

S6 V3.0



S e e H a c e g l d a C C L d

1	.....	4
1.1	.....	4
1.2	.....	4
2	.....	5
2.1	.....	5
2.2	.....	5
2.2.1	.....	5
2.2.2	.....	6
2.2.3	.....	6
2.2.4	.....	8
2.3	.....	9
2.3.1	.....	9
2.4	.....	11
2.4.1	.....	11
3	.....	12
3.1	.....	13
3.1.1	.....	15
3.1.2	.....	17
3.1.2.1	.....	18
3.1.2.2	.....	28
3.1.2.3	.....	29
3.1.2.4	.....	32
3.1.2.5	.....	33
3.1.2.6	.....	34
3.1.2.7	.....	37
3.1.2.8	.....	38

3.1.2.9	39
3.1.2.10	40
3.1.2.11	41
3.1.2.12	57
3.1.2.13	58
3.1.2.14	59
3.1.2.15	60
3.1.2.16	61
3.1.2.17	62
3.1.2.18	63
3.2	64
3.2.1	64
3.2.2	65
4	66
4.1	66
4.1.1	67
4.1.2	68
4.2	69
4.2.1	70
4.2.2	71
4.2.3	73
4.3	75
4.3.1	76
4.3.2	77
4.3.3	78
4.3.4	79
4.3.5	84
4.3.6	85

5	.....	87
6	.....	90
7	.....	108
7.1	.....	108
7.2 I/O	.....	109
7.3	.....	110
8	.....	111
8.1	.....	111
8.2	.....	111
8.3	.....	112
9	.....	113
9.1	.....	113
9.2	.....	115
9.3	.....	116

1.1

1 8

2

3 I/O

4 2

1.2

1

2

3

4

5

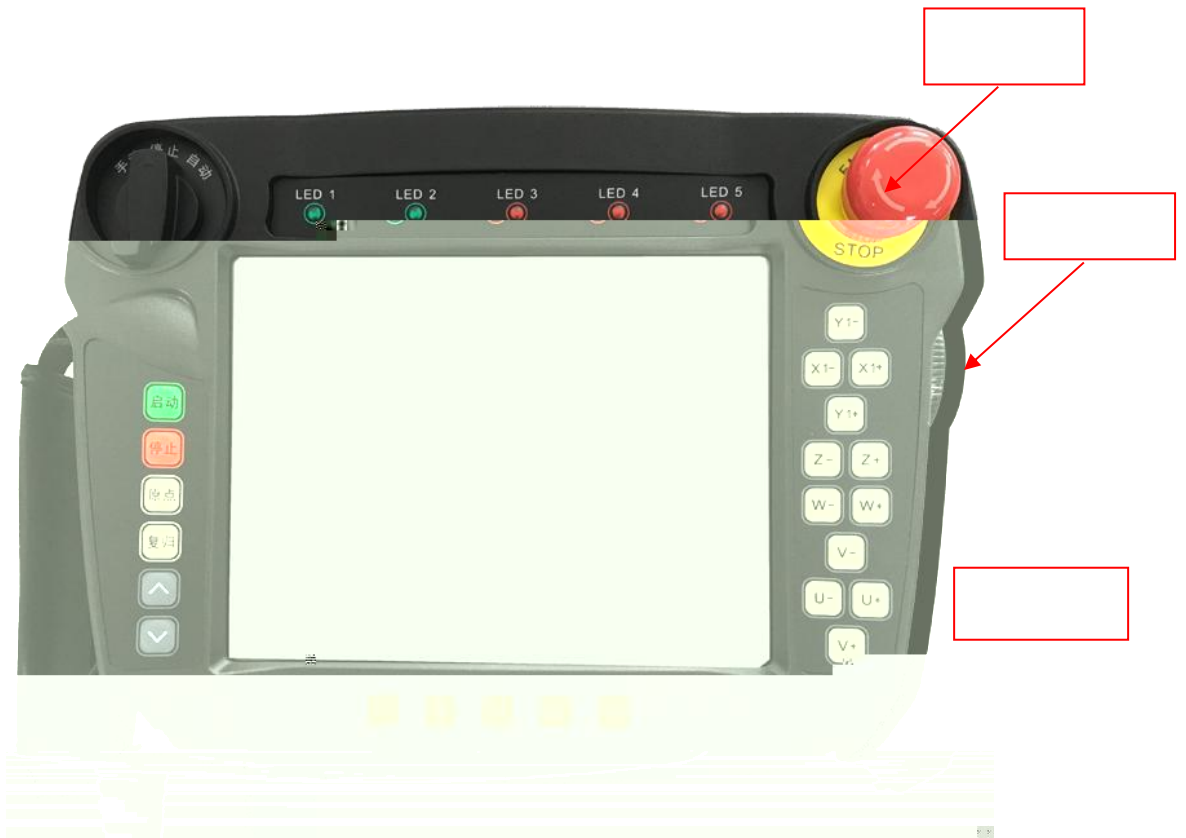
6

7

50

8

2.1



2.2

2.2.1

3





2.2.2

1

2

3.2.1.17

3.1

/

2.2.3

X+(X1+) :

X-(X1-) :

Y+(Y1+) :

Y1-(Y1-) :

Z+(Z+) :

Z-(Z-) :

U+(A+) :

U-(A-) :

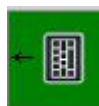
V+(B+) :

V-(B-) :

W+(C+) :

W-(C-) :

1

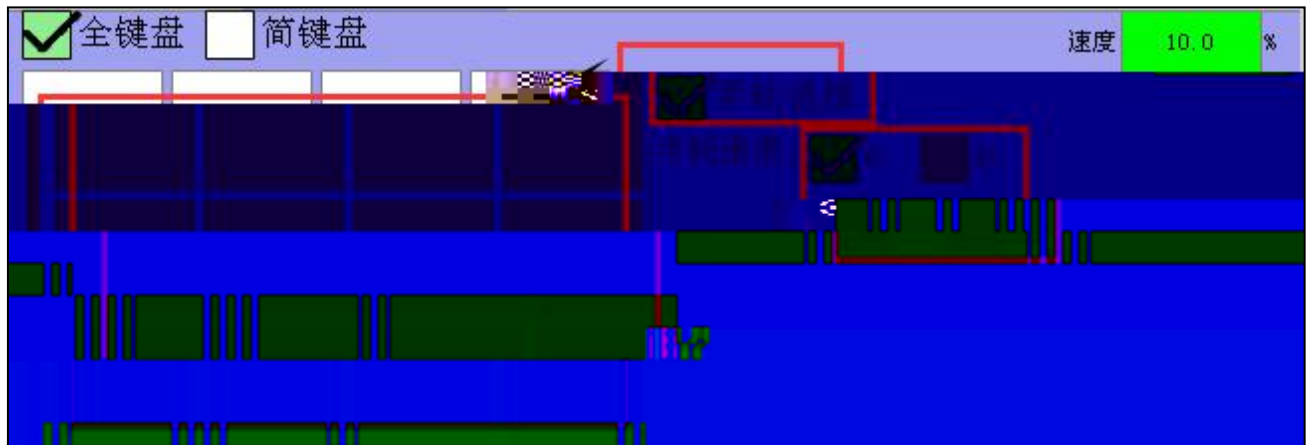
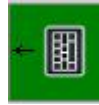


2

3



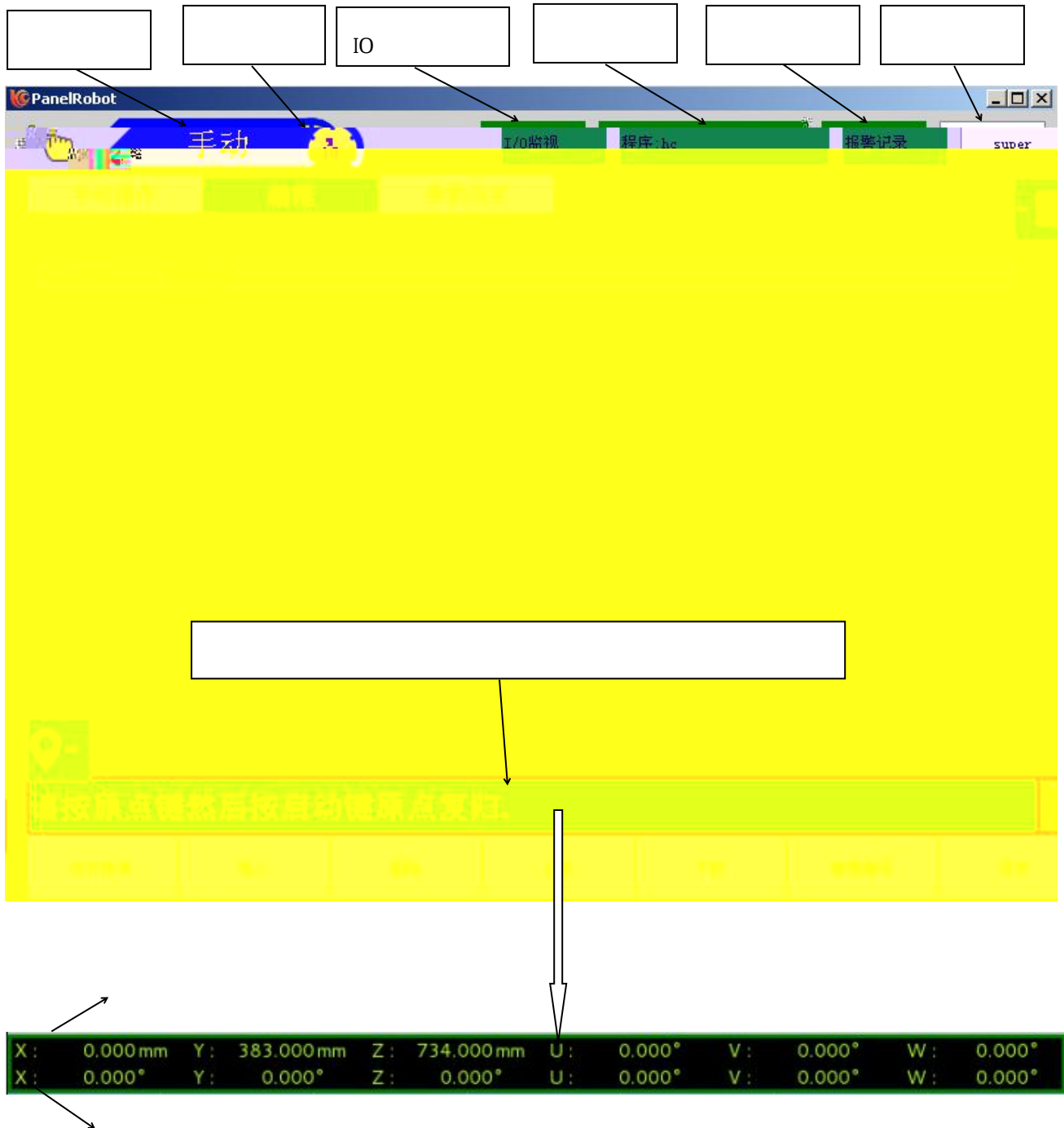
2.2.4



X1:	0.01mm	0.01
X5:	0.05mm	0.05
X10:	0.1mm	0.1
X50:	0.5mm	0.5

2.3

2.3.1



“ ”

“ ”

op

(admin)

(Super)

123456

(root)

12345678

< < <

I O

I/O

“ ” “ ” “ ” “ ” “ ”

U

U

USB

U

“ ” “ ”

2.4

“ ”

2.4.1

1

1

2

☐

☐

☐

请确认原点模式后,再按启动键原点复归.

