):

- "E " D K (C D) .

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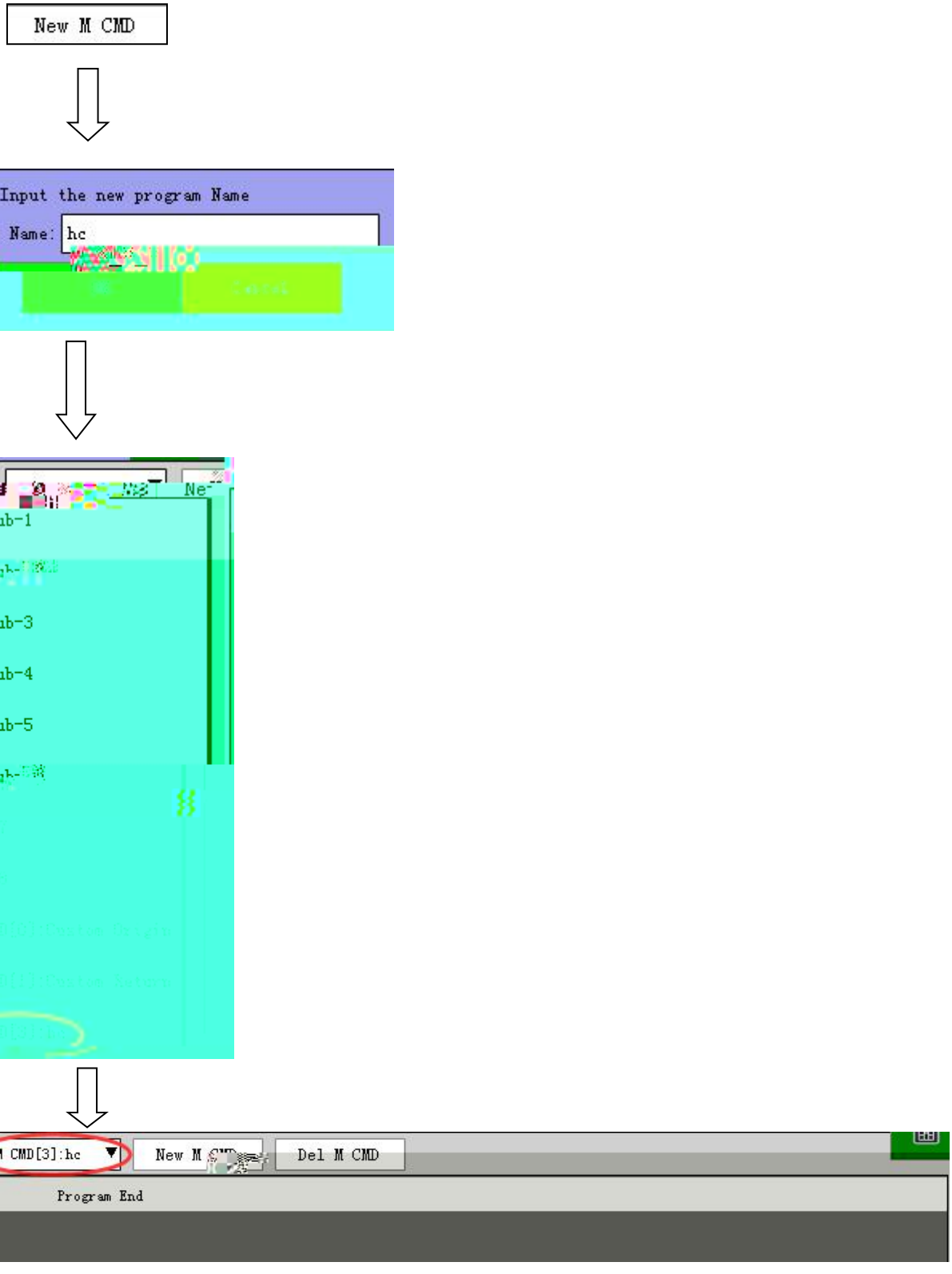
New M CMD
Please Input the new program Name
Program Name: hc
Sub-1
Sub-3
Sub-4
Sub-5
Editing
M CMD[3]:hc
New M CMD
Del M CMD
0:0
Program End

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PanelRobot
Manual
Calculator
I/O
Records:test
Alarm log
super
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Please press origin key and then press start key to find origi

" ": , .

" ": C .

"D ": C .

C : C C

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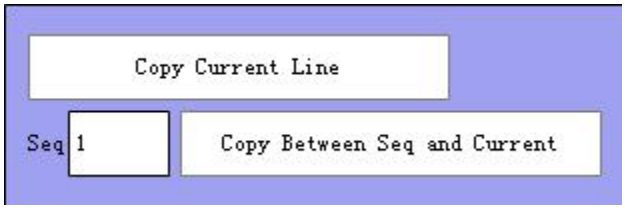

Copy Current Line
Seq 1
Copy Between Seq and Current

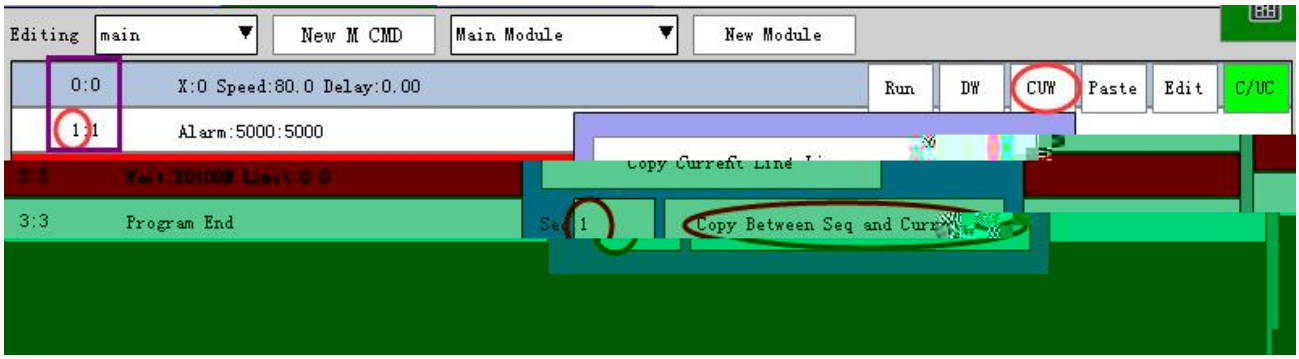
E: " L " .

C : 0 1

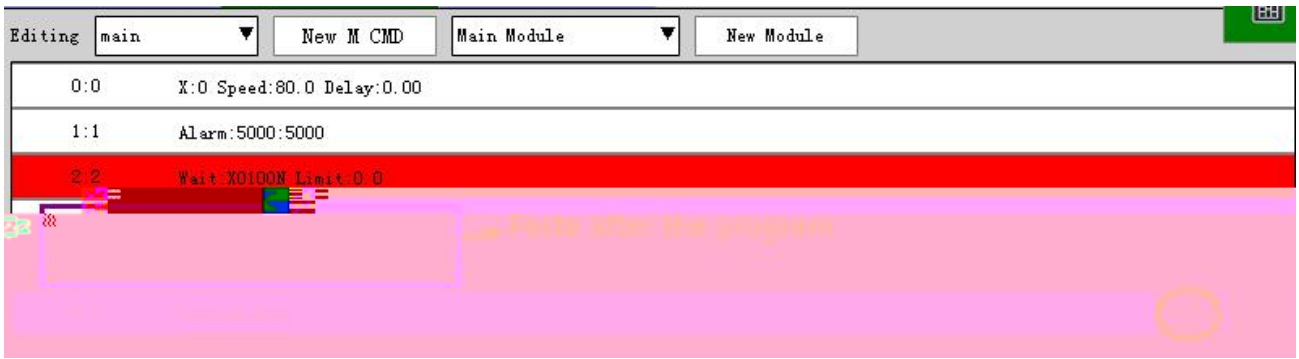
011 :

1: C C , 1 " "

C C .



2: C .



: I " ,"

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" ": .

"E ": C E .

: , " " .

"D ": C .

"F .": C - .

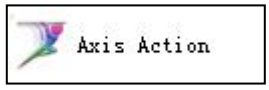
3.2 Ac ion men

C "E /H" , 17

, . A

. C , C .

3.2.1A i ac ion

C 

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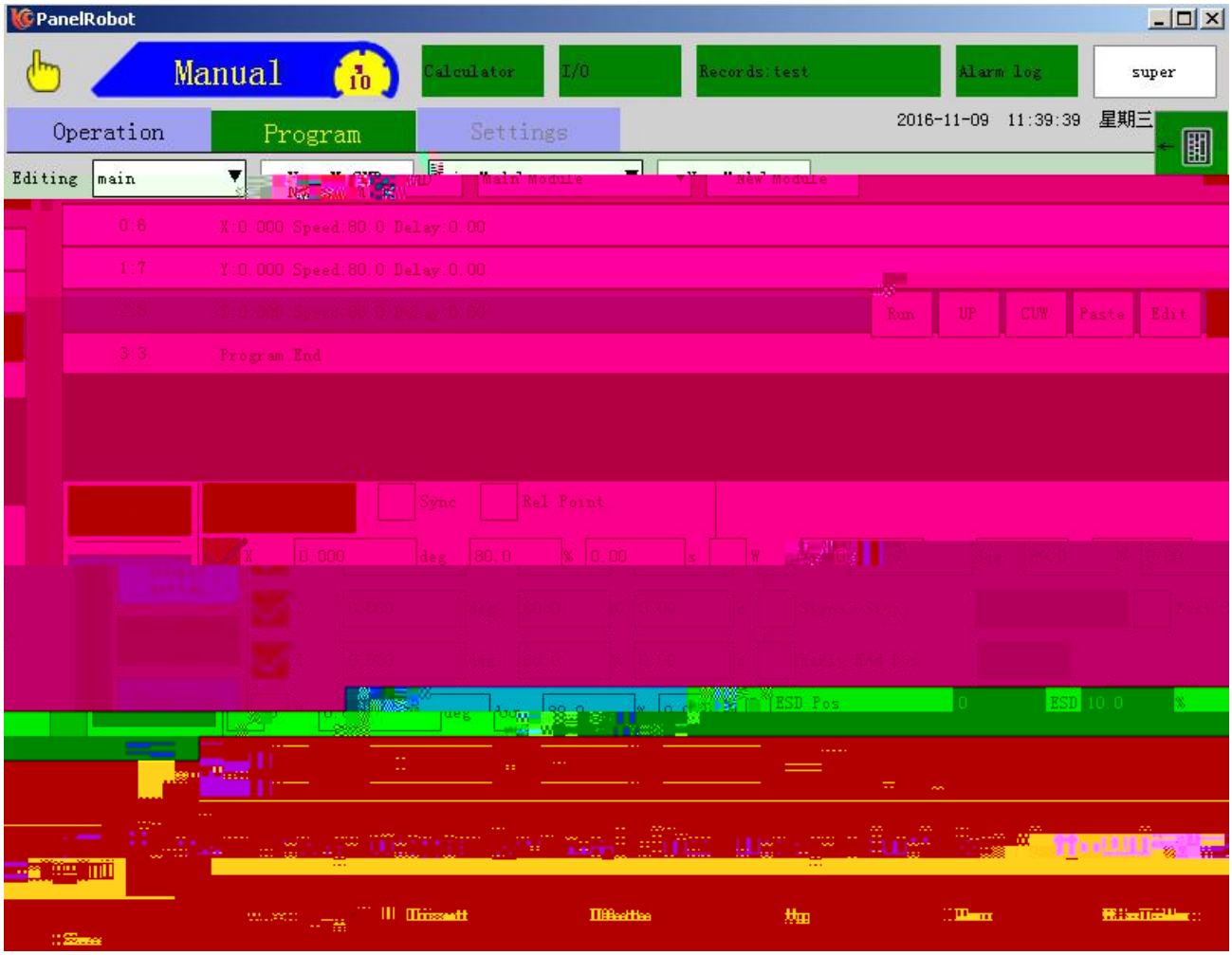

In e : I ,

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In e : " " "I "

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S nc: " "

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Rel poin : C

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ESD POS: l

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1000, 80%. 0-800 80%

, 800-1000 5% .

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Rel(Rela i e): .

S op: " ",

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3.2.2 Pa h

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Line 2D (Line XY, Line XZ, Line YZ): H

" "
.

Line 3D: I ,
" "
.

C e 2D (C e XZ, C e XZ, C e YZ): H

.

C e 3D: I ,
" " "
"
.

Po e: .

Rela i e line: , .

Rela i e C e: , .

Po e aigh line: "

"

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Po e c e: "

" " " .

Po e f ll ci cle: "

" " " .

F ee pa h: ,

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Rela i e Join : .

Rela i e po e line: , , ,

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Rela i e po e c e: , , ,

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F ll ci cle: D .

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(E)" C

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E :

1: C .

2: C

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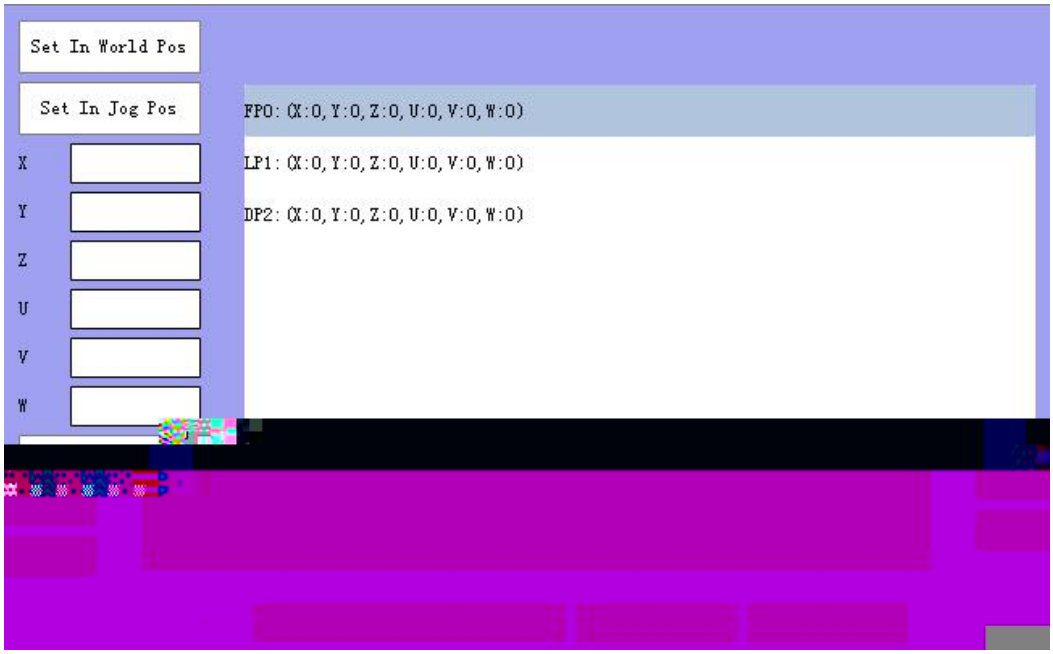

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1: I : E

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2: C .

3: C (, ,

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D :

"D " .

L : E " L " " L "

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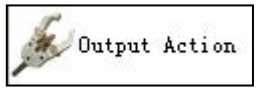
3.2.4O p ac ion

C 

3.2.5Check

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PanelRobot
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Records:test
Alarm log
super
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3.2.6Condi ion

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3.2.7Wai

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Wai
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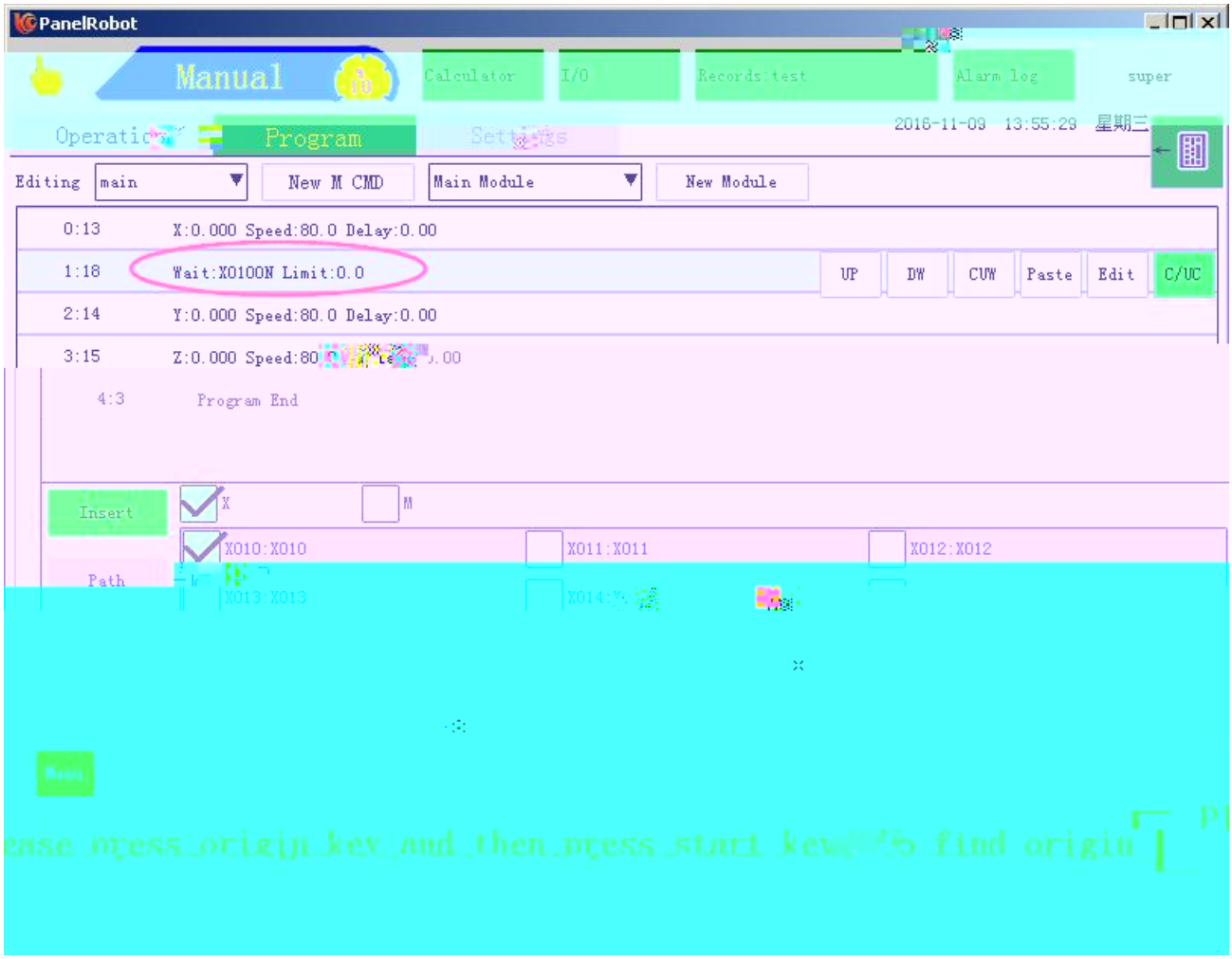
PanelRobot
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Alarm log
super
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Program
2016-11-09 13:55:29 星期三
Editing
main
New M CMD
Main Module
New Module
0:13 X:0.000 Speed:80.0 Delay:0.00
1:18 Wait:X0100N Limit:0.0
2:14 Y:0.000 Speed:80.0 Delay:0.00
3:15 Z:0.000 Speed:80
4:3 Program End
UP
DW
CUW
Paste
Edit
C/UC
Insert
Path
X
M
X010:X010
X011:X011
X012:X012
X013:X013

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3.2.8Co n e

C

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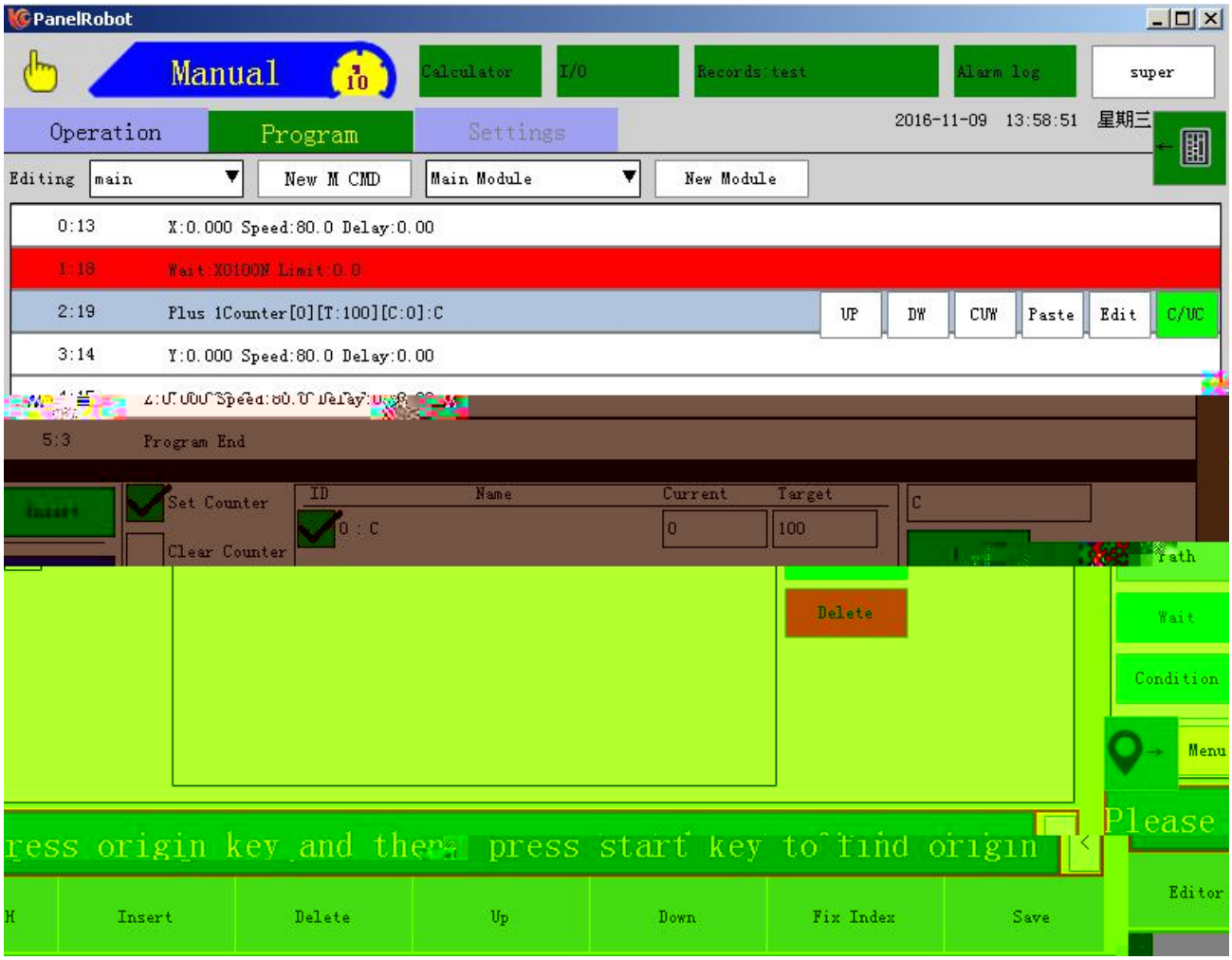

C :1, ;2,C

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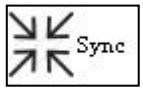
Ta ge : .