停止

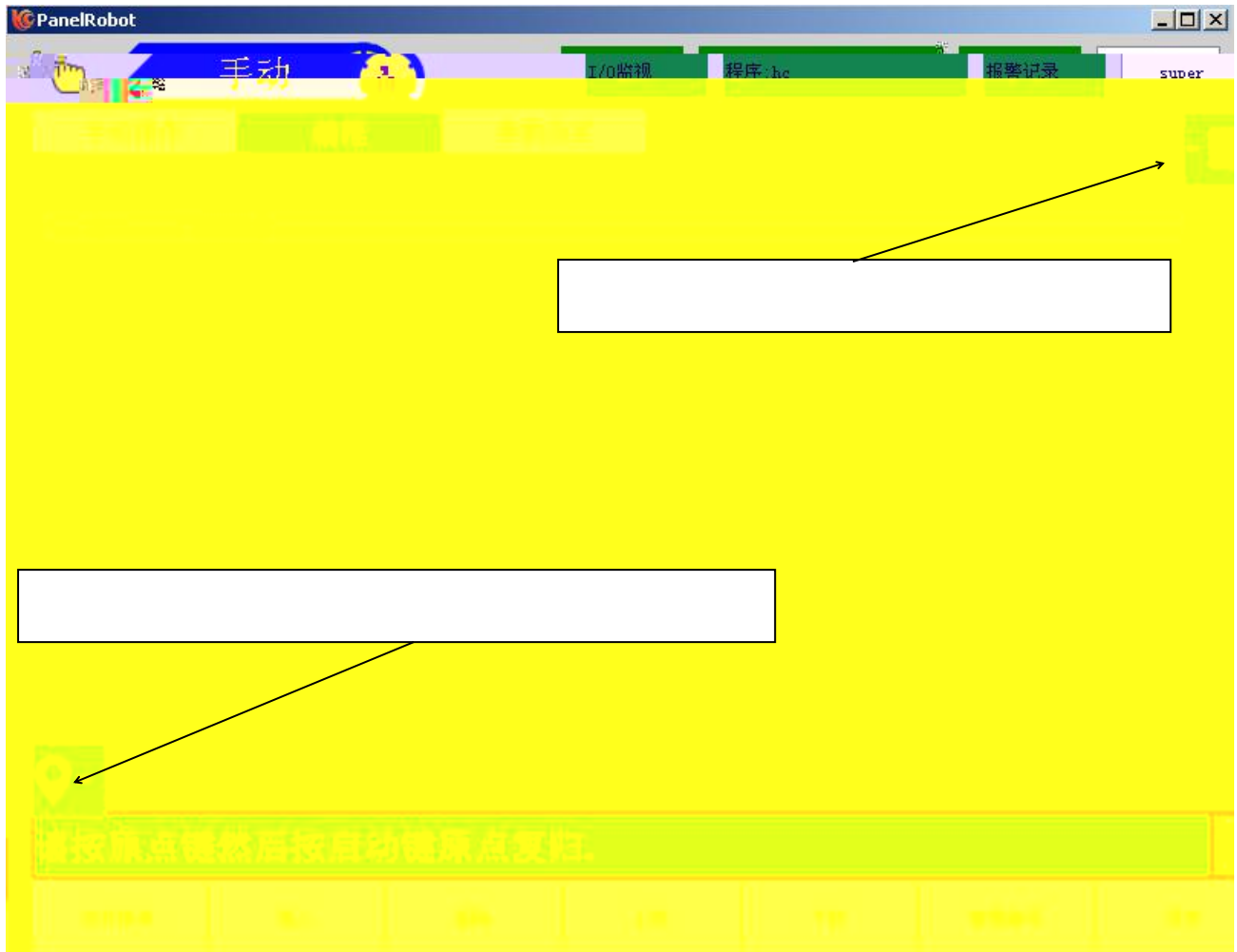
显示帮助

☐ 已在原点附近

☐ 关机前已急停

☐ 重新原点

:



3.1

8

“ ”

8

8

/ /

→

→

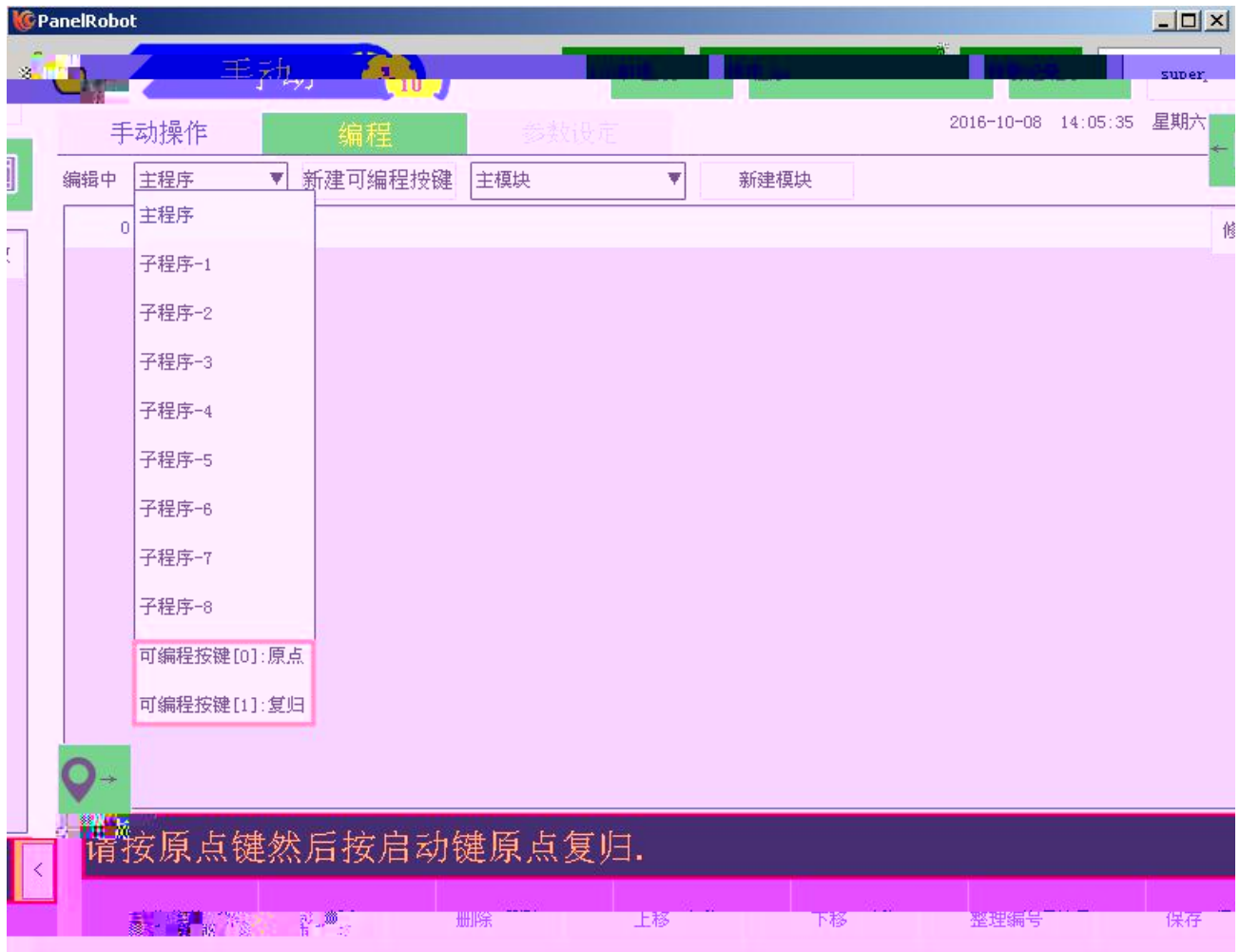
“ ”

① “ ”

“ ”

② “ ”

“ ”



3.1.1



“ ”

0 1

“ ”

1

0:1	X轴:0.000 速度:80.0 延时:0.00	试行	复制	粘贴	修改	屏蔽
1:2	Y轴:0.000 速度:80.0 延时:0.00	复制当前行 选中行 1 复制选中行到当前行				
2:7	X轴:50.000 速度:80.0 延时:0.00					
3:8	Y轴:88.000 速度:80.0 延时:0.00					
4:4	输出:报警声通 延时:0.0					
5:0	模组结束					

0:1	X轴:0.000 速度:80.0 延时:0.00
1:2	Y轴:0.000 速度:80.0 延时:0.00
2:7	X轴:50.000 速度:80.0 延时:0.00
3:8	Y轴:88.000 速度:80.0 延时:0.00
4:9	X轴:0.000 速度:80.0 延时:0.00
5:10	Y轴:0.000 速度:80.0 延时:0.00

“ ”

“ ”

3.1.2

8

17

“

”

“

”



3.1.2.1

Z

插入

详细参数

动作

直线Z形

平面XY

寸动轴Y

☐ 喷枪收回

设入起点

X轴0mm

Y轴0mm

Z轴0mm

A轴0°

设入终点

X轴0mm

重复速度100%

寸动长度0mm

寸动速度10%

循环次数0

旋转角度0°

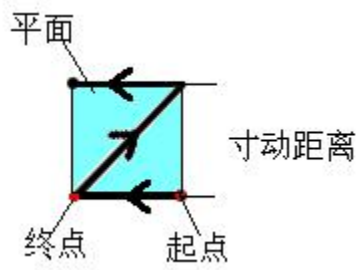
旋转

洗枪/试枪1

洗枪/试枪2

/ 1 1 1

/ 2 2 2

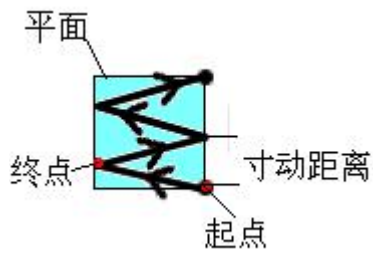


插入	直线锯齿形	平面	XY	寸动轴	Y	☐ 喷枪收回					
	设入起点	X轴	0	mm	Y轴	0	mm	Z轴	0	mm	洗枪/试枪1
		A轴	0	°							
	设入终点	X轴	0	mm	设入终点	Y轴	0	mm			洗枪/试枪2
	重复速度	100	%								
寸动											

/ 1

1 1 1

/ 2 2 2



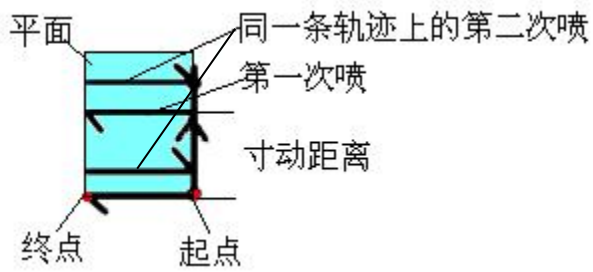
插入 详细参数 动作菜单	直线寸动形	平面	XY	寸动轴	Y	☐ 喷枪收回	
	设入起点	X轴	0 mm	Y轴	0 mm	Z轴	0 mm
		A轴	0 °				
	设入终点	X轴	0 mm				
	重复速度	100 %	重复次数	0			
	寸动长度	0 mm	寸动速度	10 %	循环次数	0	
	旋转角度	0 °	旋转速度	30 %			

洗枪/试枪1

洗枪/试枪2

/ 1 1 1

/ 2 2 2



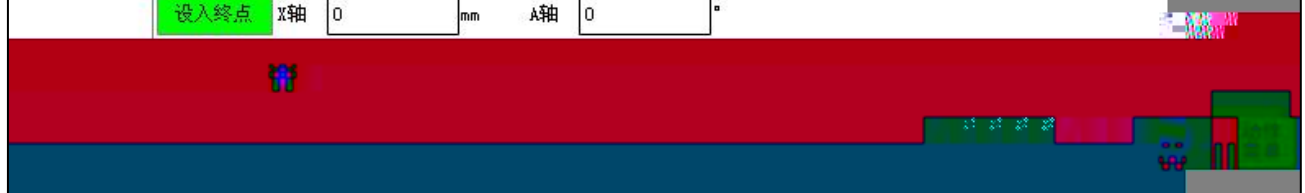
插入 详细参数 动作	单轴往复	平面	XY	往复轴	Y	☐ 喷枪收回	☐ 旋转跟随				
	设入起点	X轴	0	mm	Y轴	0	mm	Z轴	0	mm	洗枪/试枪1
		A轴	0	°							洗枪/试枪2
	设入终点	Y轴	0	mm							
	重复速度	100	%	重复次数	0						
	旋转角度	0	°	旋转速度	30	%					

/ 1 1 1

/ 2 2 2

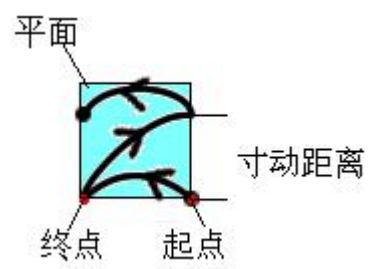
Z

插入 详细参数	曲线Z形	平面	XY	寸动轴	Y	☐ 喷枪收回					
	设入起点	X轴	0	mm	Y轴	0	mm	Z轴	0	mm	洗枪/试枪1
		A轴	0	°							洗枪/试枪2
	设入终点	X轴	0	mm	A轴	0	°				



/ 1 1 1

/ 2 2 2



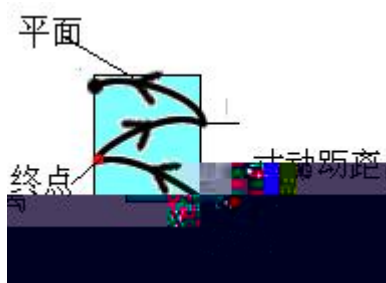
插入 详细参数 动作菜单	曲线锯齿形	平面	XY	寸动轴	Y	☐ 喷枪收回					
	设定起点	X轴	0	mm	Y轴	0	mm	Z轴	0	mm	洗枪/试枪1
		A轴	0	°							洗枪/试枪2
	设定终点	X轴	0	mm	Y轴	0	mm	A轴	0	°	
	重复速度	100	%	弧顶高度	0	mm					
	循环次数	0									
	旋转速度	30	%								

/ 1

1 1 1

/ 2

2 2 2



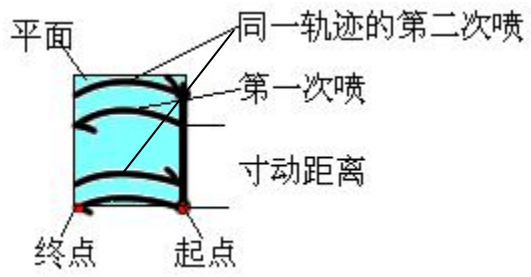
插入	曲线寸动形	平面	XY	寸动轴	Y	☐ 前向弧	☐ 喷枪收回		
	设入起点	X轴	0	mm	Y轴	0	mm		
					Z轴	0	mm		
设入终点		A轴	0	°					
		X轴	0	mm	A轴	0	°		
动作菜单	重复速度	100	%	重复次数	0		弧顶高度	0	mm
	寸动长度	0	mm	寸动速度	10	%	循环次数	0	
	旋转角度	0	°	旋转速度	30	%			

洗枪/试枪1

洗枪/试枪2

/ 1

1 1 1



DIY

插入	自定义动作	动作		☐ 喷枪收回	☐ 旋转跟随
	设置起点	X轴	0 mm	Y轴	0 mm
		A轴	0 °	Z轴	0 mm
动作菜单	循环次数	0			
	旋转角度	0 °	旋转速度	30 %	

插入	雾化时间 0 s ☒ 使用		喷枪1闭合 左边 ▼					
返回	喷幅阀 0 s ☒ 使用							
	油量阀 0.03 s ☒ 使用							
	返回速度							
X轴	20	%	Y轴	20	%	Z轴	20	%
A轴	20	%	B轴	30	%	C轴	30	%

动作菜单

“ ”

“ ”

“ ”

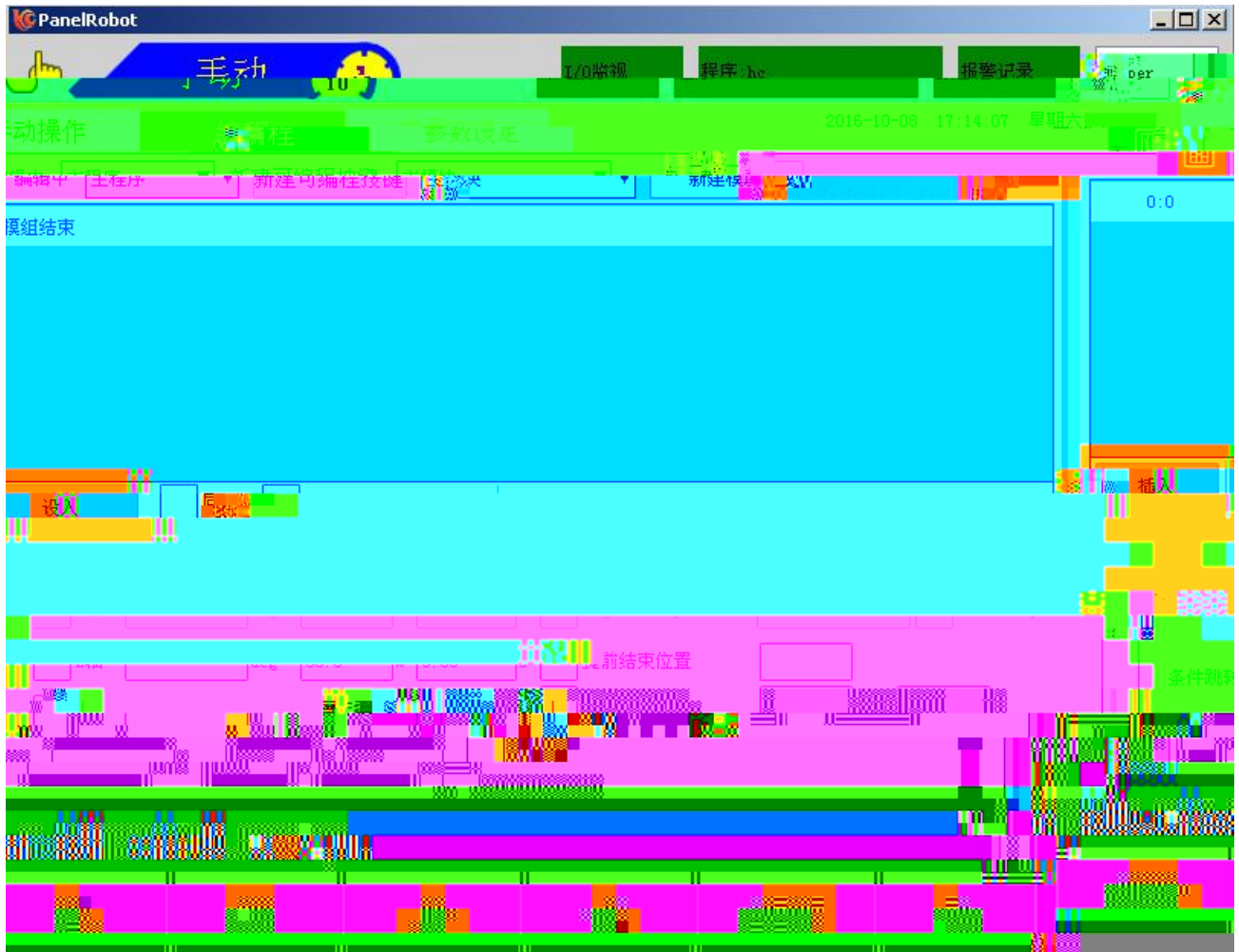
①

②

③

3.1.2.2

“  轴动作 ”



√

“ ”

“ ” “ ”

“ ”

200

1000.