3.2.9 S nc

C 

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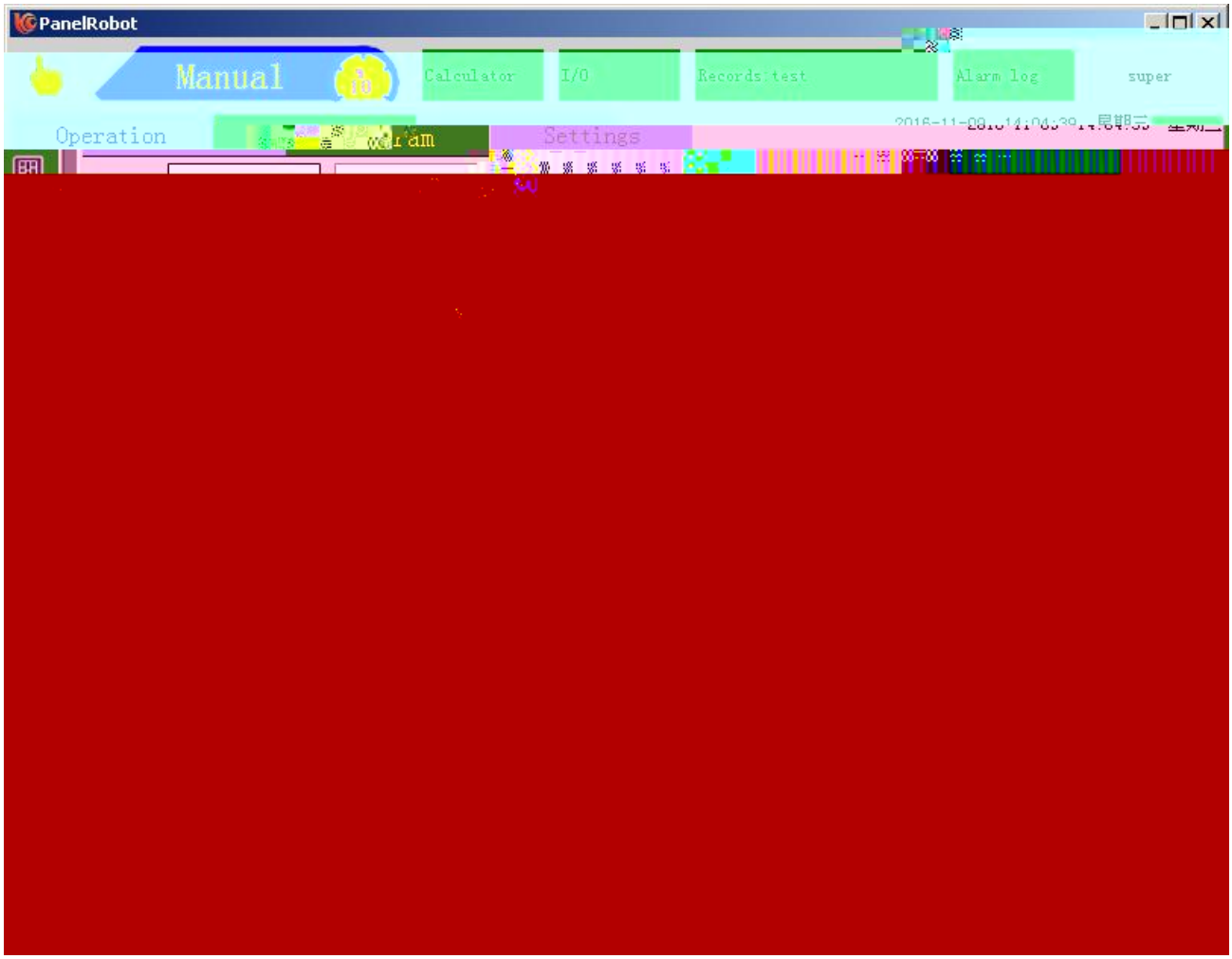

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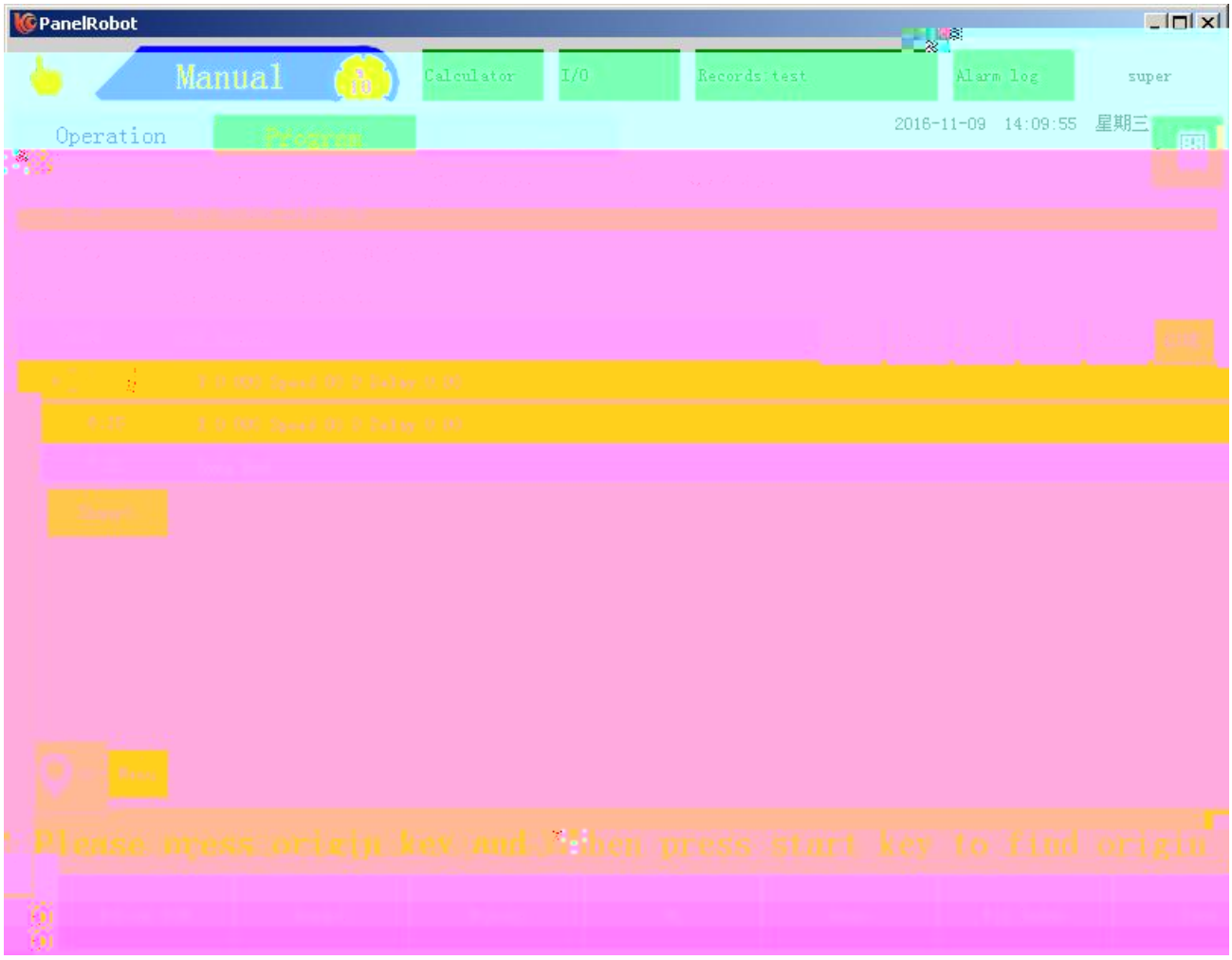

E :

" " " " .

3.2.11S ack

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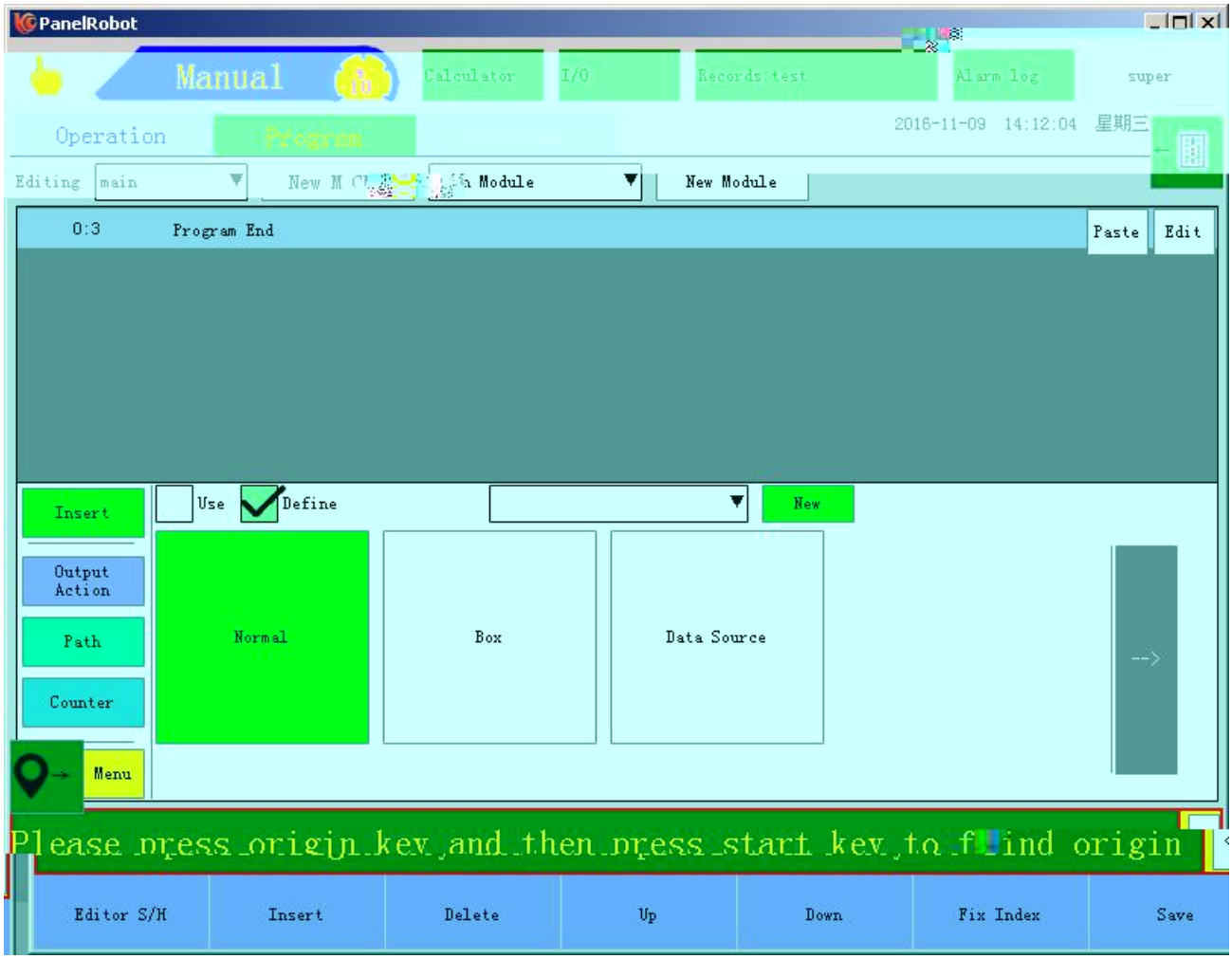

:1, ; 2,B ;3,D

3.2.11.1No mal acking

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S acked ec ang la hape of he ope a ion me hod:

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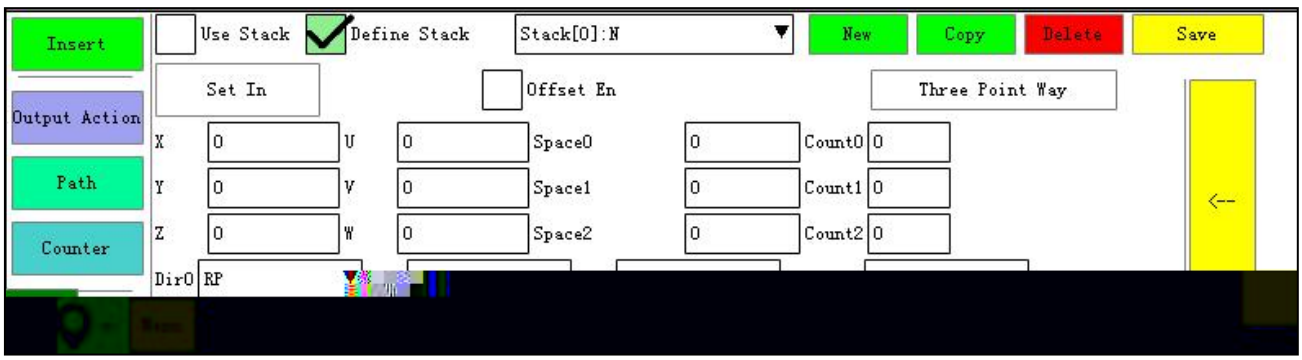

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3. C

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D -

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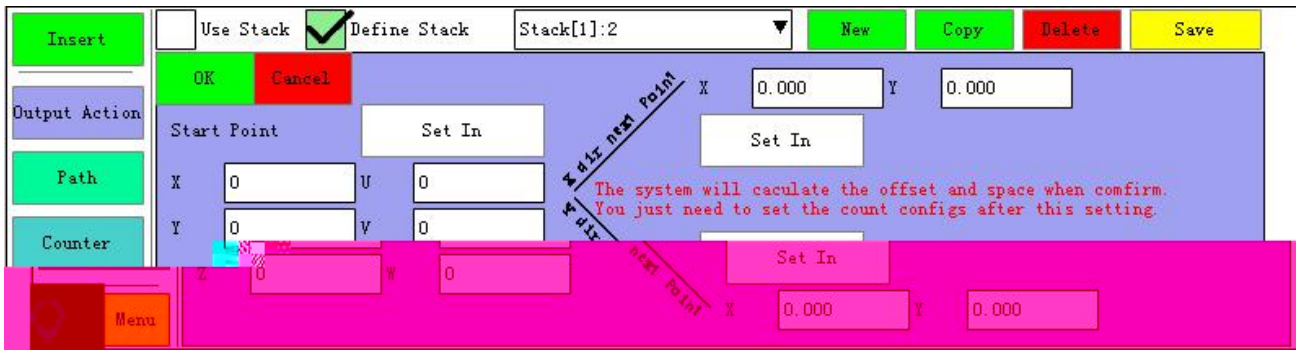

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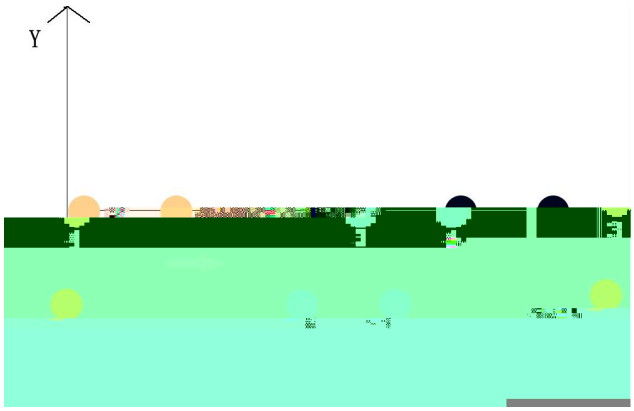

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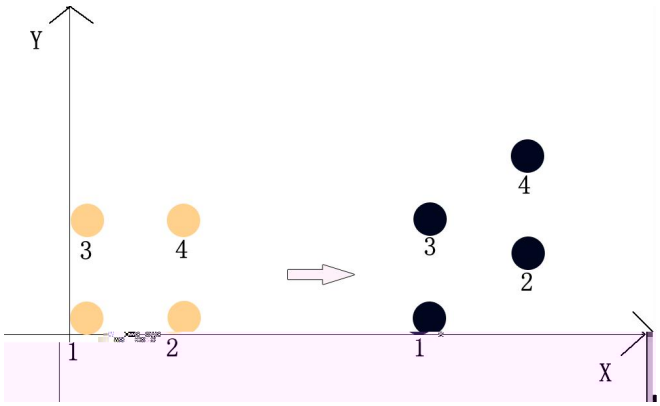

B A

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D : D , +, , .