800

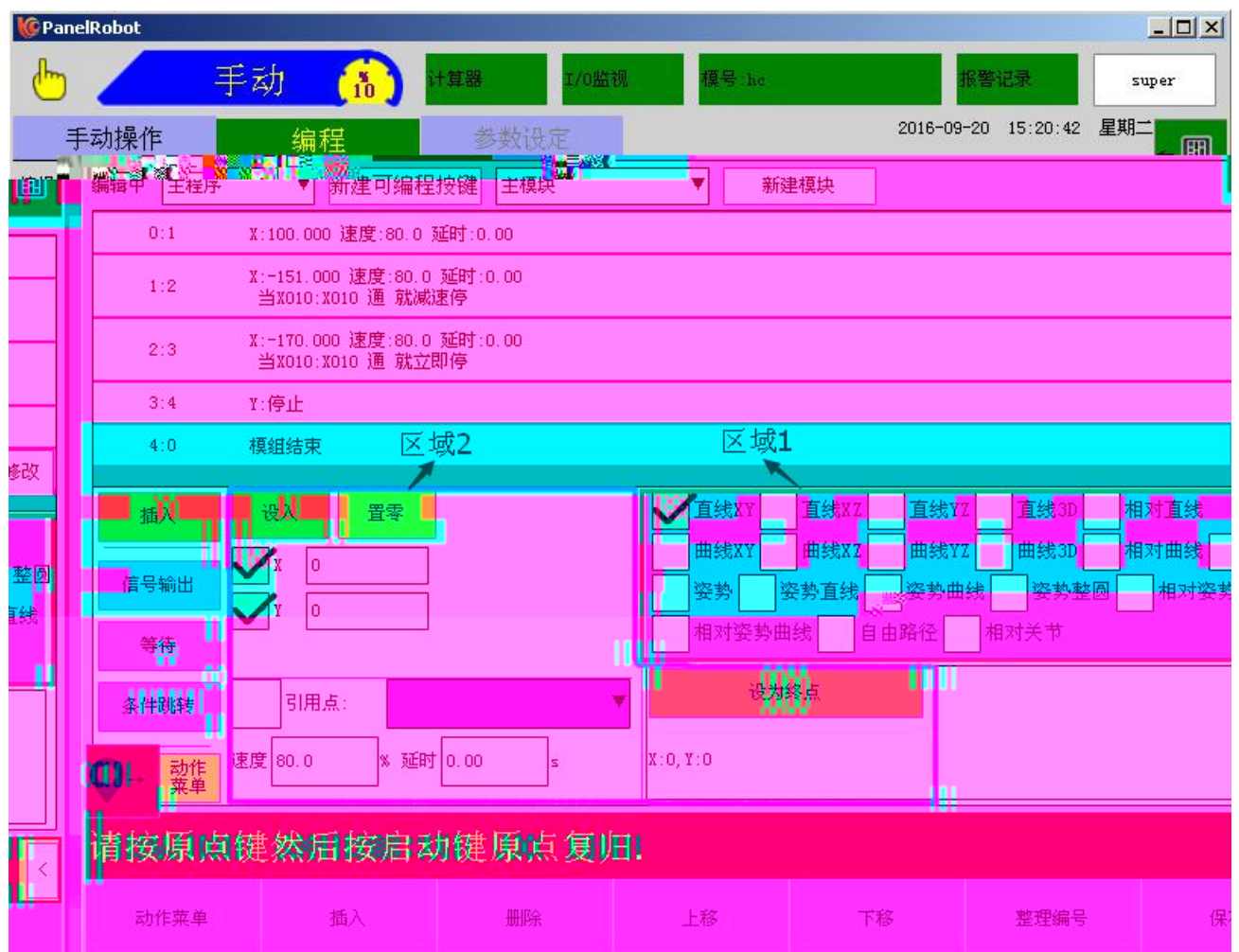
1000-200

1000

200 5% 1000 80% 0-800

80% 800-1000 5%

3.1.2.3



2D

XY

XZ

YZ

“

”

3D “ ”

2D XZ XZ YZ “ ”

“ ”

3D “ ” “ ”

“ ”

“ ” “ ”

“ ” “ ”

U,V,W

U,V,W

“ ”



引用点:

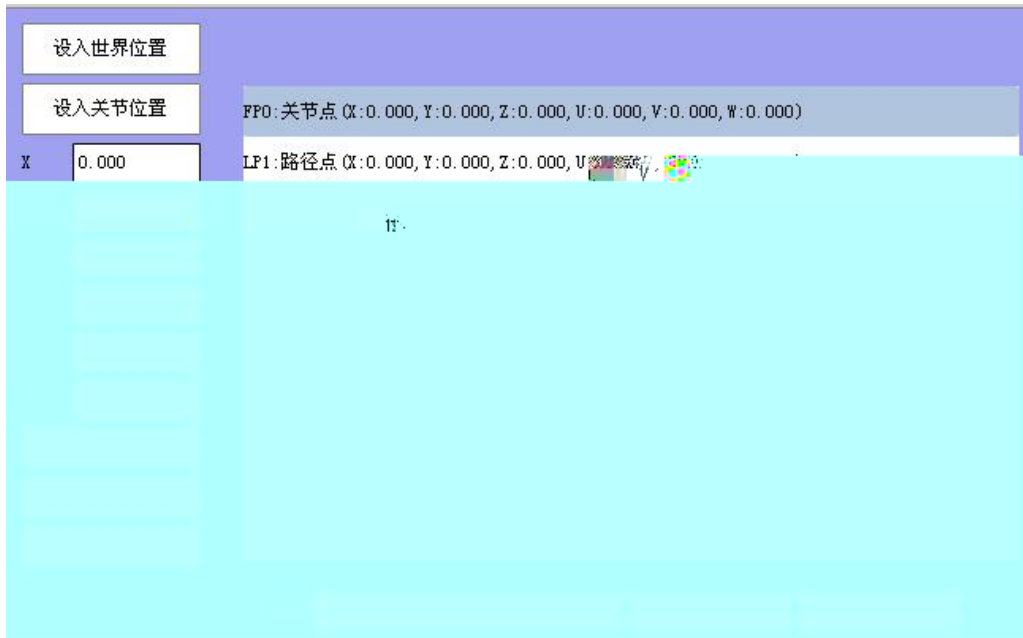
LP1:路径点



引用点:

LP1:路径点





:

①

②

“ ”

①

②

③

“ ”

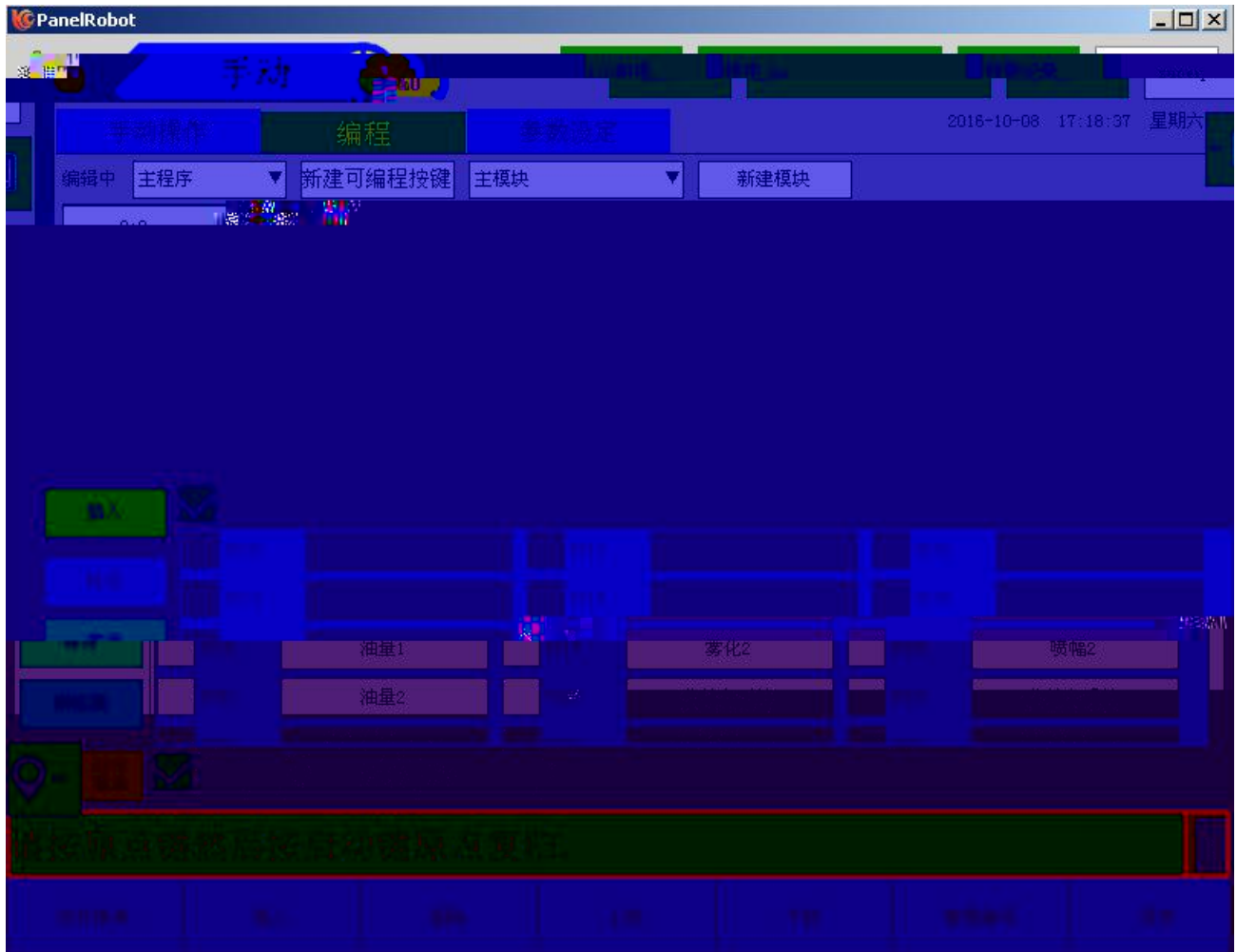
“ ”

“ ”

3.1.2.4



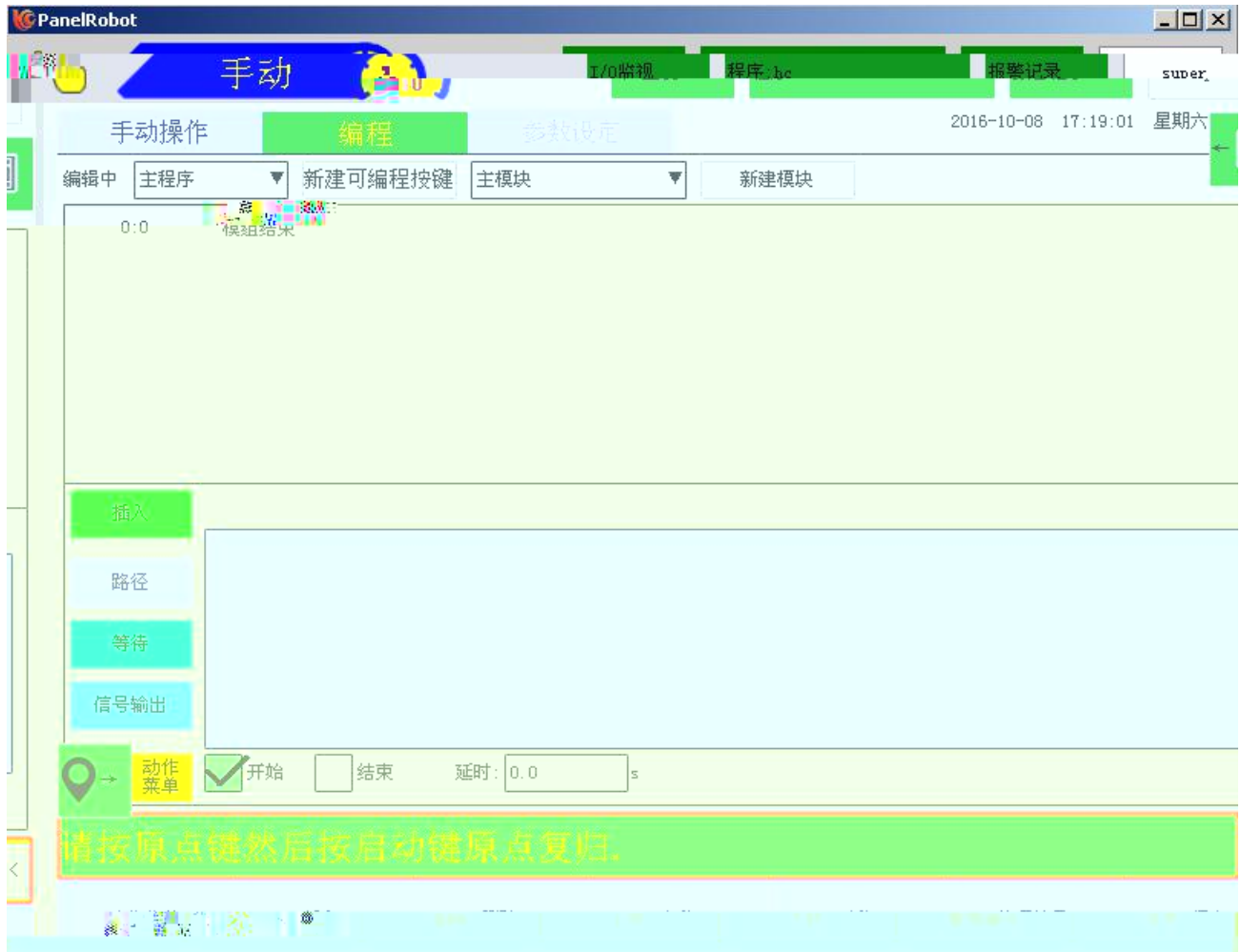
:



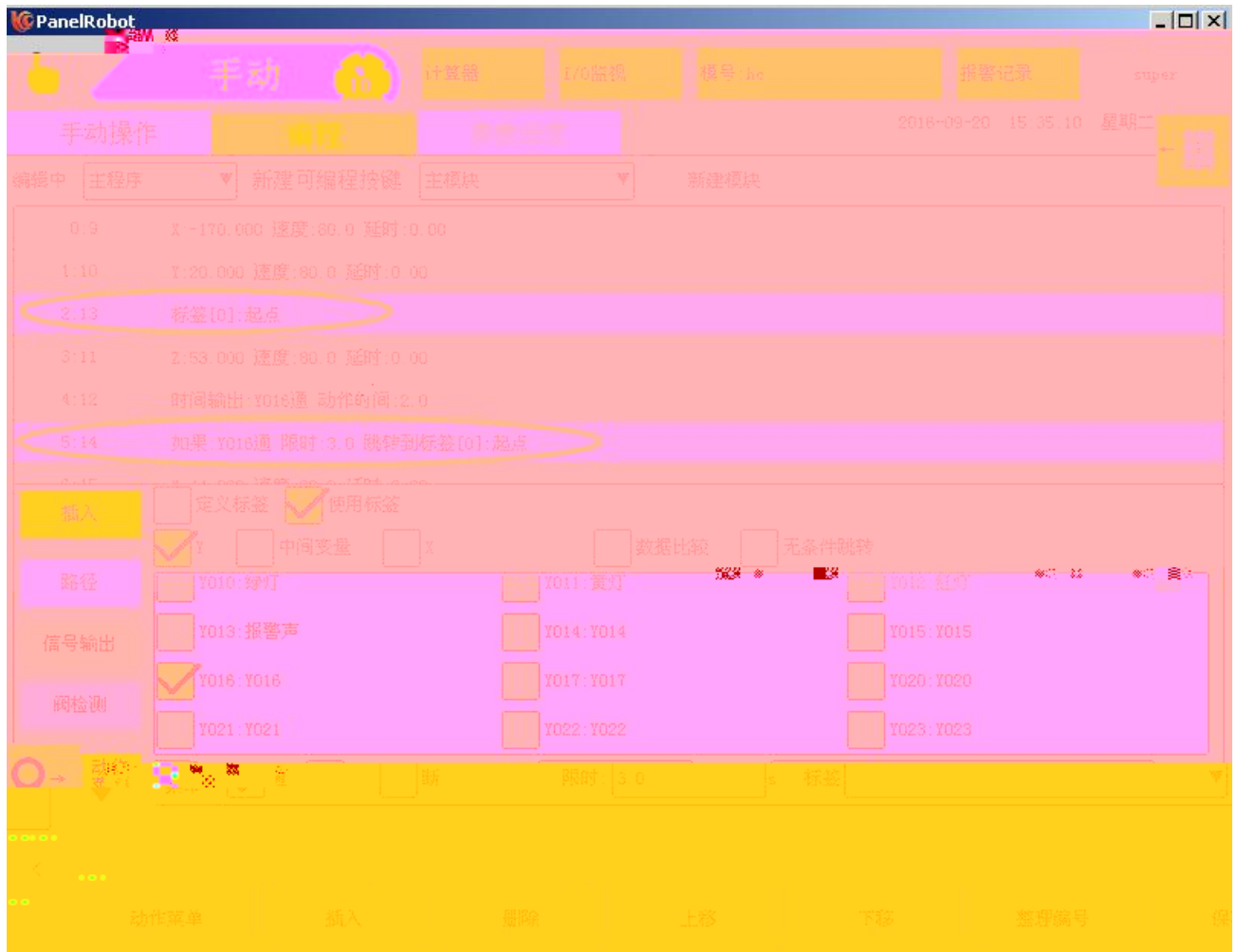
3.1.2.5



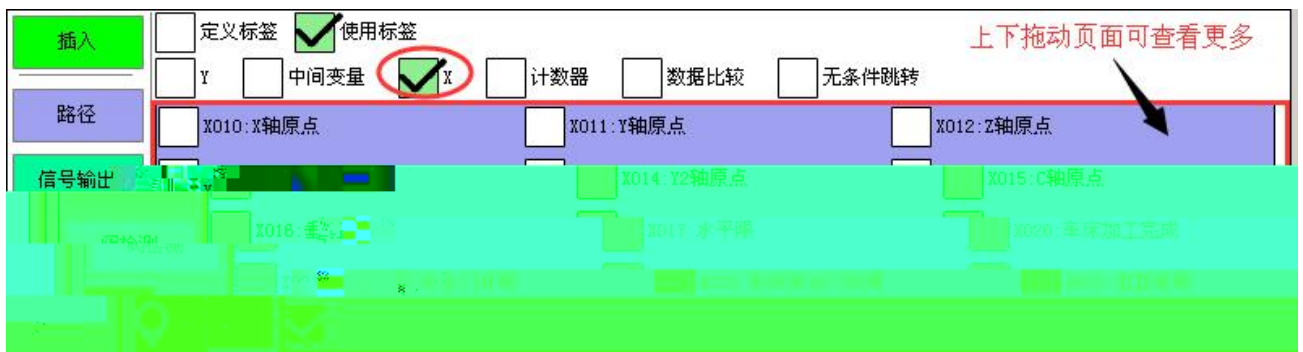
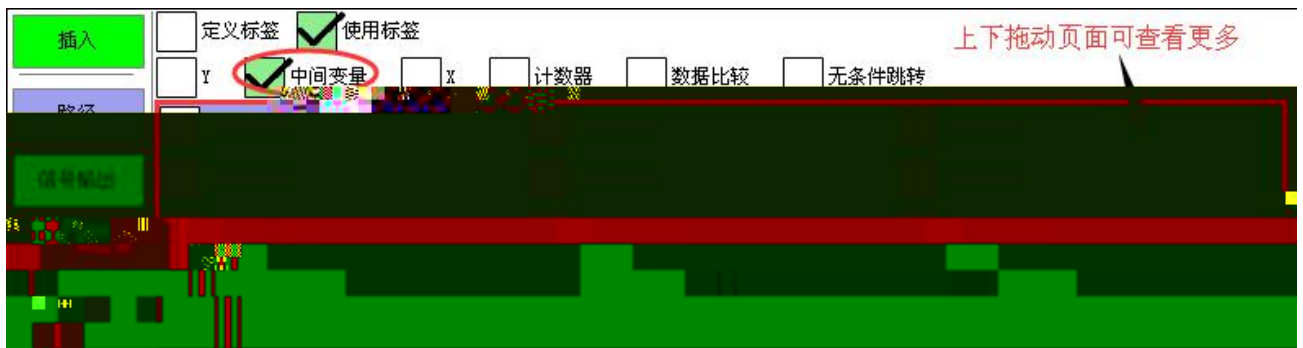
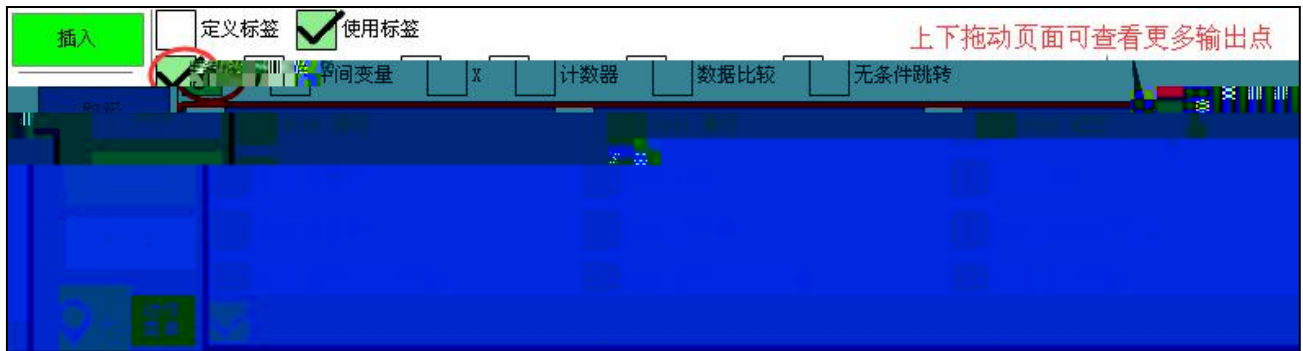
:



3.1.2.6



- 1 ☒ ” “
- 2
- 3 ☒ “ ”



插入 ☐ 定义标签 ☒ 使用标签

☐ Y ☐ 中间变量 ☐ X ☐ 计数器 ☒ 数据比较 ☐ 无条件跳转

路径 ☒ 立即数 ☐ 地址数据

信号输出 左地址: 开始位 0 数据长度 32 基地址 1 精度 0

动作菜单 ☒ 通 ☐ 断 限时: 0.0 s 标签 标签[0]:11

上下拖动页面可查看更多

插入 ☐ 定义标签 ☒ 使用标签

☐ Y ☐ 中间变量 ☐ X ☐ 计数器 ☒ 数据比较 ☒ 无条件跳转

路径

信号输出

检测

动作菜单 ☒ 通 ☐ 断 限时: 0.0 s 标签 标签[0]:11

3.1.2.7



:

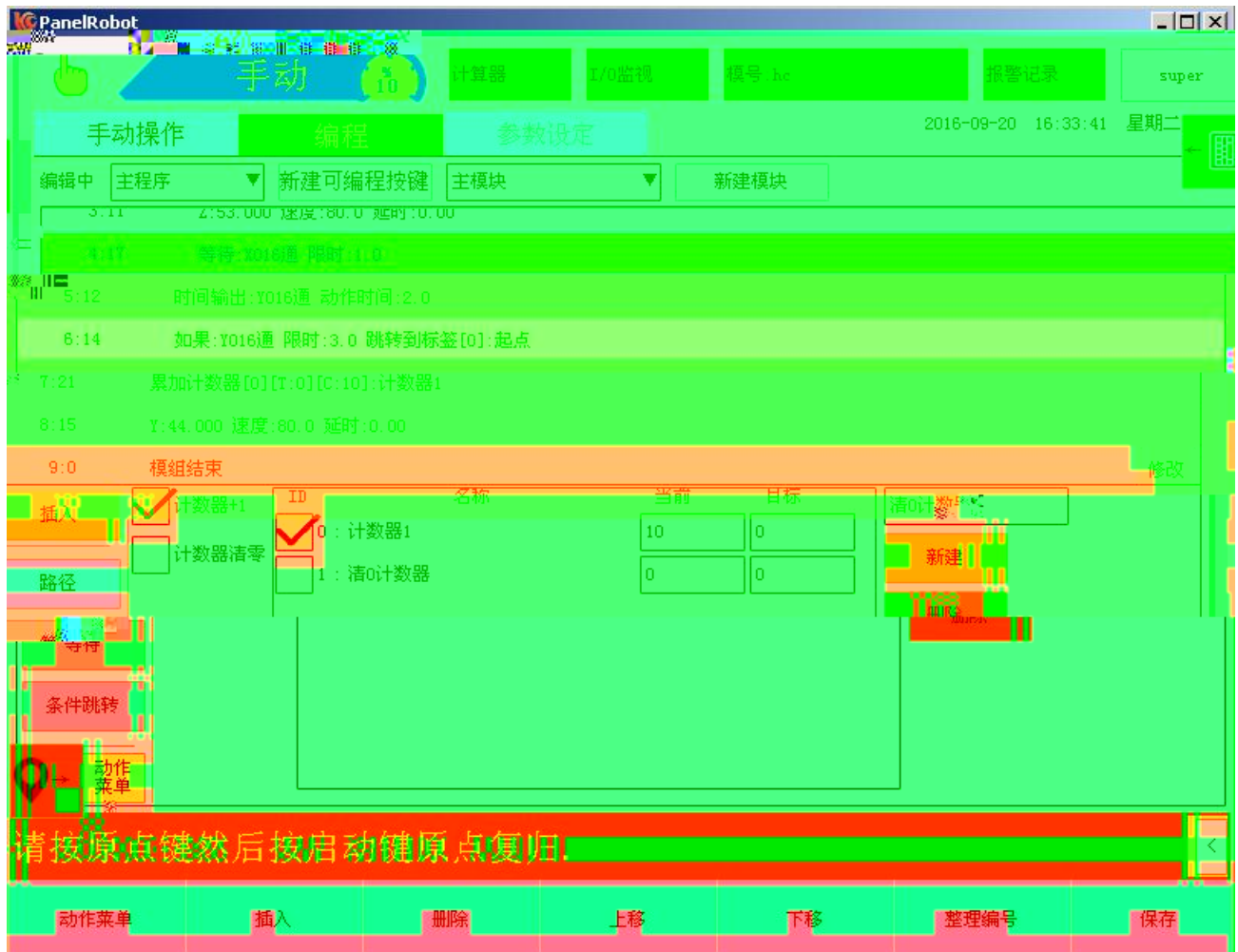


ON OFF

3.1.2.8



:



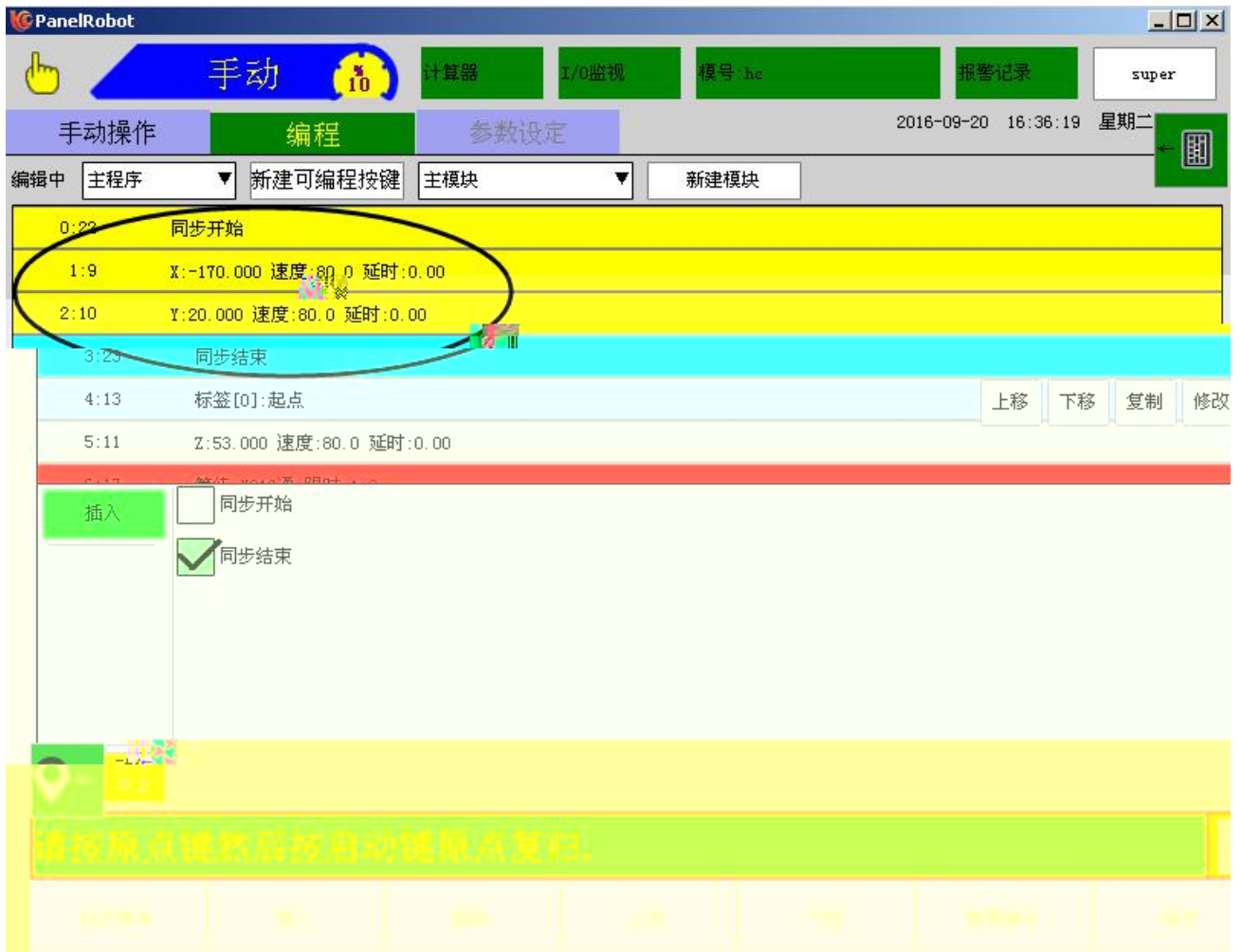
① 1 ②

2

3.1.2.9



:



1

2

3

3.1.2.10



:



3.1.2.11



①

②

③

①

②

③

①

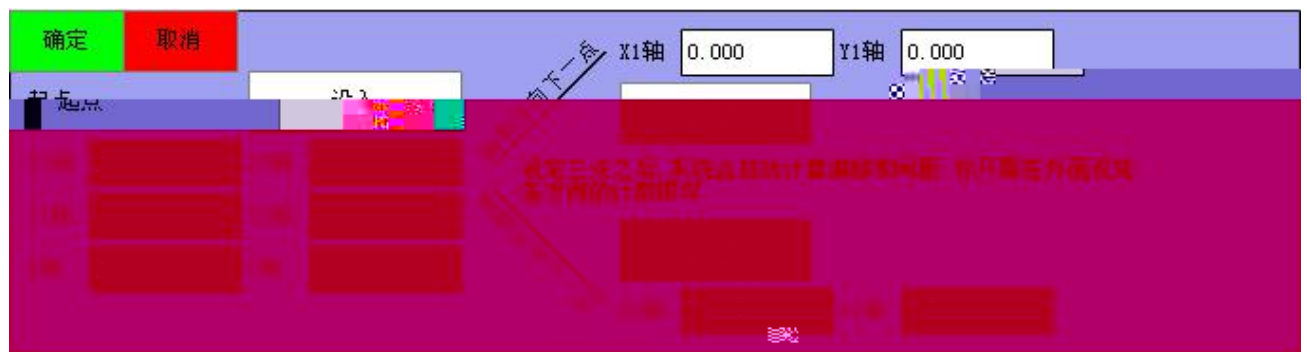
②

Z

1 “ ”

2 “ ”

①



②

+

-

☐ 使用堆叠

☒ 定义堆叠

堆叠[0]:一般

新建

复制

删除

保存

设入

☐ 使用偏移

三点法设定

轴	0	Y2轴	0	X方向:间距	0.000	计数	4
轴	0	C轴	0	Y方向:间距	0	计数	4
				Z方向:间距	10.000	计数	4

① “ ” 1 ②

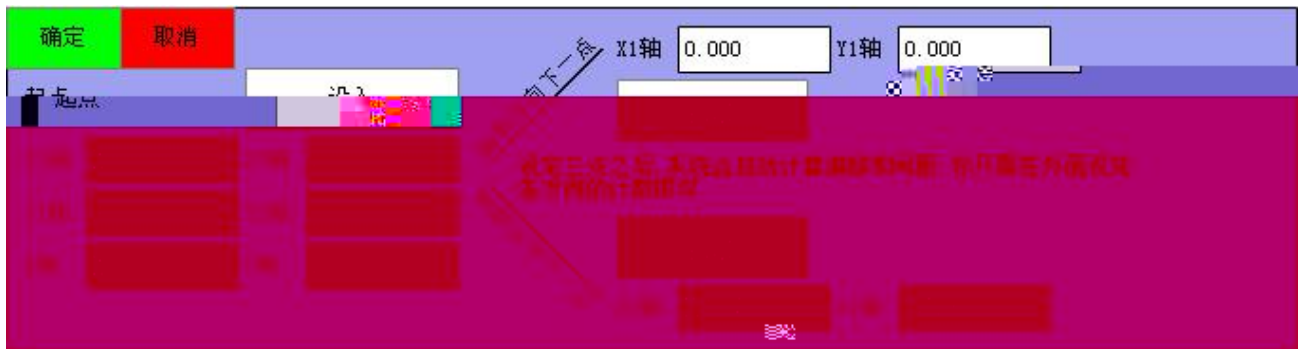
√ “ ” “ ”
“ ”

Z

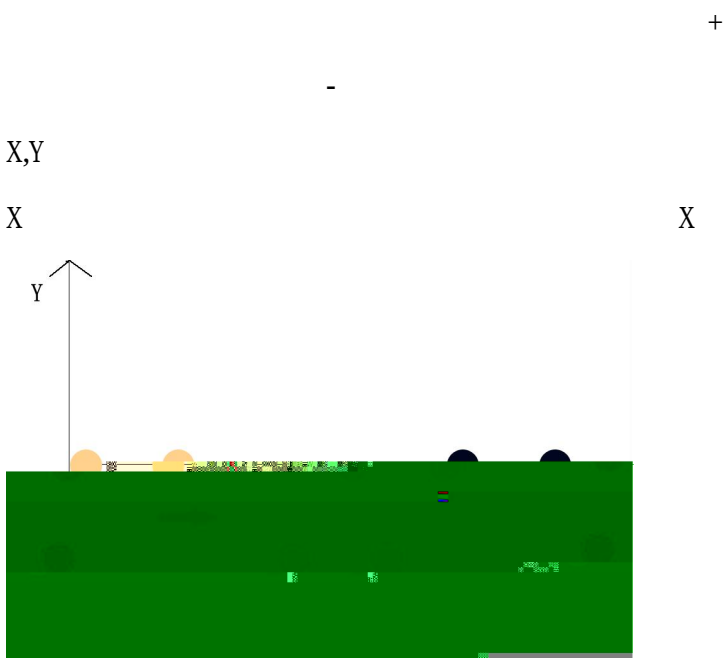
1 “ ”

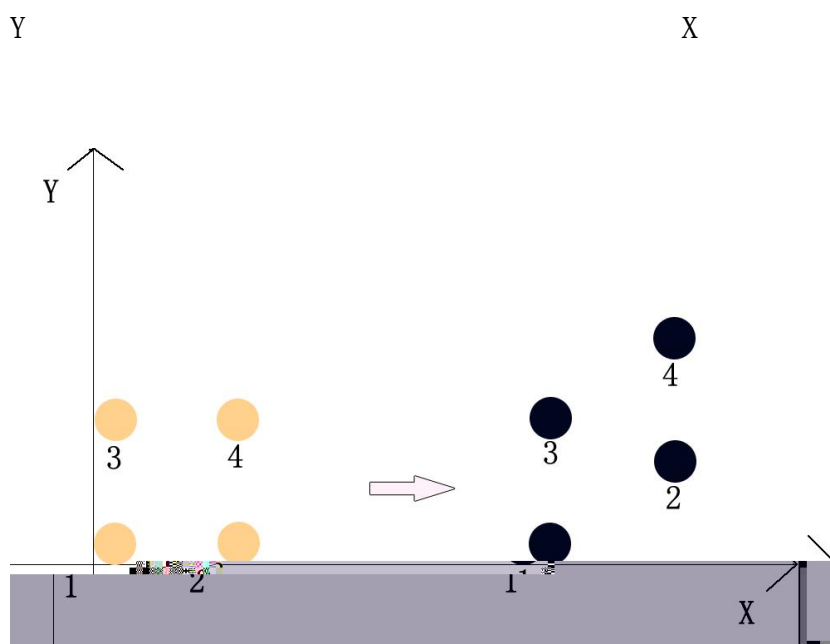
2 “ ”

①



②

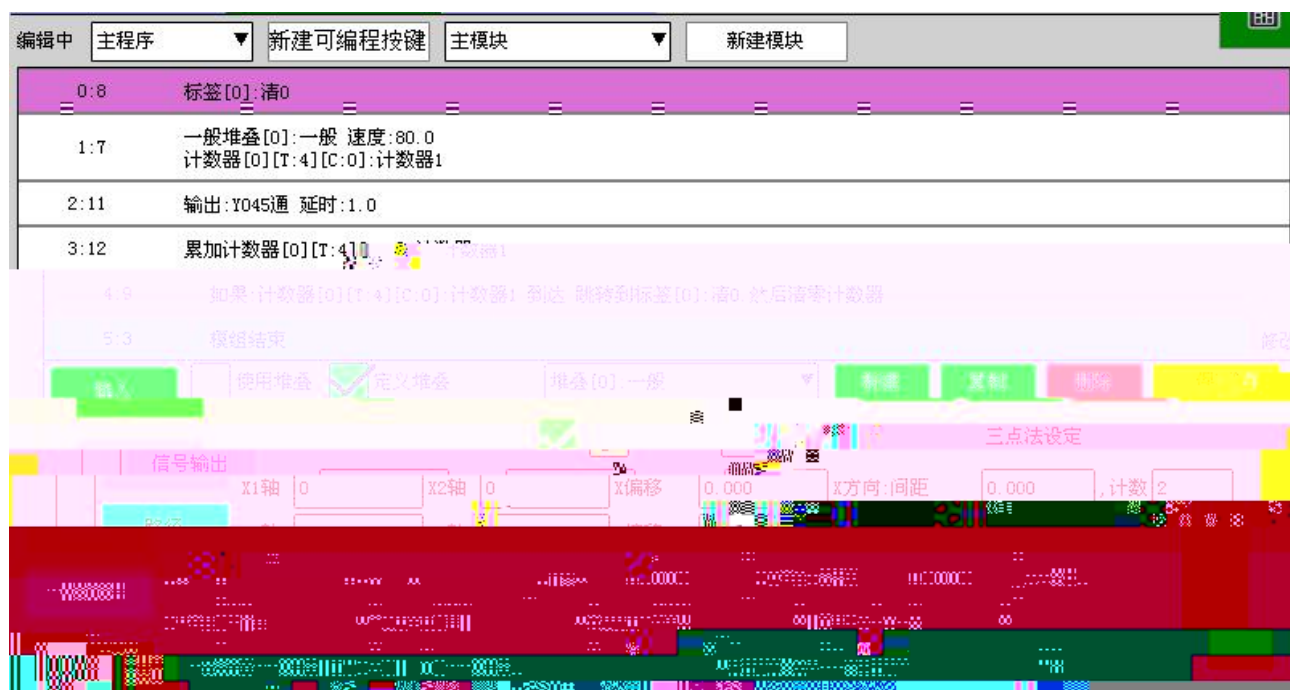
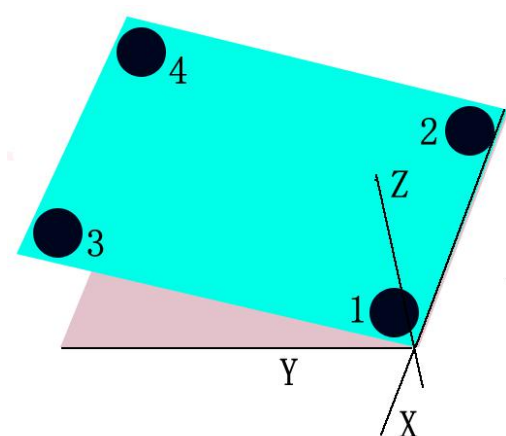




① “ ”

1 ②

√ “ ” “ ”
“ ”