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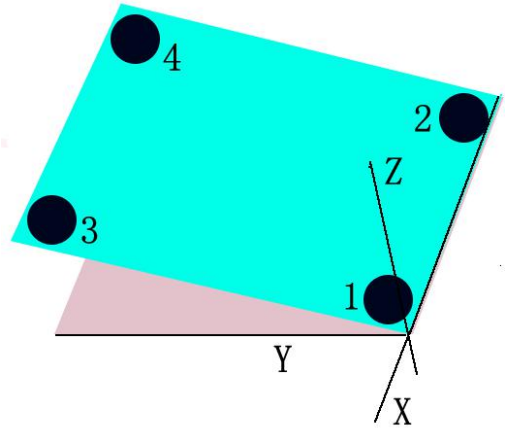
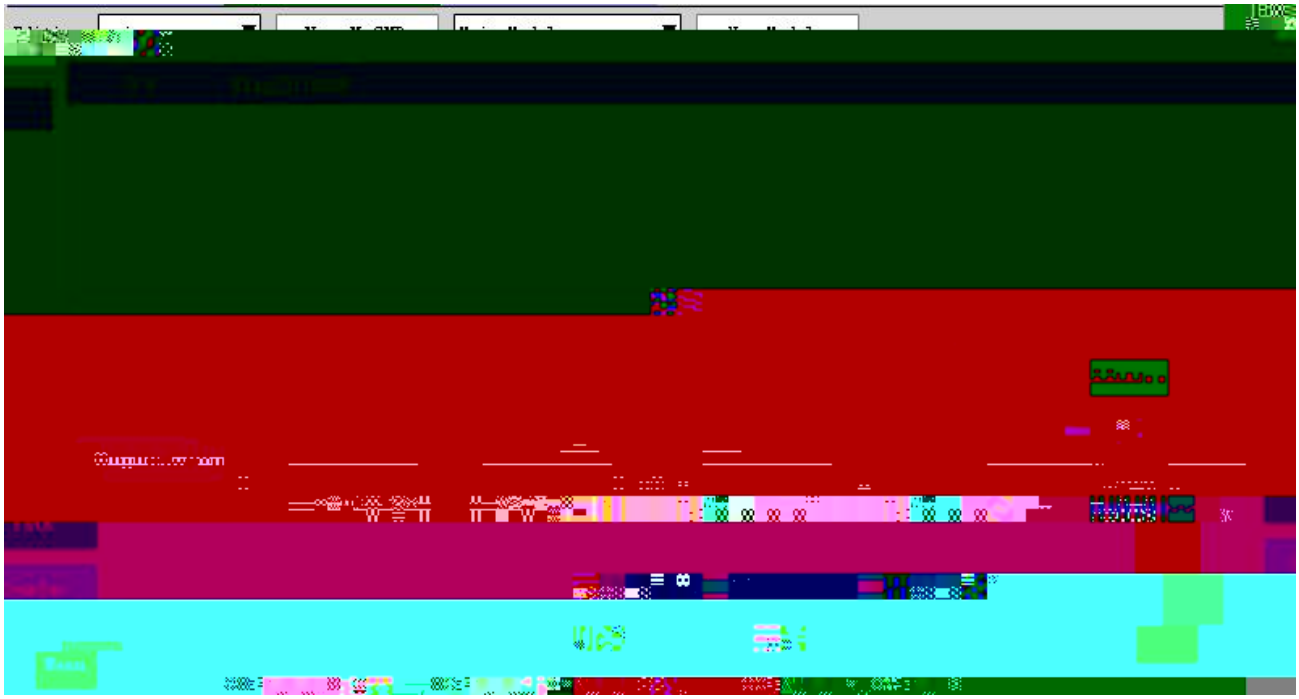


Teaching Page Se p:



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3.2.11.2 Bo ing and in-bo acking

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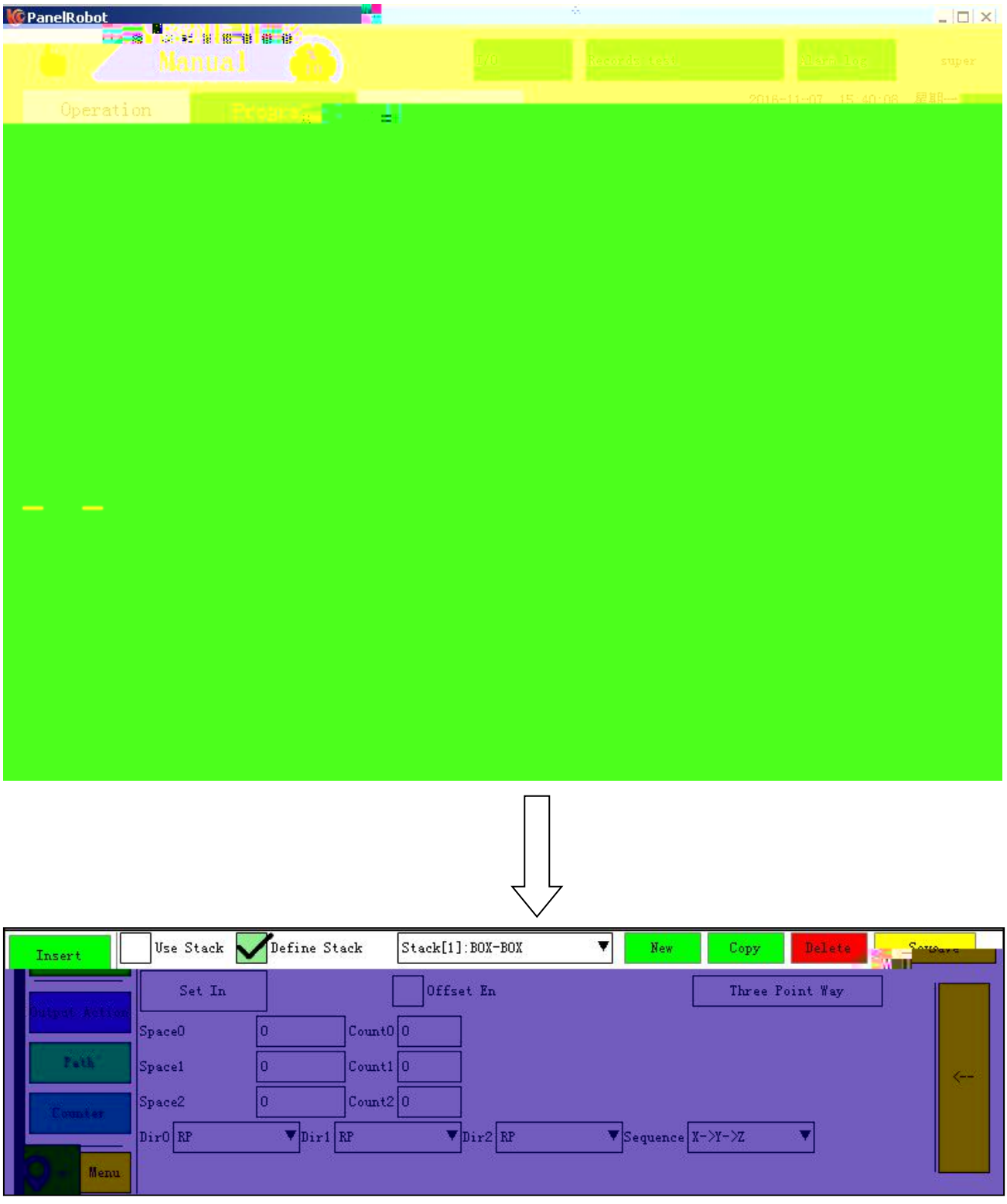
PanelRobot
Manual
I/O
Records test
Alarm log
super
Operation
Program
2016-11-07 15:40:06 星期一

Insert
Use Stack
Define Stack
Stack[1]:BOX-BOX
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Space0
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Count1
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Space2
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3.2.11.3 Da a o ce acking

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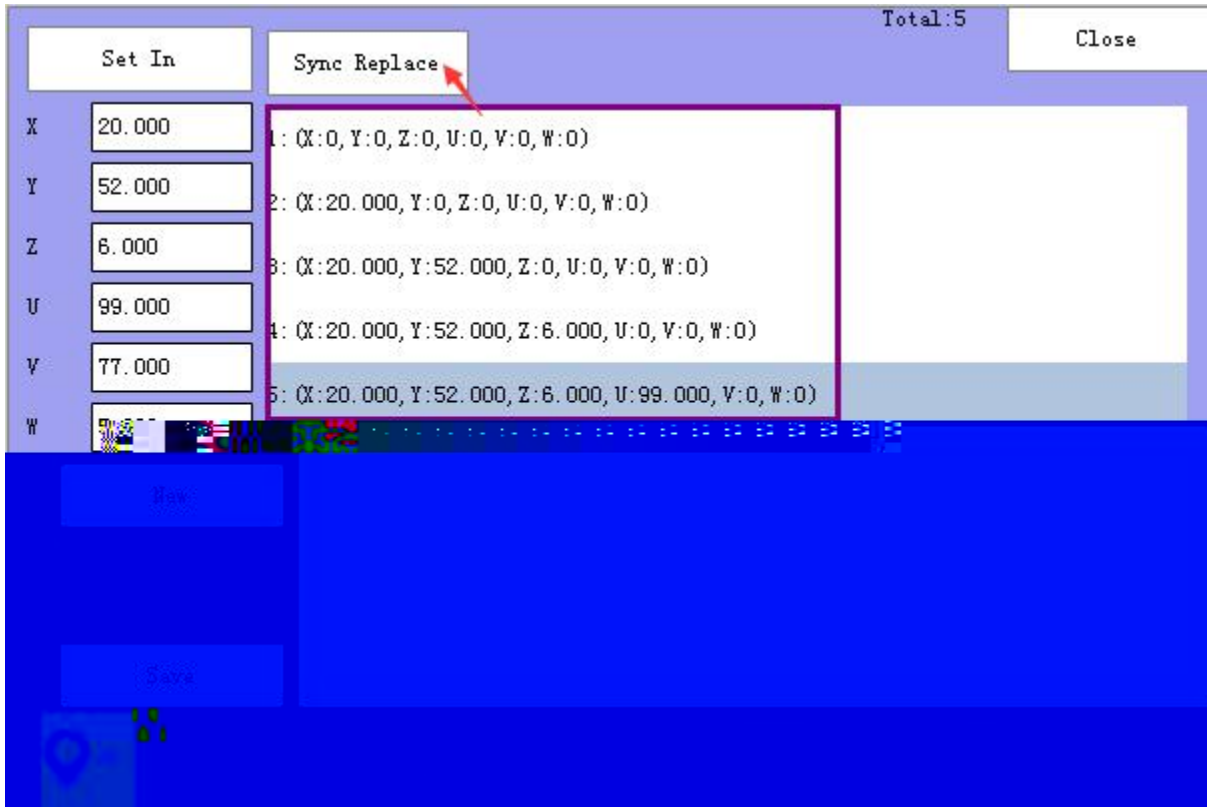
Total:5
Close
Set In
Sync Replace
X
20.000
Y
52.000
Z
6.000
U
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V
77.000
W
1: (X:0, Y:0, Z:0, U:0, V:0, W:0)
2: (X:20.000, Y:0, Z:0, U:0, V:0, W:0)
3: (X:20.000, Y:52.000, Z:0, U:0, V:0, W:0)
4: (X:20.000, Y:52.000, Z:6.000, U:0, V:0, W:0)
5: (X:20.000, Y:52.000, Z:6.000, U:99.000, V:0, W:0)

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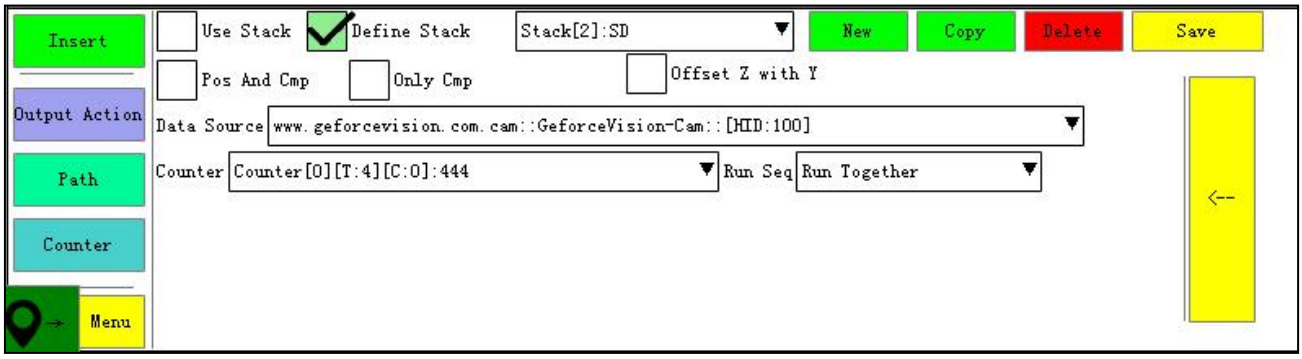
Insert
Output Action
Path
Counter
Menu
Use Stack
Define Stack
Stack[2]:SD
New
Copy
Delete
Save
Pos And Cmp
Only Cmp
Offset Z with Y
Data Source
www.geforcevision.com.cam::GeforceVision-Cam::[HID:100]
Counter
Counter[0][T:4][C:0]:444
Run Seq
Run Together
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3.2.12 C om Ala m

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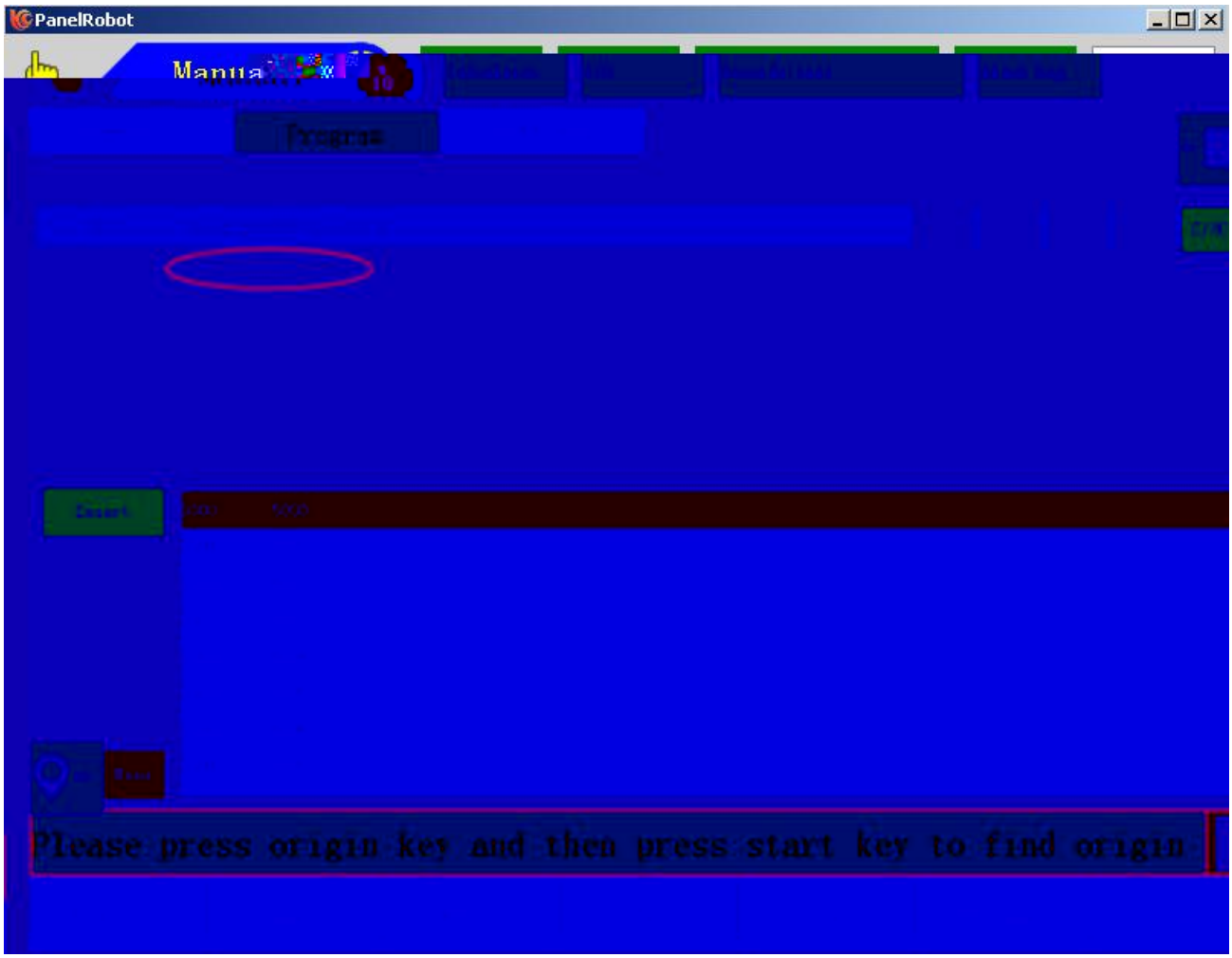

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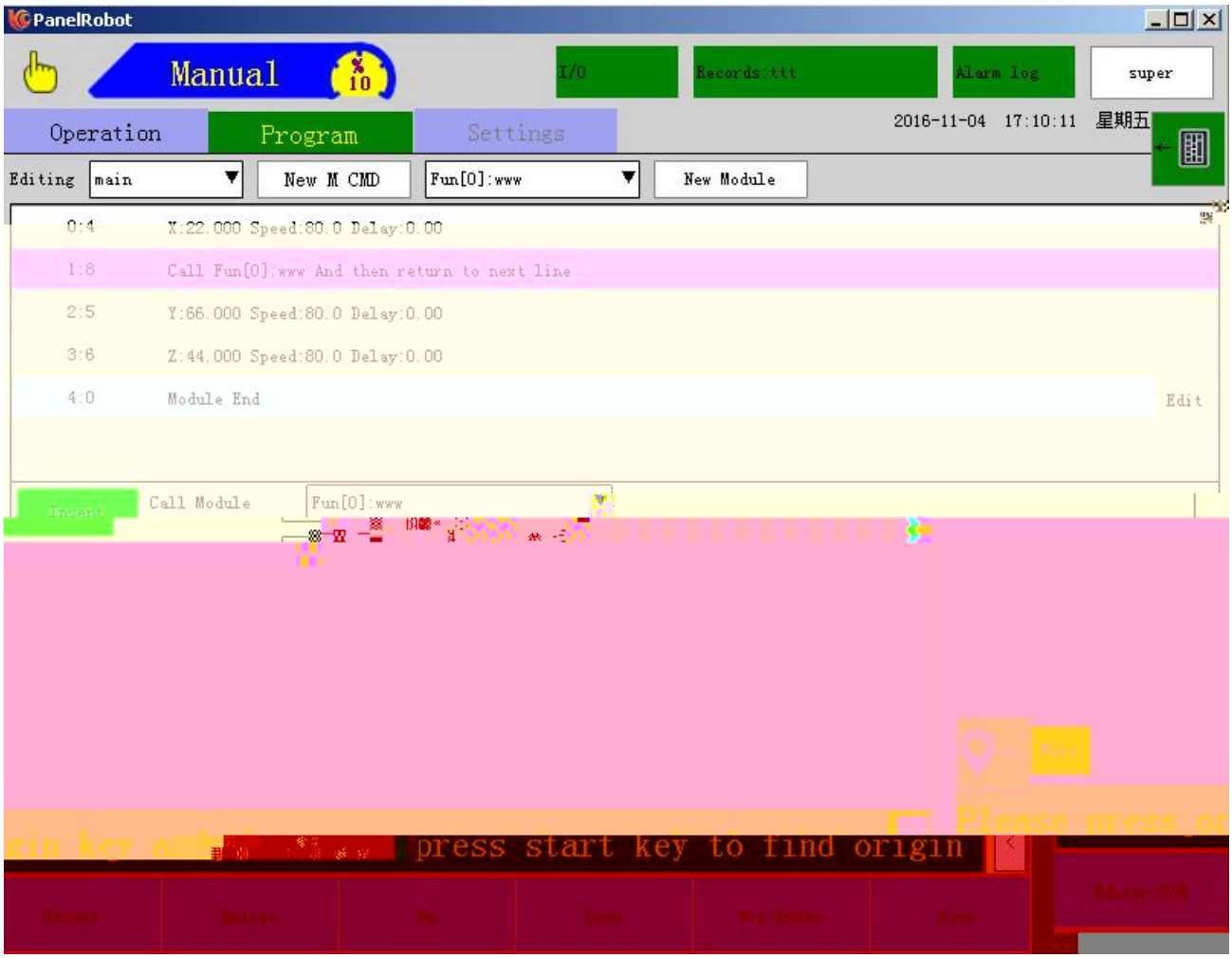

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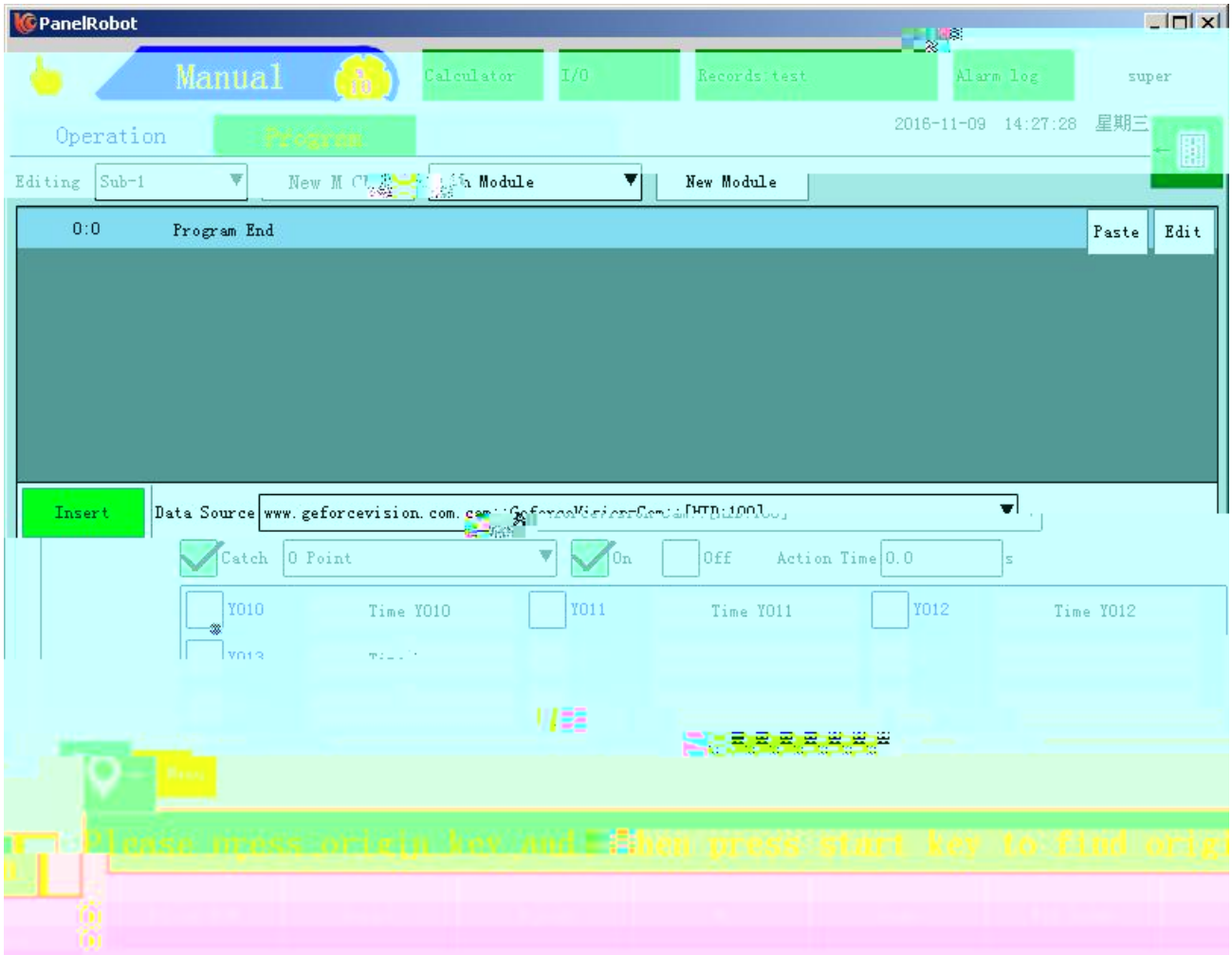
PanelRobot
Manual
Calculator
I/O
Records:test
Alarm log
super
Operation
Program
2016-11-09 14:27:28 星期三
Editing
Sub-1
New Module
0:0
Program End
Paste
Edit
Insert
Data Source
Catch
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On
Off
Action Time
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Time Y010
Y011
Time Y011
Y012
Time Y012

3.2.15Pa h peed

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3.2.16 Da a command

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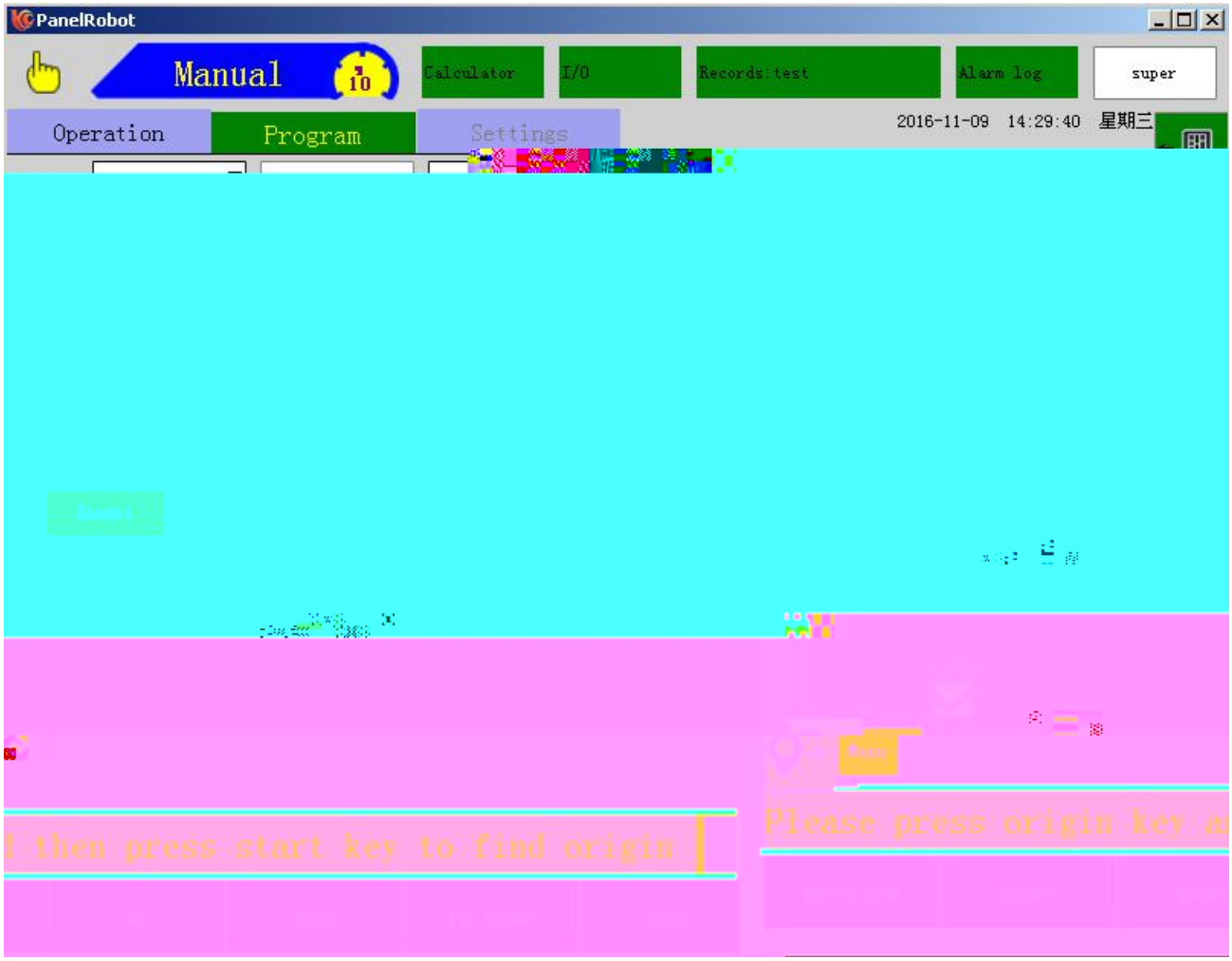

3.2.17O igin

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3.2.18.1 A i pa

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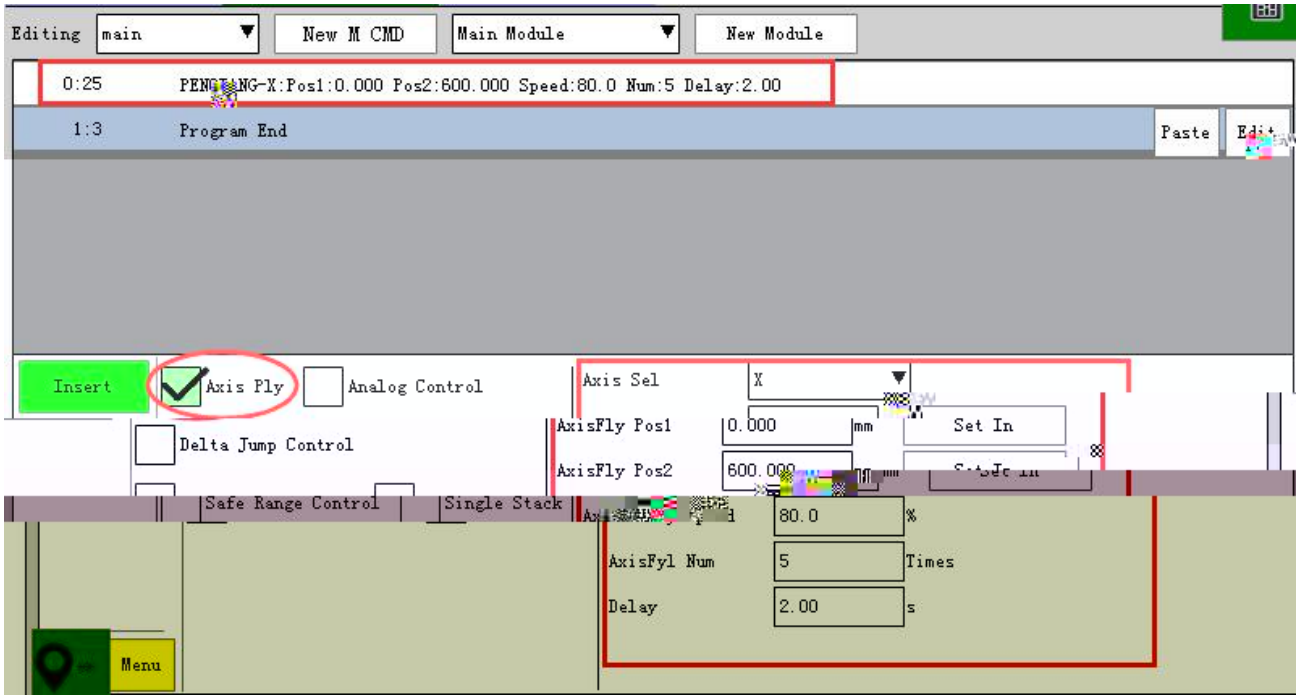

A i Sel (A i elec ion):

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A i Fl Po 1(S a ing po i ion):

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A i Fl Po 2(End po i ion):

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A i Fl Speed: .

A i Fl N m: .

Dela : .

3.2.18.2 Safe Zone

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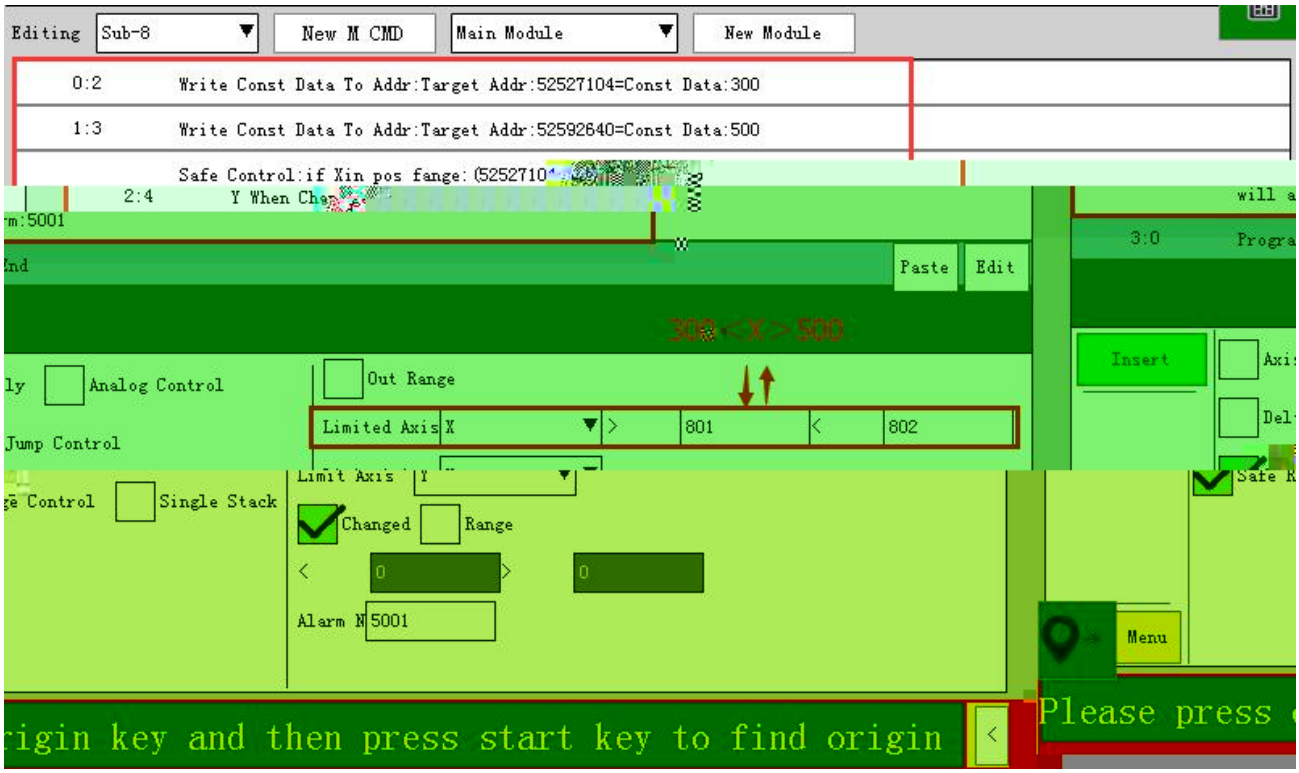

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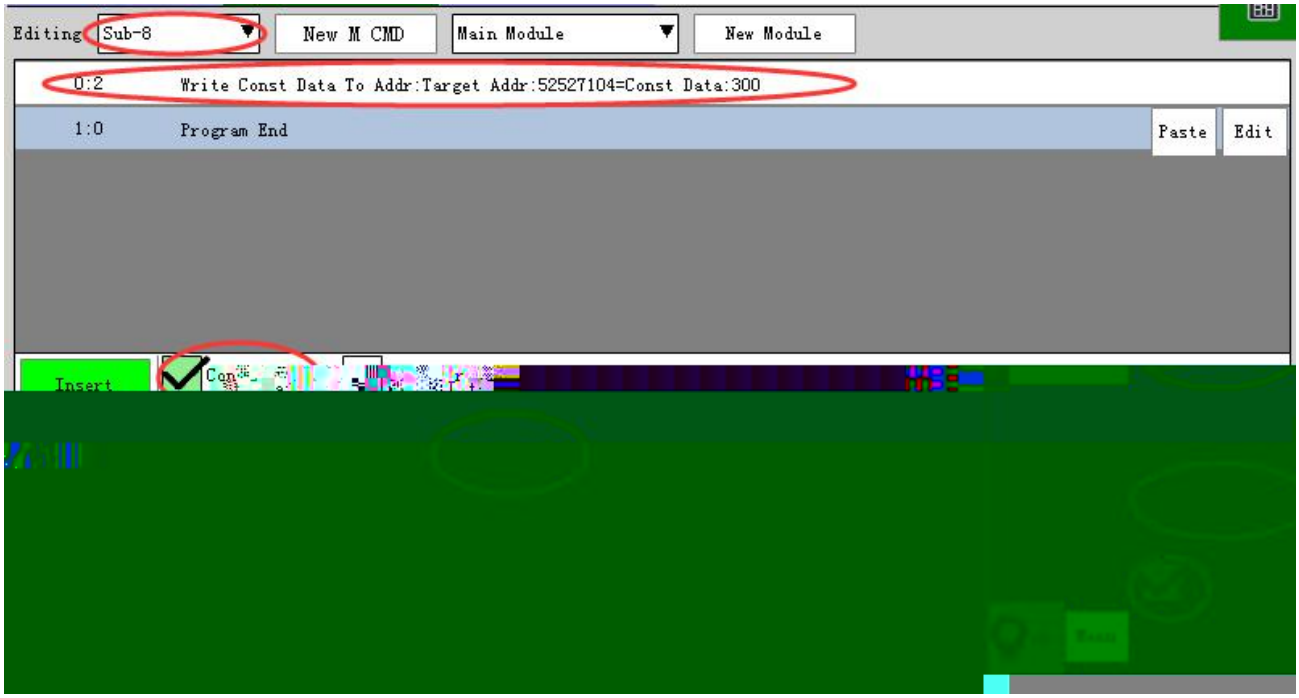
Editing
Sub-8
New M CMD
Main Module
New Module
0:2
Write Const Data To Addr:Target Addr:52527104=Const Data:300
1:0
Program End
Paste
Edit
Insert

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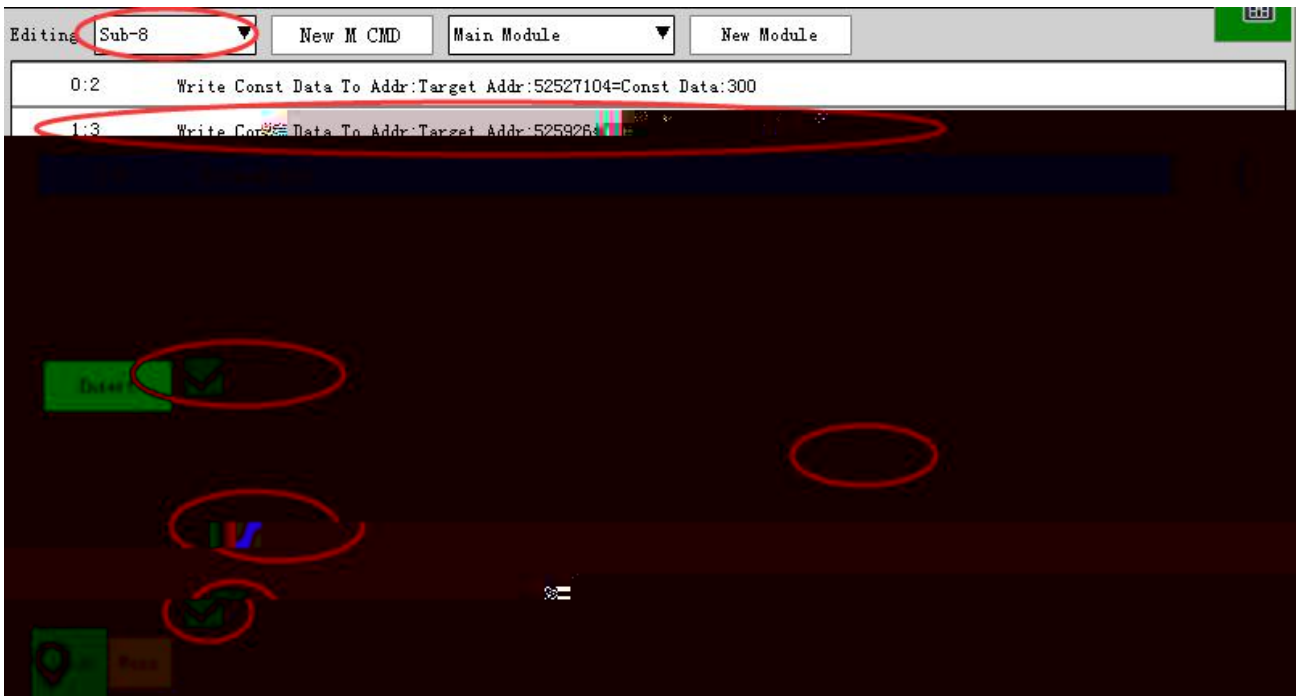
Editing
Sub-8
New M CMD
Main Module
New Module
0:2
Write Const Data To Addr:Target Addr:52527104=Const Data:300

S ep 2: Se he condi ion fo limi ing he a i

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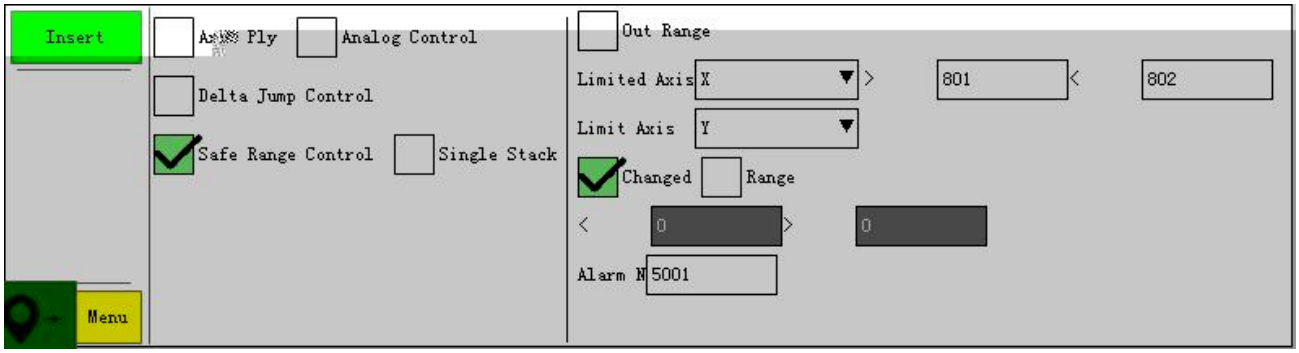
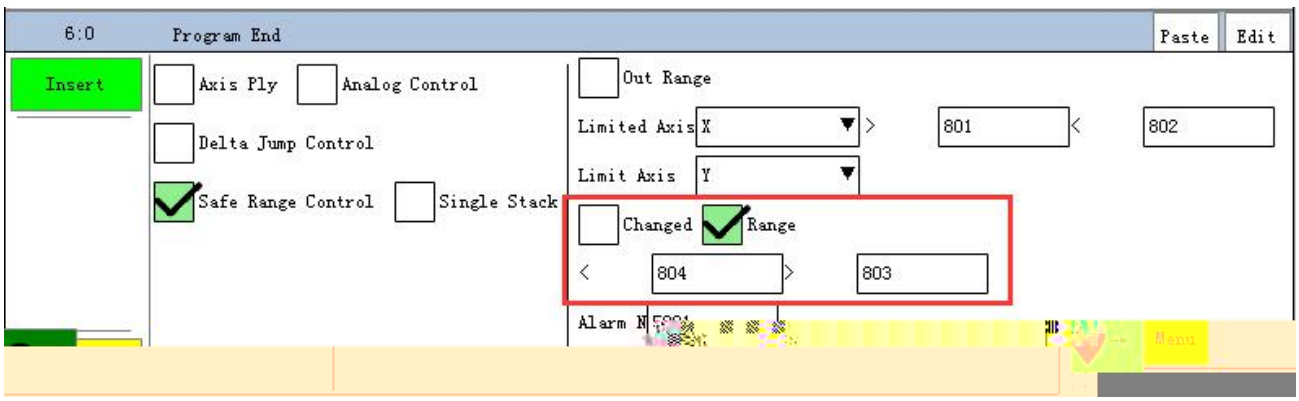


C 2: ( ) 0 100,

"5001".



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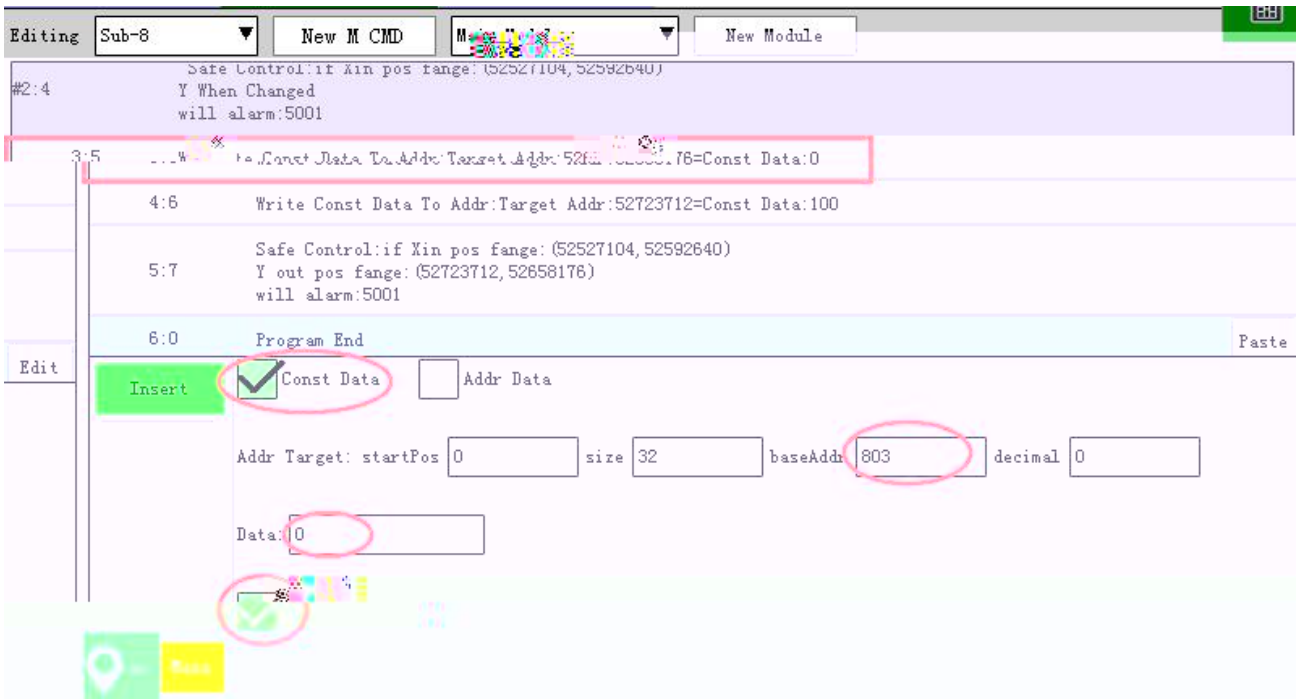
Editing
Sub-8
New M CMD
New Module
#2:4
Y When Changed
will alarm:5001
4:6
Write Const Data To Addr:Target Addr:52723712=Const Data:100
5:7
Safe Control:if Xin pos fange: (52527104, 52592640)
Y out pos fange: (52723712, 52658176)
will alarm:5001
6:0
Program End
Paste
Edit
Insert
Const Data
Addr Data
Addr Target: startPos
0
size
32
baseAddr
803
decimal
0
Data:
0

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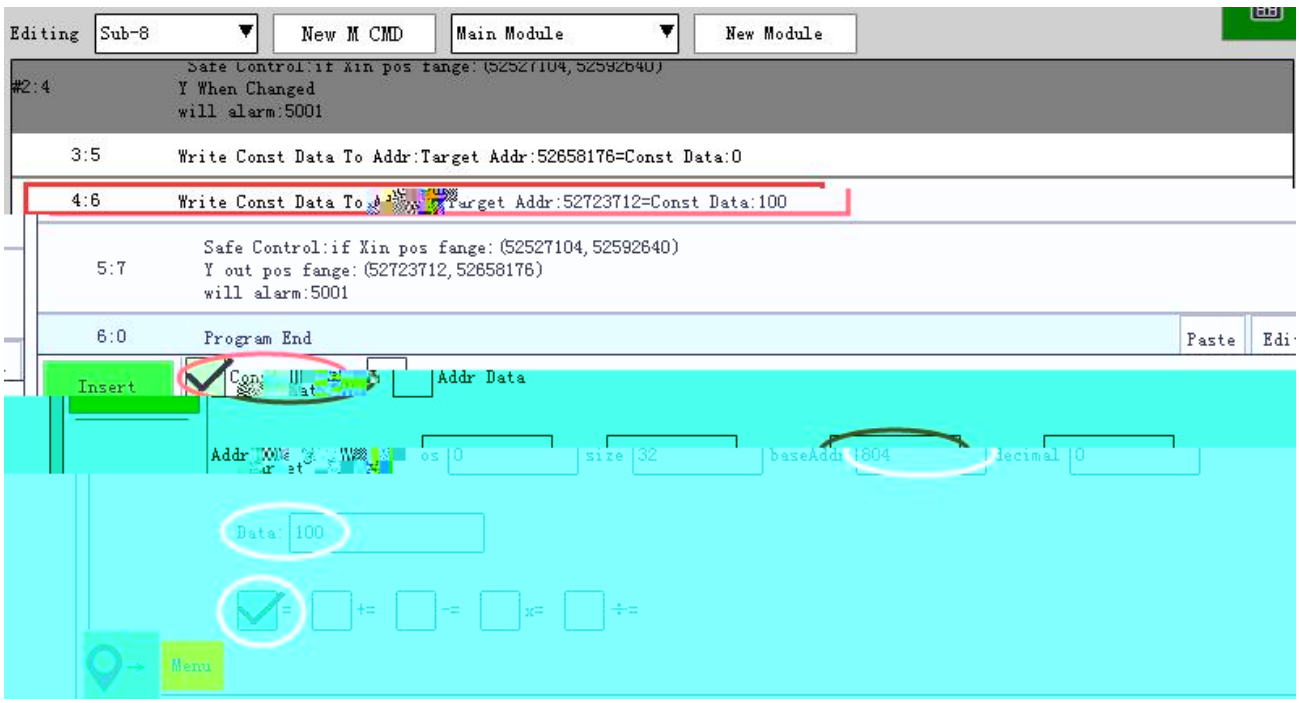
Editing
Sub-8
New M CMD
Main Module
New Module
#2:4
Y When Changed
will alarm:5001
3:5
Write Const Data To Addr:Target Addr:52658176=Const Data:0
4:6
5:7
Safe Control:if Xin pos fange: (52527104, 52592640)
Y out pos fange: (52723712, 52658176)
will alarm:5001
6:0
Program End
Paste
Insert
Addr Data
size
32
Data:
100
Menu

3.2.18.3 Single S ack

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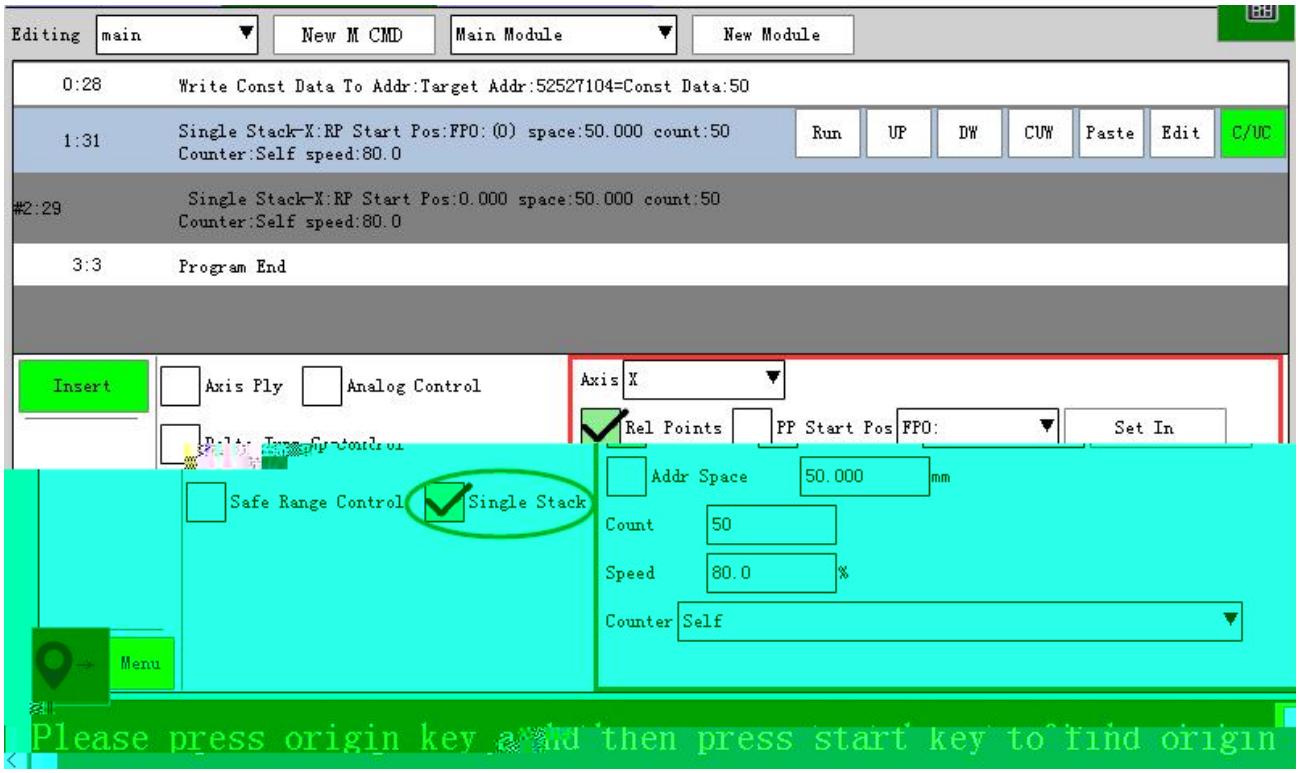

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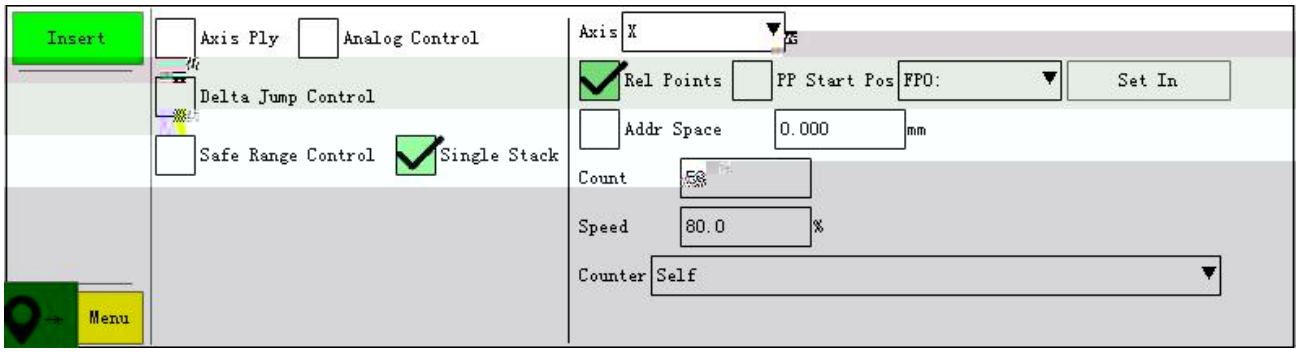

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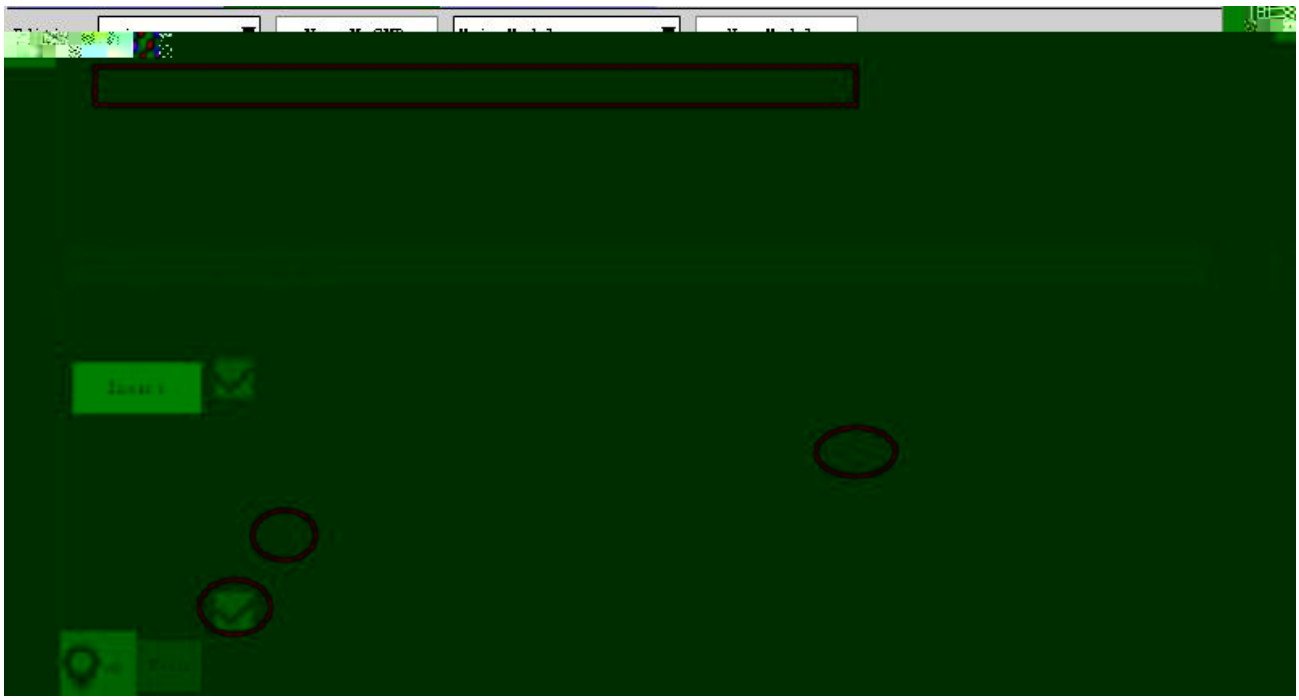

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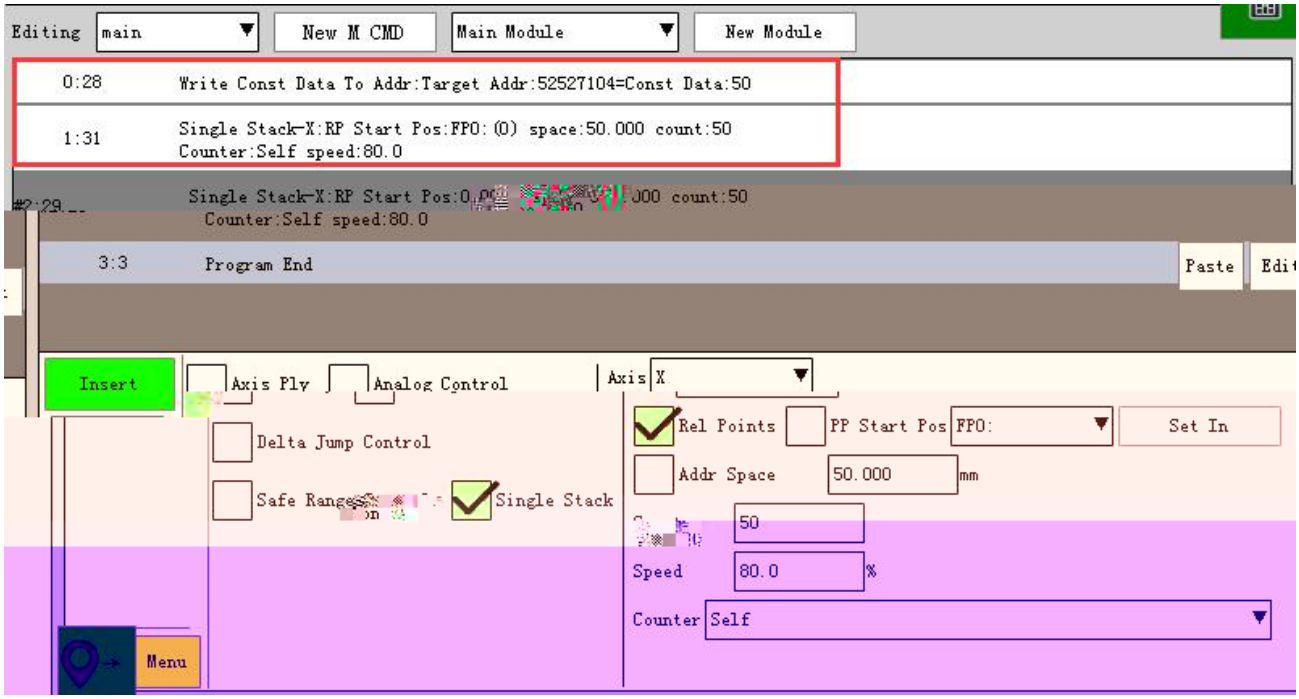
Editing
main
New M CMD
Main Module
New Module
0:28
Write Const Data To Addr:Target Addr:52527104=Const Data:50
1:31
Single Stack-X:RP Start Pos:FP0: (0) space:50.000 count:50
Counter:Self speed:80.0
Single Stack-X:RP Start Pos:0
Counter:Self speed:80.0
3:3
Program End
Paste
Insert
Axis Ply
Analog Control
Axis X
Delta Jump Control
Rel Points
PP Start Pos
FP0:
Set In
Addr Space
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Single Stack
50
Speed
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3.3 Man al ope a ion

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3.3.2 P og ammable Ke (Ne M CMD)

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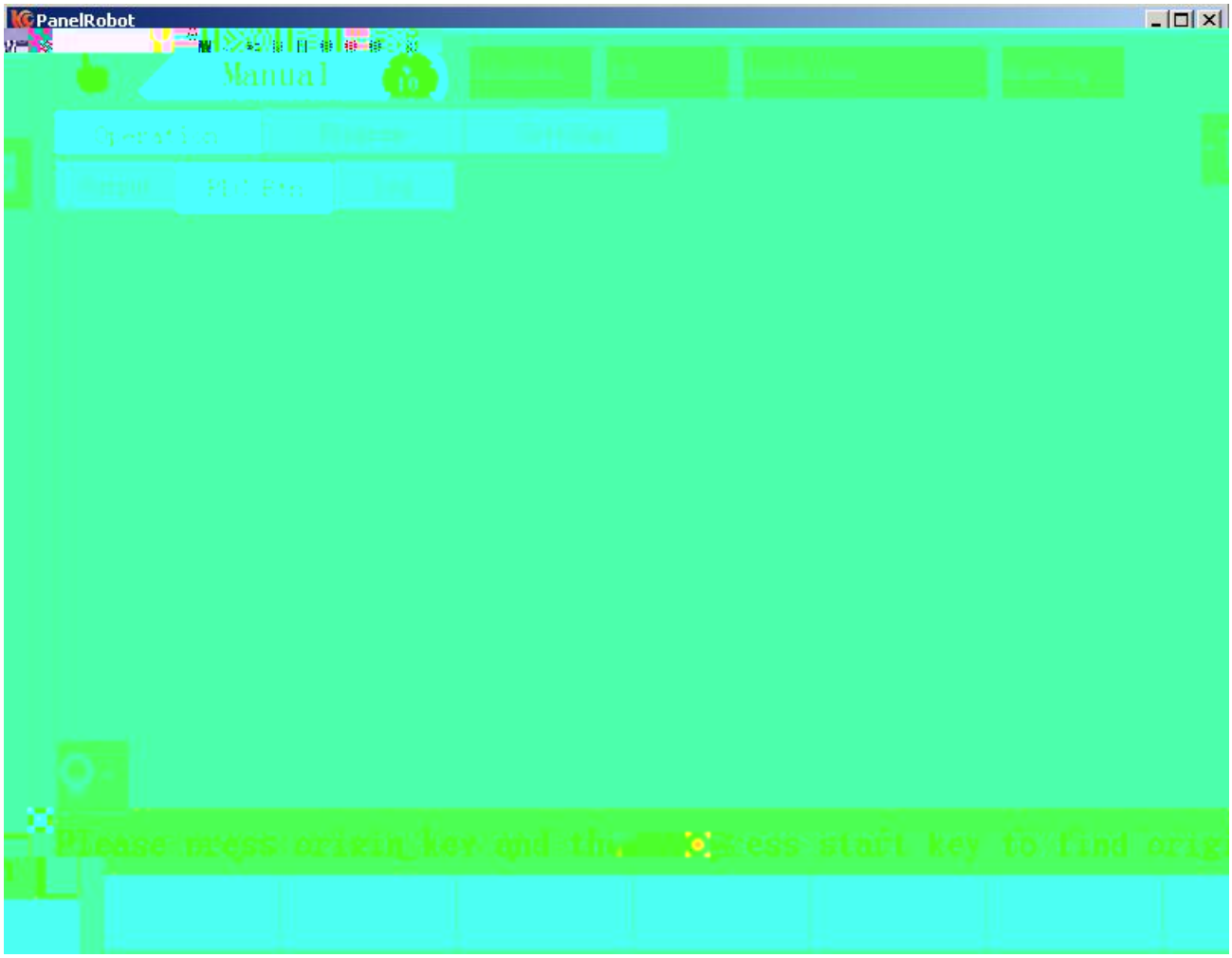

4 S op a e

4.1.1 P od c e ing

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4.2.1 Ope a ing pa ame e

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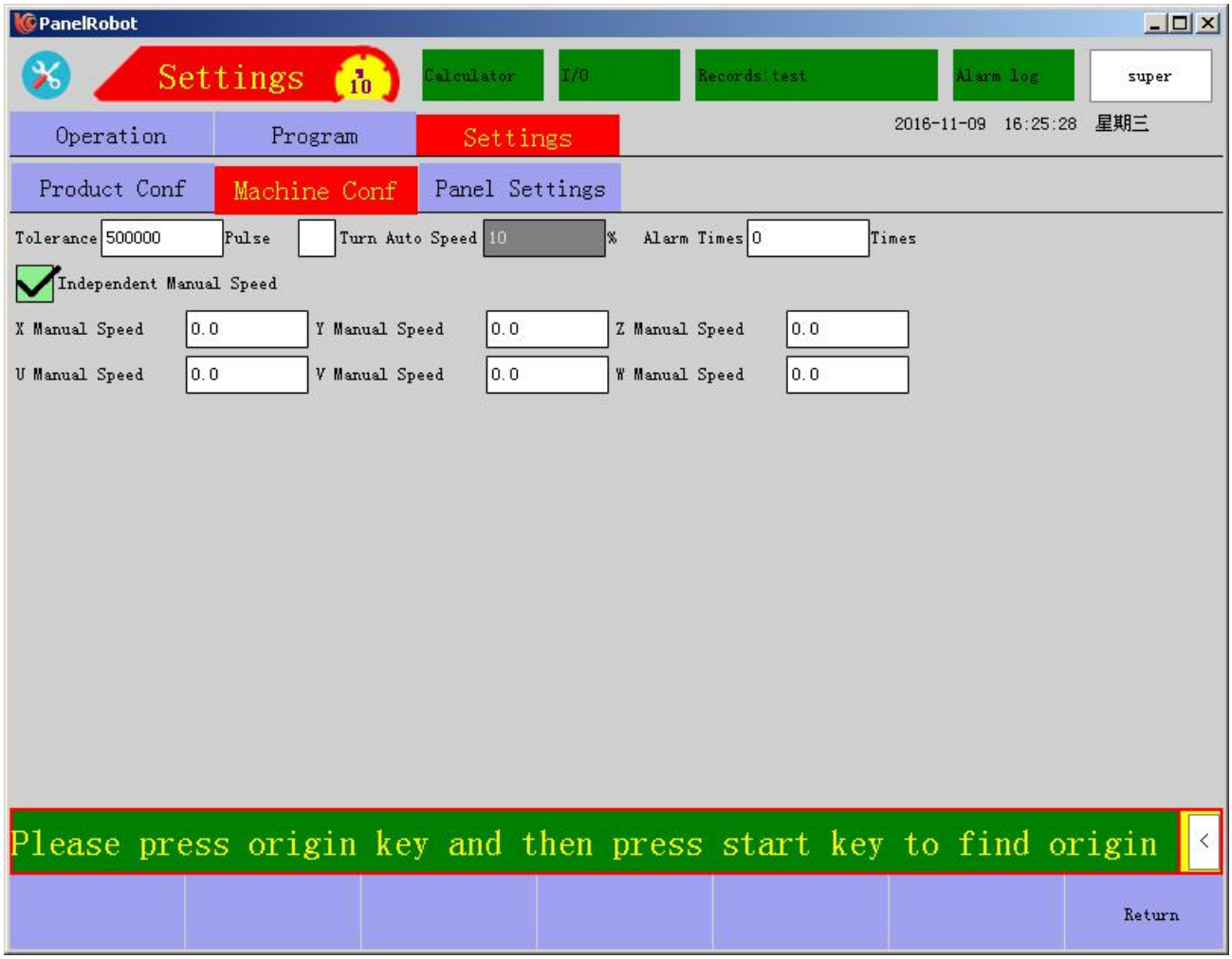

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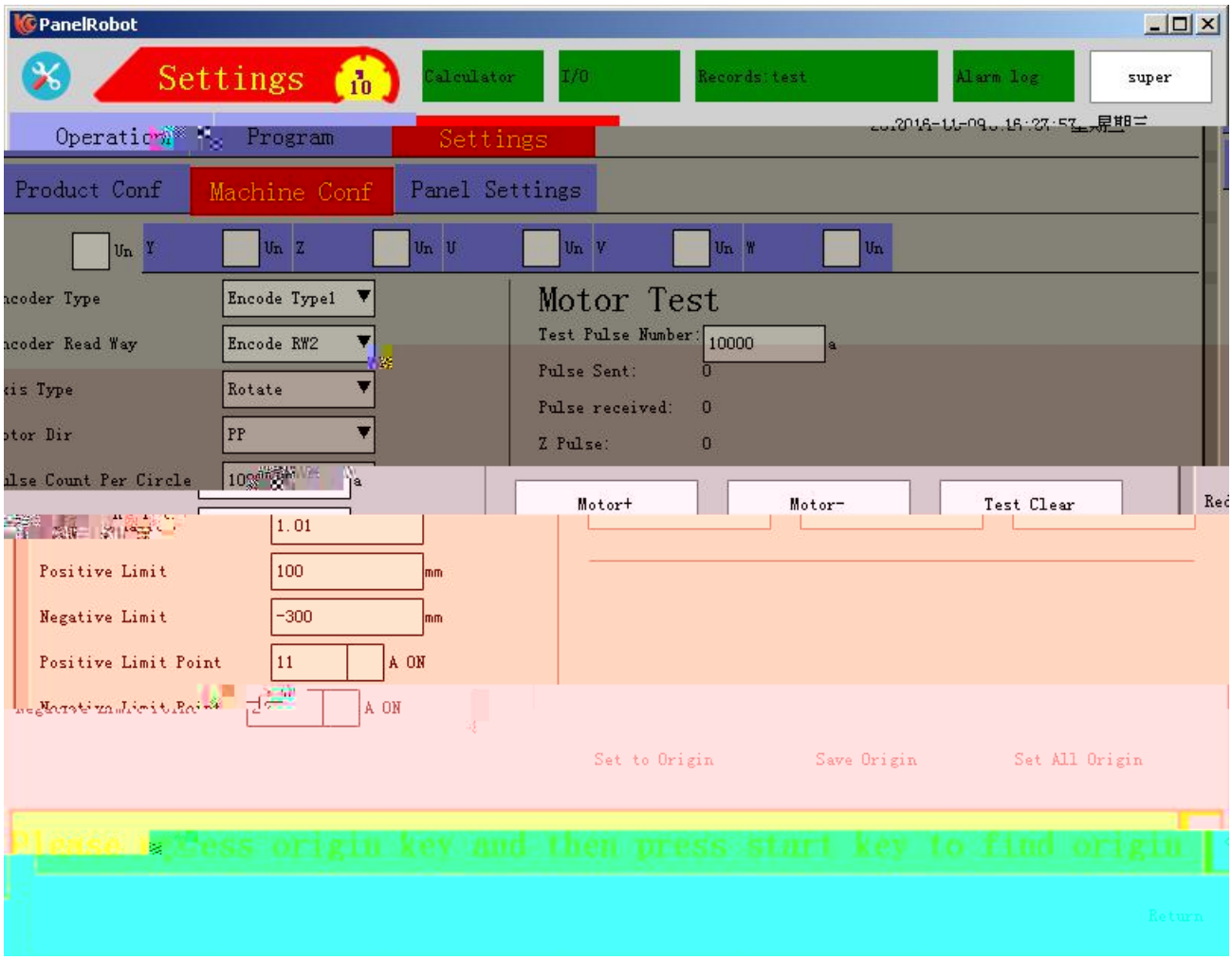

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Mo o Di : .

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Nega i e limi : .

Value	Input	Value	Input	Value	Input	Value	Input
0	Not use						
1	X10	9	X20	17	X30	25	X40
2	X11	10	X21	18	X31	26	X41
3	X12	11	X22	19	X32	27	X42
4	X13	12	X23	20	X33	28	X43
5	X14	13	X24	21	X34	29	X44
6	X15	14	X25	22	X35	30	X45
7	X16	15	X26	23	X36	31	X46
8	X17	16	X27	24	X37	32	X47

Nega i e limi poin : .

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Value	Input	Value	Input	Value	Input	Value	Input
0	Not use						
1	X10	9	X20	17	X30	25	X40
2	X11	10	X21	18	X31	26	X41
3	X12	11	X22	19	X32	27	X42
4	X13	12	X23	20	X33	28	X43
5	X14	13	X24	21	X34	29	X44
6	X15	14	X25	22	X35	30	X45
7	X16	15	X26	23	X36	31	X46
8	X17	16	X27	24	X37	32	X47

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4.2.3 S c al pa ame e

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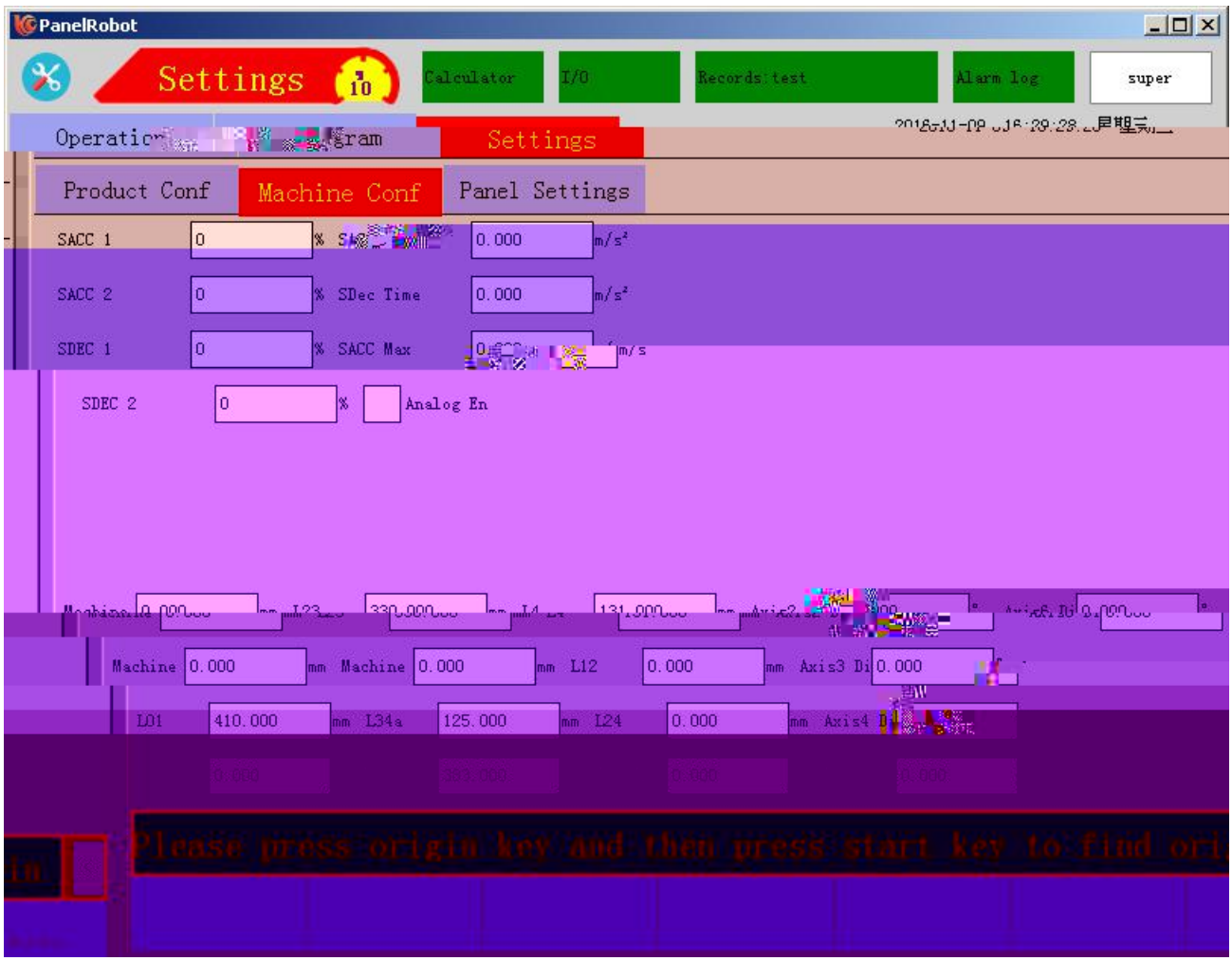

4.3S c al pa ame e

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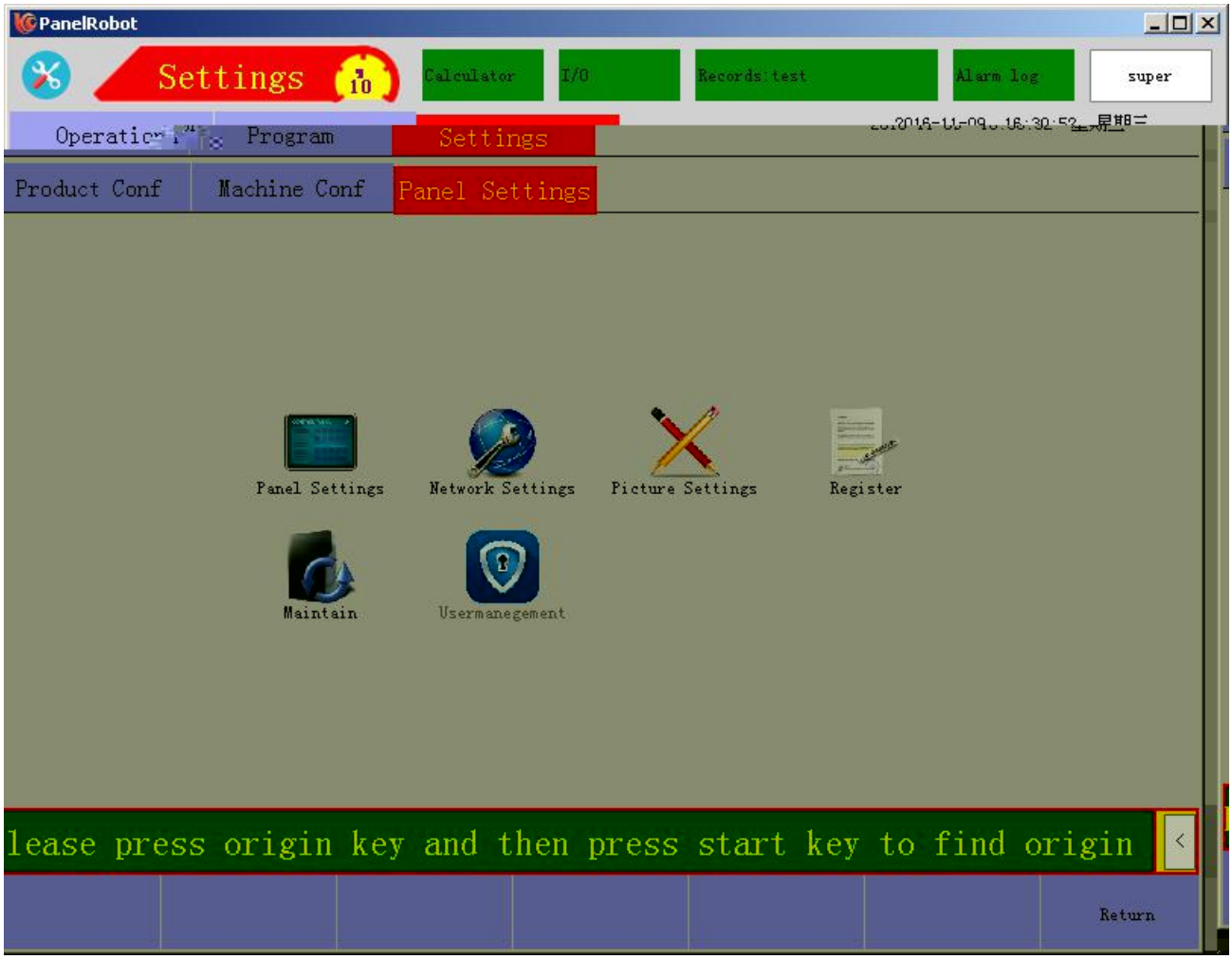

4.3.1Man al e ing

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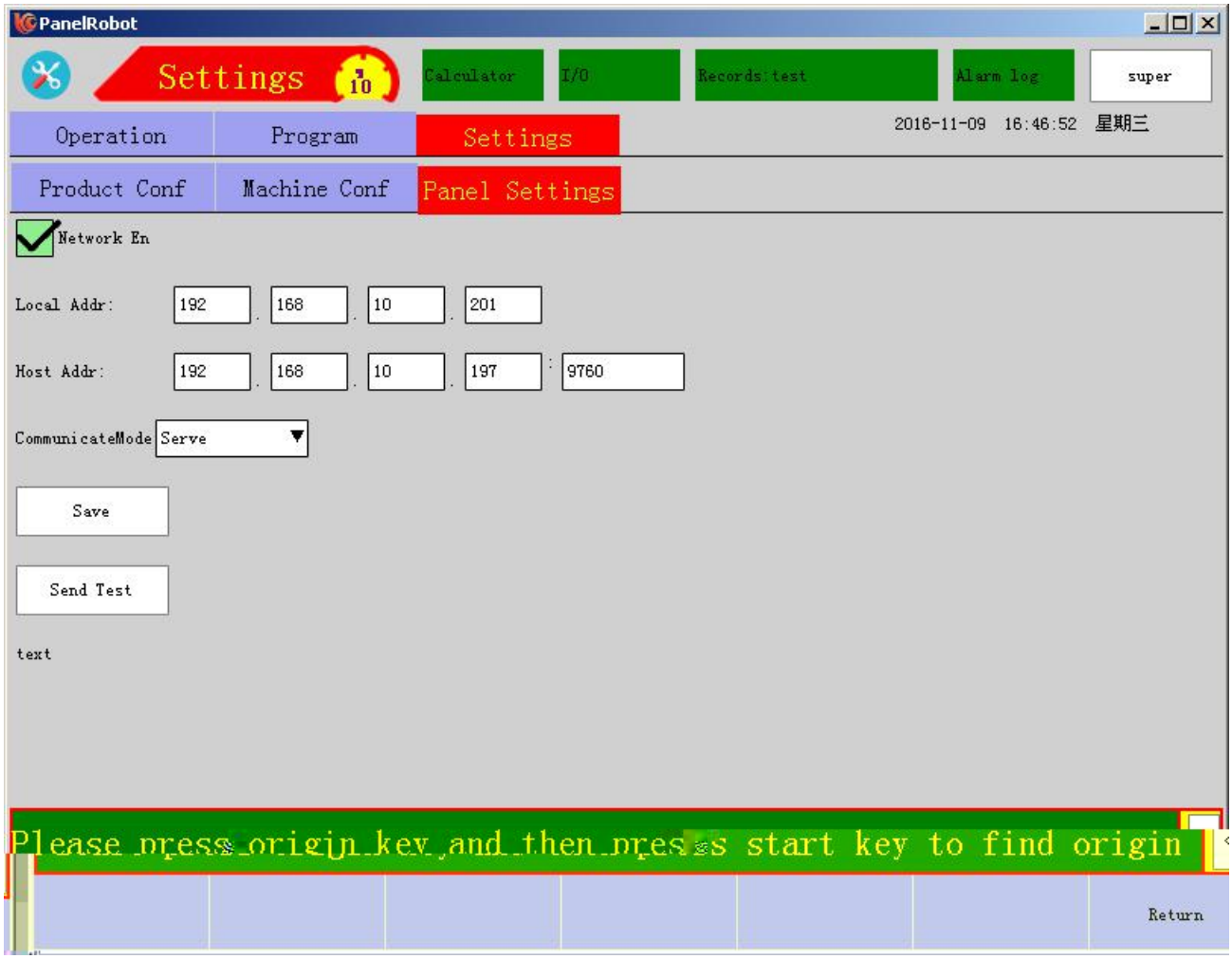

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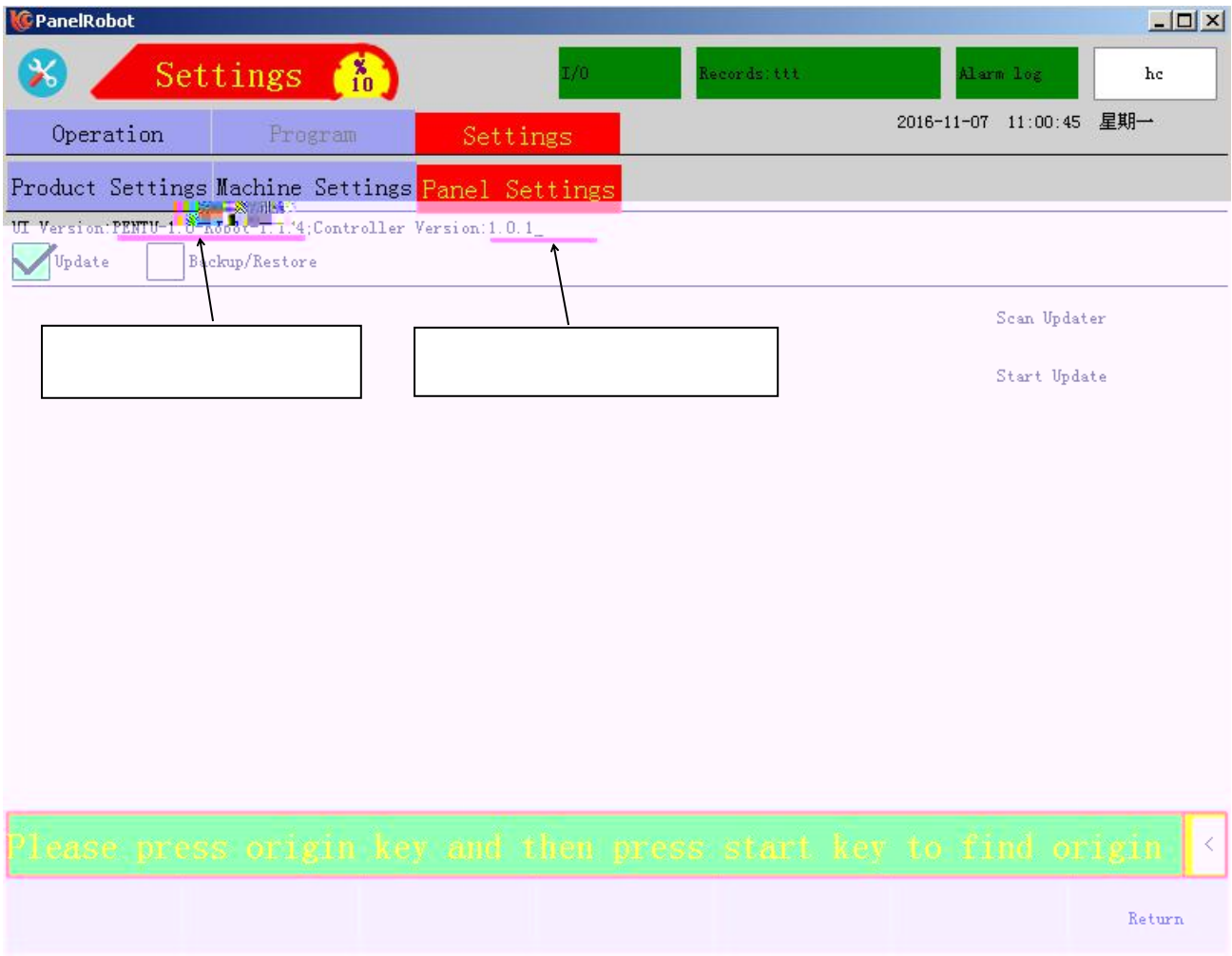

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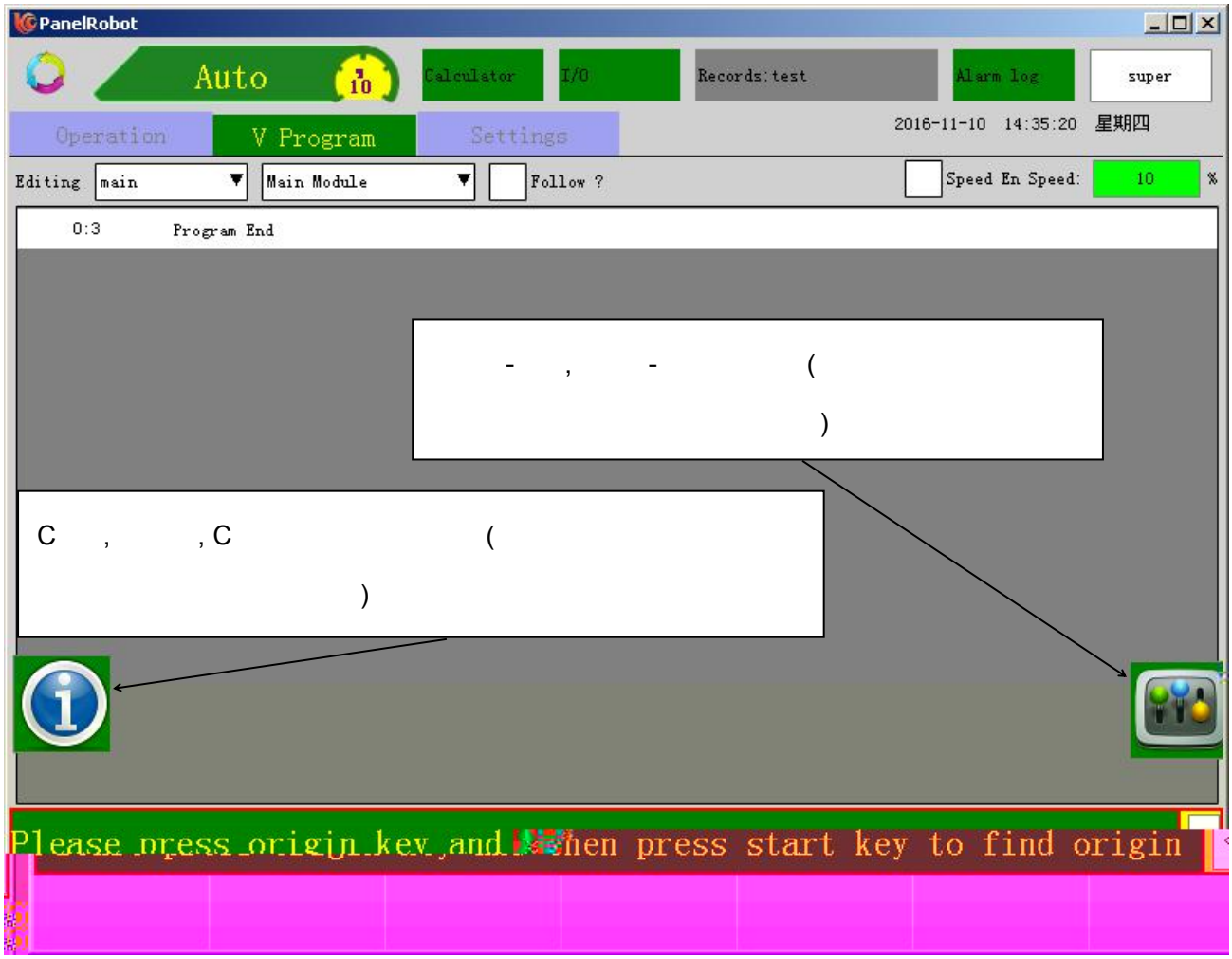

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C D B : C

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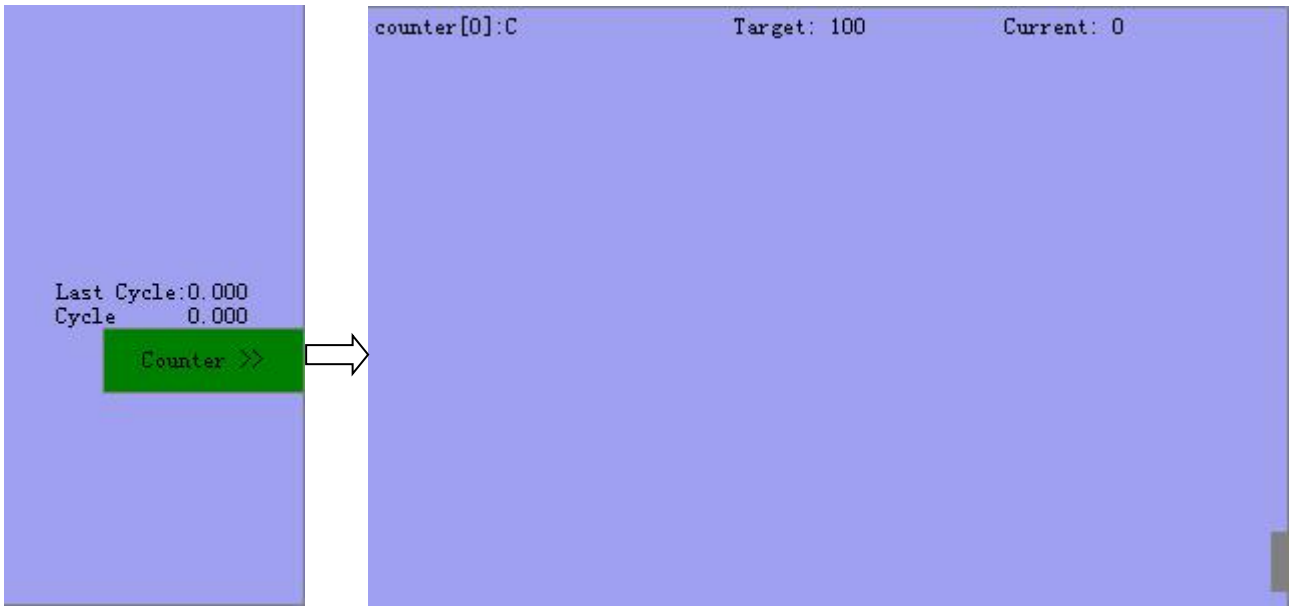
Last Cycle:0.000
Cycle 0.000
Counter >>
counter[0]:C
Target: 100
Current: 0

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E 6		

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E 11		
E 12		
E 13	/	
E 14	FLA H	FLA H
E 15	I	1, 2, I
E 16		
E 17		

E 18		
E 19		
E 20	I 2	1, . 2, I .
E 21	I 3	1 , . 2, I .
E 22	I 4	1, . 2, I .
E 23		
E 24	F GA	
E 90	1	1, ;

E 91	2	1, ;
E 92	3	1, ;
E 93	4	1, ;
E 94	5	1, ;

E 95	6	1, ;
E 96	7	1, ;
E 97	8	
E 100	1	1,

E 101	2	1, 2, 3,
E 102	3	1, 2 , 3 ,
E 103	4	1, 2, 3

E 104	5	1, 2, 3 ,
E 105	6	1, 2 , 3 ,
E 106	7	1, 2 , 3,

E 107	8	1, 2 , 3,
E 110	1	
E 111	2	
E 112	3	
E 113	4	
E 114	5	
E 115	6	
E 116	7	
E 117	8	

E 120	1	1 ,
E 121	2	
E 122	3	
E 123	4	
E 124	5	
E 125	6	
E 126	7	
E 127	8	
E 130	1	1, 2,

E 131	2	1 , 2 ,
E 132	3	1 , 2 ,
E 133	4	1, 2 ,

E 134	5	1 , 2 ,
E 135	6	1, 2 ,
E 136	7	1 , 2 ,

E 137	8	1, 2 ,
E 140	1	1, 2 ,
E 141	2	1 2 ,

E 142	3	1 , 2 ,
E 143	4	1 , 2 ,
E 144	5	1 , 2 ,

E 145	6	1, 2 ,
E 146	7	1 , 2 ,
E 147	8	1, 2 ,

E 150	1	-> , 1 , 2 ,
E 151	2	-> , 1 , 2 ,

E 152	3	-> , 1 , 2 ,
E 153	4	-> , 1 , 2 ,

E 154	5	-> , 1 , 2 ,
E 155	6	-> , 1 , 2 ,
E 156	7	-> ,

E 157	8	-> , 1, 2,
E 160	1	1
E 161	2	1
E 162	3	1
E 163	4	1

E 164	5	1
E 165	6	1
E 166	7	1
E 167	8	1
E 170	1	1, 2, 3 ,

E 171	2	1, 2 , 3,
E 172	3	1, 2, 3,
E 173	4	1, 2 , 3,

E 174	5	1, 2 , 3,
E 175	6	1, 2 , 3,
E 176	7	1, 2, 3,

E 178	8	1, 2, 3,
E 180	1	1 , 2, 3,
E 181	2	1, 2, 3,

E 182	3	1, 2, 3,
E 183	4	1, 2, 3,
E 184	5	1, 2, 3,

1,

6

E 185

2 ,

E 190	1	
E 191	2	
E 192	3	
E 193	4	
E 194	5	

E 195	6	
E 196	7	
E 197	8	
E 200		
E 201		
E 202		

E 203

E 204

E 205

E 206

E 207

E 208

E 209

E 210

E 211

E 212

E 213

E 214

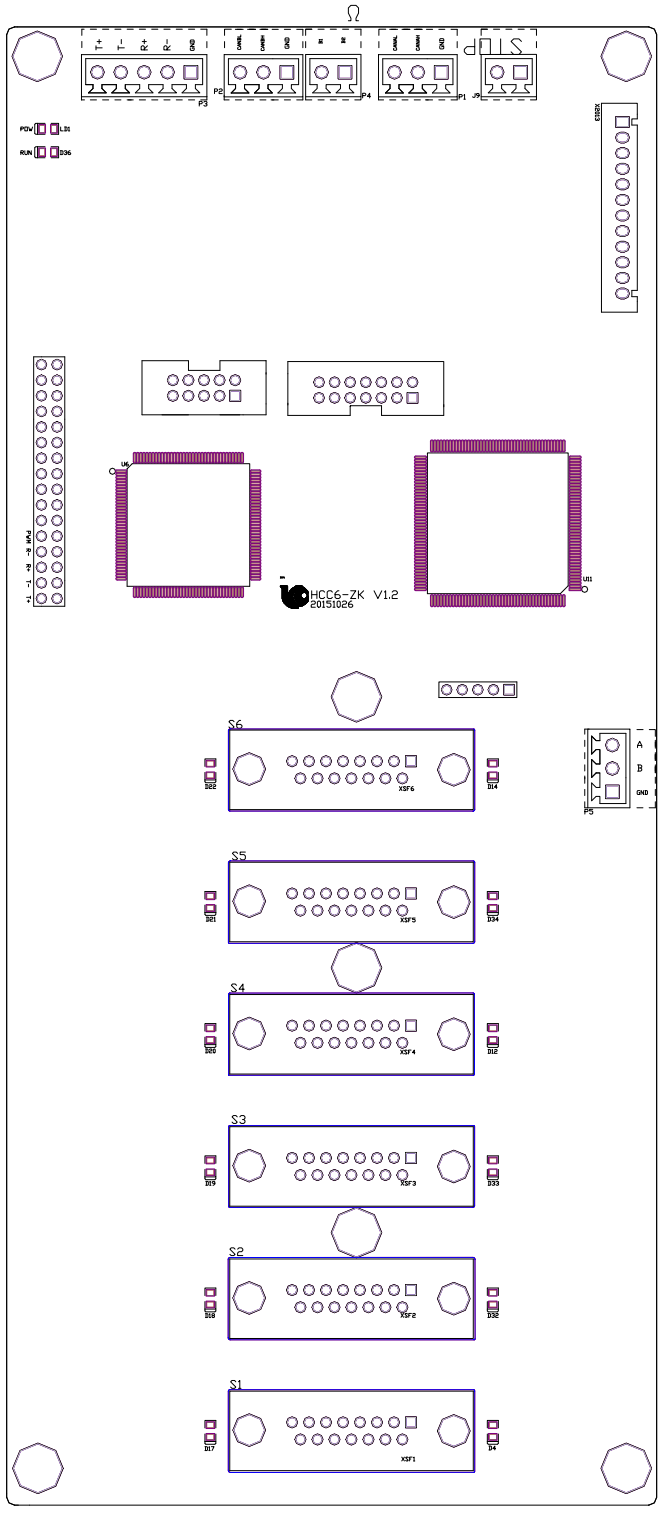
E 215		
E 216		
E 217		
E 218		
E 219		1 0 2
E 220		
E 221		1
E 222		1 2
E 223		

E 300		
E 500	1	
E 501	2	
E 502	3	
E 503	4	
E 504	5	
E 505	6	
E 506	7	
E 507	8	
E 510	1	
E 511	2	
E 512	3	
E 513	4	
E 514	5	
E 515	6	
E 516	7	
E 517	8	
E 520	1	
E 521	2	
E 522	3	
E 523	4	
E 524	5	
E 525	6	
E 526	7	
E 527	8	
E 530	1	

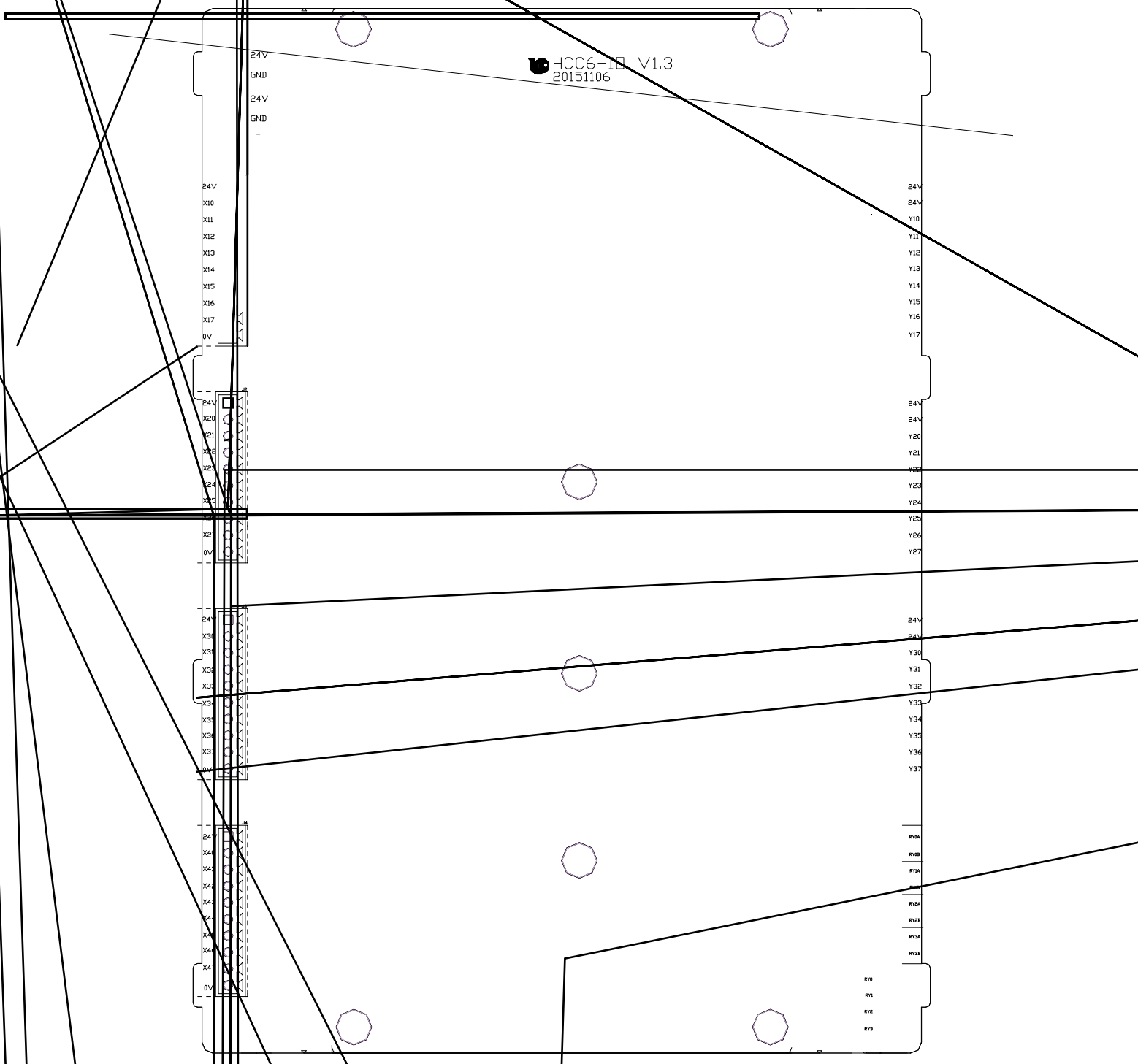
E 531	2	
E 532	3	
E 533	4	
E 534	5	
E 535	6	
E 536	7	
E 537	8	
E 2048	I	
E 4095	I 3583	
E 5000		
E 1000 0		

7 Boa d Po Defini ion

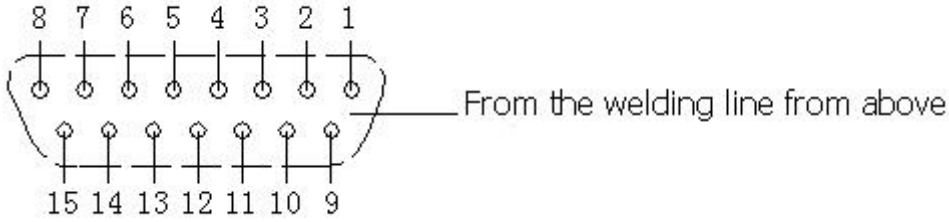
7.1 Main con ol boa d e ial po defini ion



7.2 Po defini ion fo he l / O boa d



7.3 Se o d i e in e face defini ion



I		I	
1	+24	9	0
2	A+	10	+
3	A-	11	-
4	B+	12	B AKE
5	B-	13	+
6	+	14	-
7	-	15	AL
8			

8 Wi ing diag am

8.1 The e o connec ion and pa ame e e ing

C
,
, 500K ,
.

8.2 E ample Pana onic e o mo o ed

A5

C		
0.01	C	0
0.07	C	1
0.08		10000
0.11		2500

Pana onic A5 Se o d i e i ing

C			(A5)		
I			I		
10	+	F	3	L 1	C 1
11	-		4	L 2	
13	+		5	IG 1	C 2
14	-		6	IG 2	
2	A+	A F	21	A+	A
3	A-		22	A-	
4	B+	B F	48	B+	B
5	B-		49	B-	
6	+	F	23	+	
7	-		24	-	
1	+24	+24	7	C +	E +
9	0	24	41	C -	E -
			36	AL -	-
			10	B K FF-	-
15	AL	-	37	AL +	+
8			29	-	
L (0)			11	B K FF+	+

8.3 U ing Mi bi hi e o mo o eco d

Mi bi hi MR-E Se o d i e pa ame e

(131072 /)

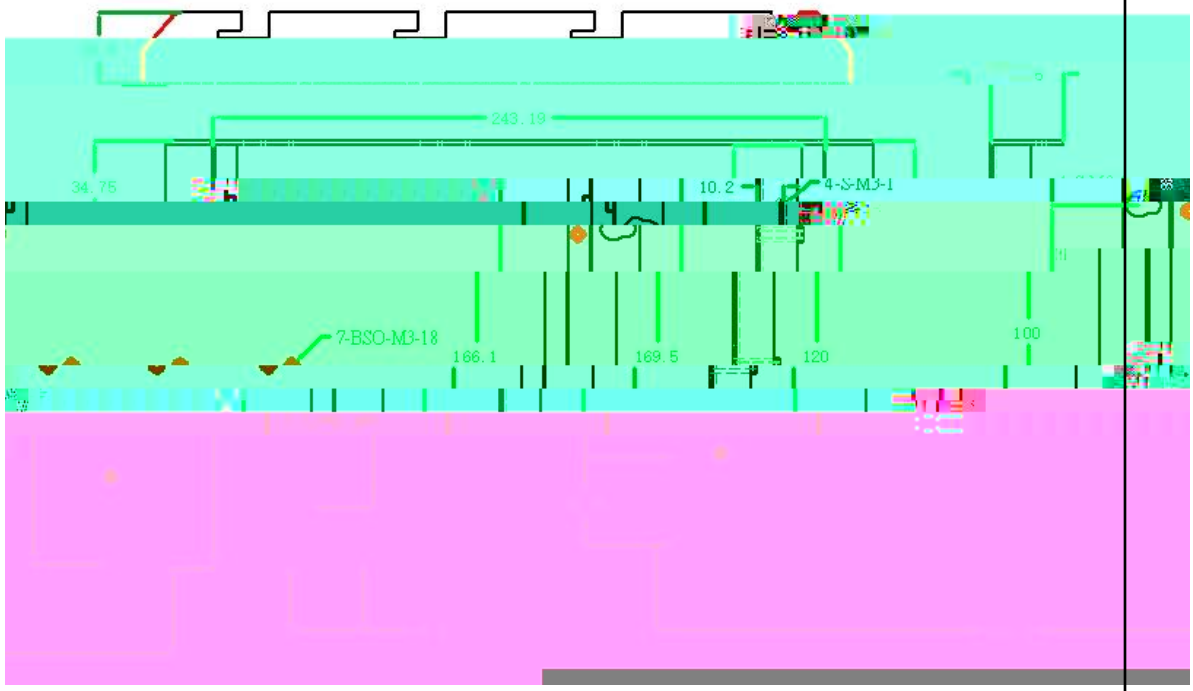
C		
.0	C	0
.1	F 1 (C 1-12)	0012
.3	E	14
.4	E	1
.21	C	0000
.27	E	14
.54	F 9 ( )	1***

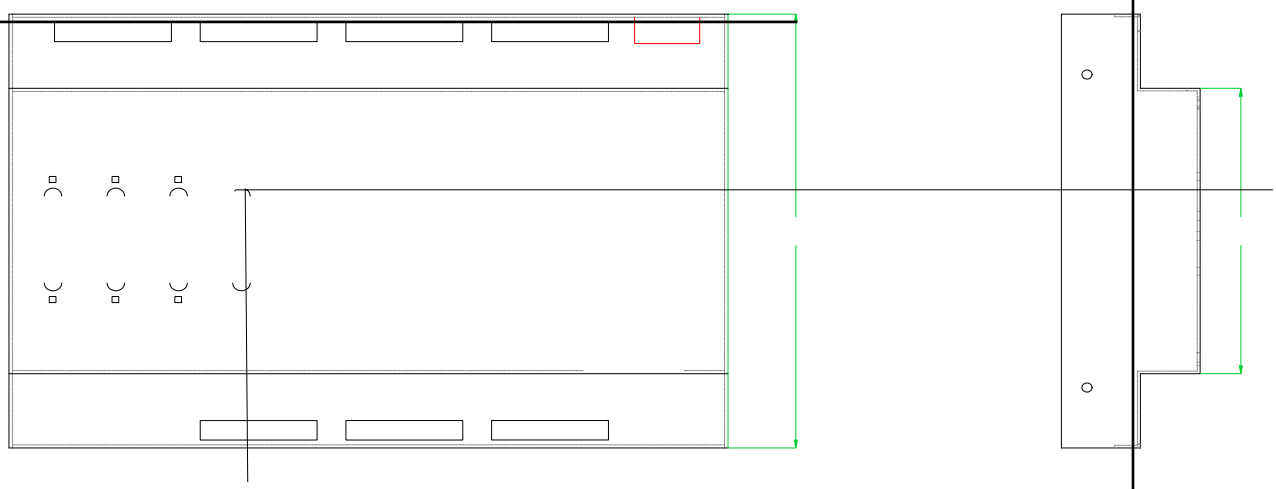
Mi bi hi MR-E Se o d i e i ing

C			-E		
I			I		
10	+	F	23		C 1
11	-		22	G	
13	+		25		C 2
14	-		24	G	
2	A+	A F	15	LA	A
3	A-		16	LA	
4	B+	B F	17	LB	B
5	B-		18	LB	
6	+	F	19	L	
7	-		20	L	
1	+24	+24	1	I	E DC24 +
9	0	24	13	G	E DC24 -
15	AL	-	9	AL	F
8			4		
L (0)			12	B	E
C 1 : 6 (L) 7(L) 8(E G) A 13 (G)					

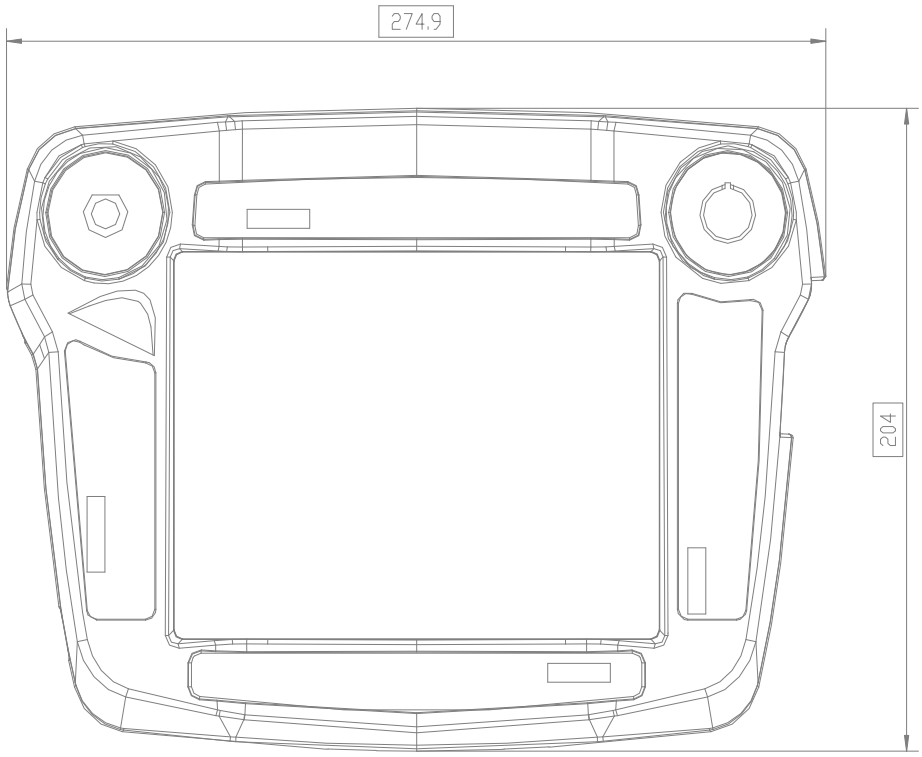
9 Si e cha

9.1 Boa d me al ca e i e

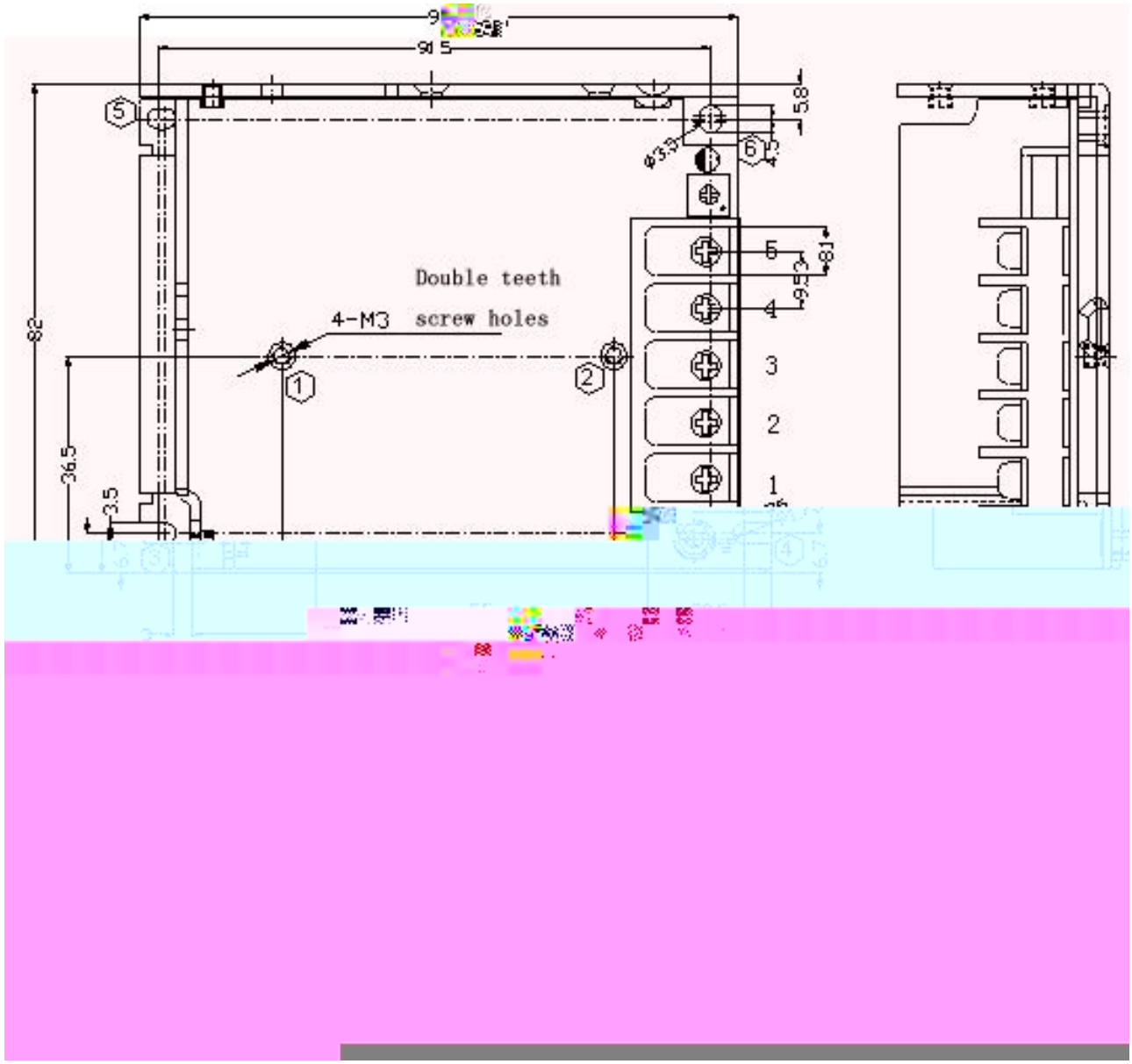




9.2 Hand con olle



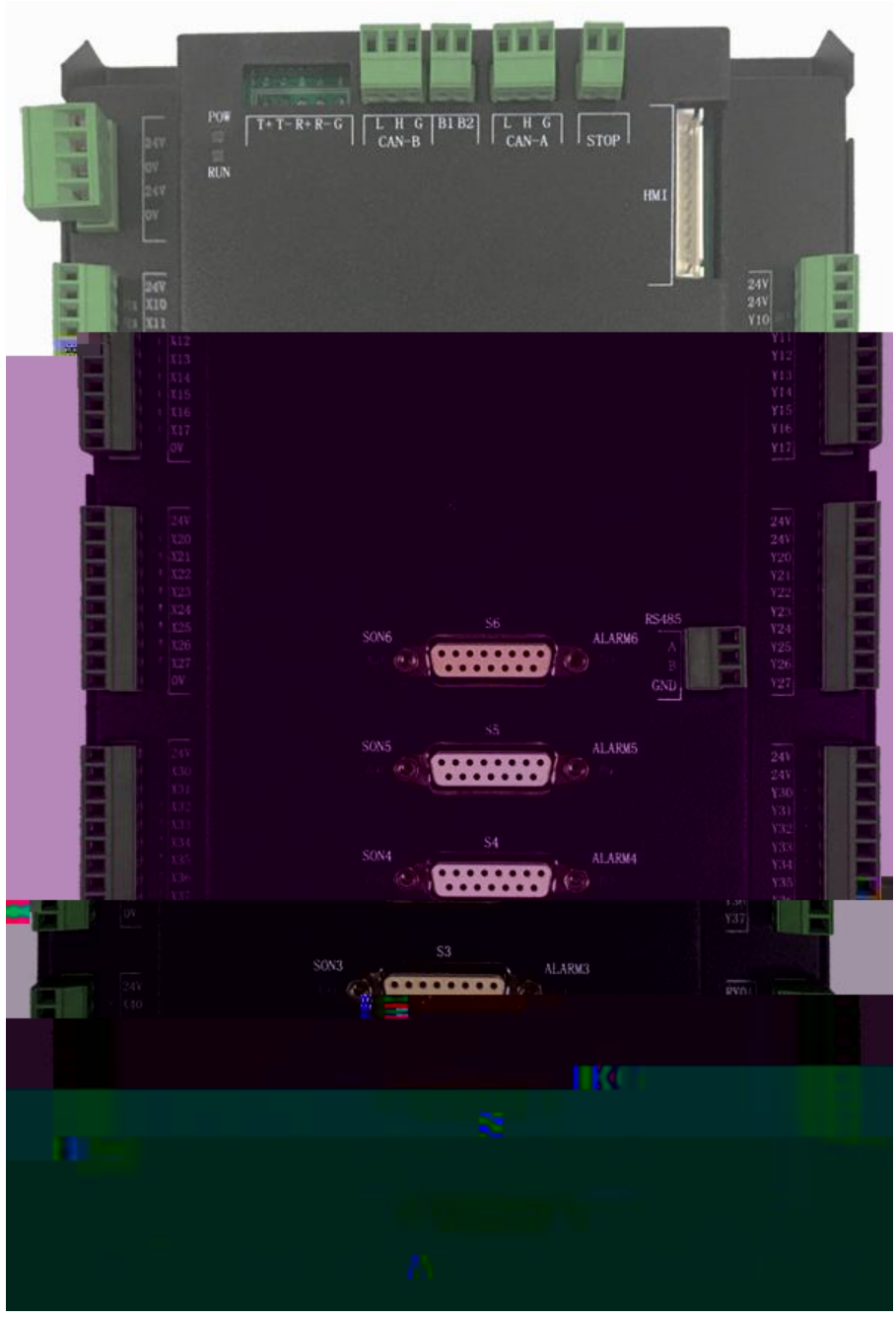
9.3 S i ching po e pplie in alla ion dimen ion



The in alla ion po i ion	in alla ion	In all a no.	Sc e pecifica ion	Lma	In all o q e
Floo in alla ion	c e	①-②	3	4	6.5K . ( )
		-	3	4	
The ide	c e	-	3	4	6.5K . ( )
		-	3	4	

Anne 1

Mo he boa d appea ance



Thi p od c i imp o ed a he ame ime , info ma ion ma be bjec o change , i ho p io no ice.