1

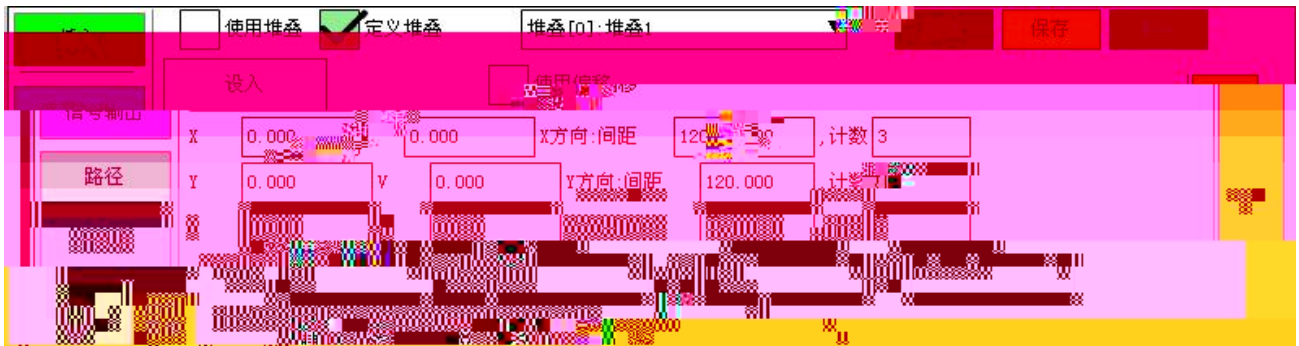
1

2

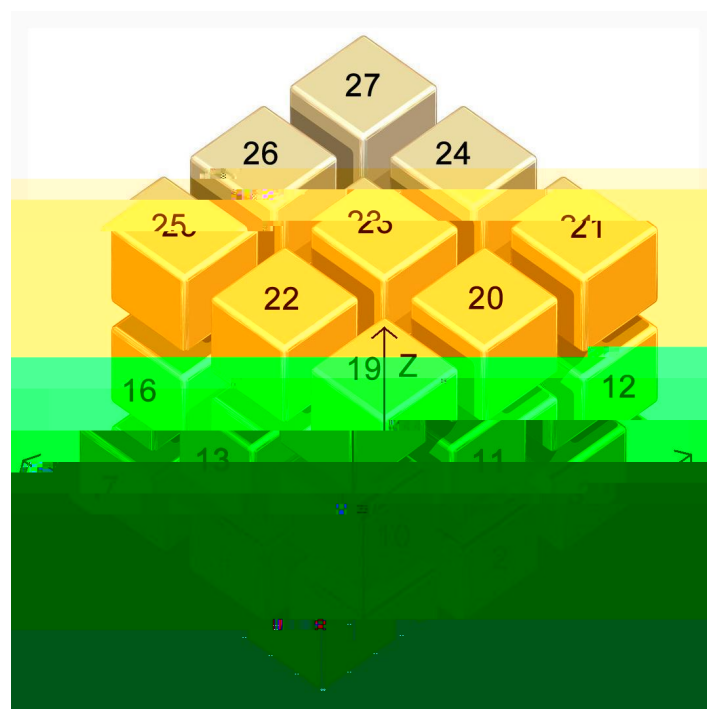
		ID	名称	当前	目标
插入	☒ 计数器+1	☒	0 : 堆叠1计数器	0	27
	☐ 计数器清零				
路径					
等待					
条件跳转					
动作菜单					

堆叠1计数器
 新建
 删除

47



0:0	标签[0]:清0点
1:1	堆叠[0]:堆叠1 速度:80.0 计数器[0][T:27][C:0]:堆叠1计数器
2:2	累加计数
3:3	堆叠1计数器 到达 跳转到标签[0]:清0点, 然后清零计数器
4:4	模组结束



1 “ ”

2 “ → ”

3 “ ”

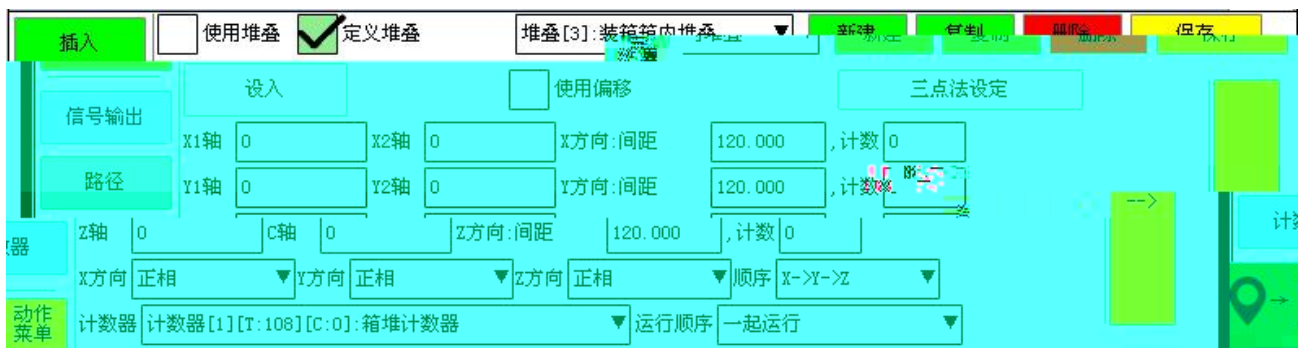
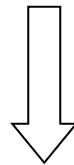
4

5 “ → ”

6

7 √

“ ”



“ ”

插入	☐ 使用堆叠	☒ 定义堆叠	堆叠[3]: 装箱箱内堆叠	新建	复制	删除	保存
信号输出	设入	☐ 使用偏移	三点法设定				
路径	X1轴 0	X2轴 0	X方向: 间距 120.000	计数 0			
	Y1轴 0	Y2轴 0	Y方向: 间距 120.000	计数 0			
器	Z轴 0	C轴 0	Z方向: 间距 120.000	计数 0			
动作菜单	X方向 正相	Y方向 正相	Z方向 正相	顺序 X-Y-Z			
	计数器 计数器[1][T:108][C:0]: 箱堆计数器	运行顺序 一起运行					

1 4

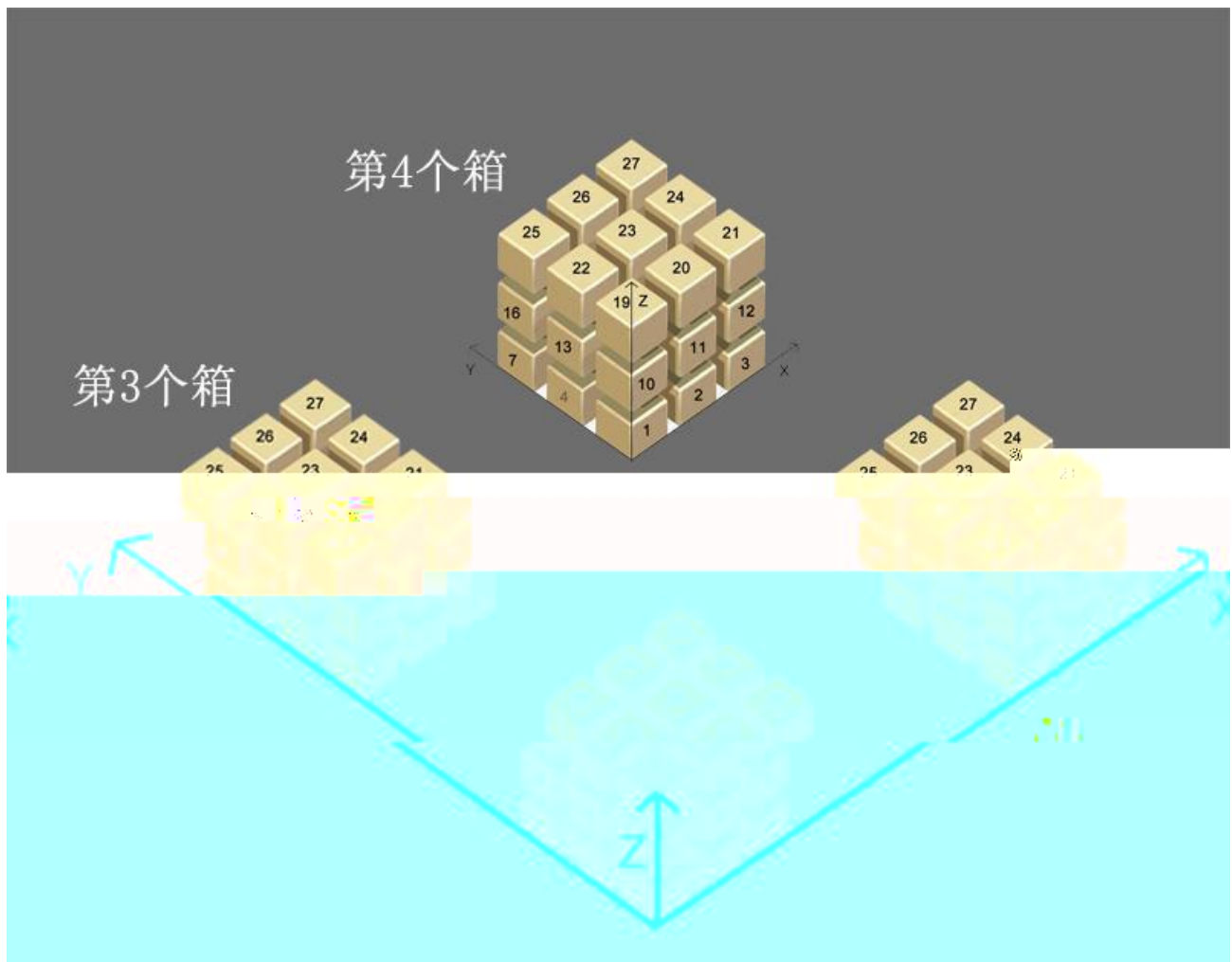
2 X 2 Y 2 Z 0

X

3 500mm, 0mm

插入	☐ 使用堆叠	☒ 定义堆叠	堆叠[3]: 装箱箱内堆叠	新建	复制	删除	保存
信号输出	设入	☐ 使用偏移	三点法设定				
路径	X方向: 间距 840.000	计数 2					
计数器	Y方向: 间距 840.000	计数 2					
	Z方向: 间距 0	计数 0					
	X方向 正相	Y方向 正相	Z方向 正相	顺序 X-Y-Z			

0:9	标签[0]:清0点	
1:7	装箱堆叠[1]:装箱箱内堆叠 箱内堆速度:80.0 装箱速度:80.0 计数器[1][T:108][C:0]:箱堆计数器 计数器:自身	修改
2:6	累加计数器[1][T:108][C:0]:箱堆计数器	
3:10	如果:计数器[1][T:108][C:0]:箱堆计数器 到达 跳转到标签[0]:清0点. 然后清零计数器	
4:4	模组结束	修改



1 “ ”

2 “ ”

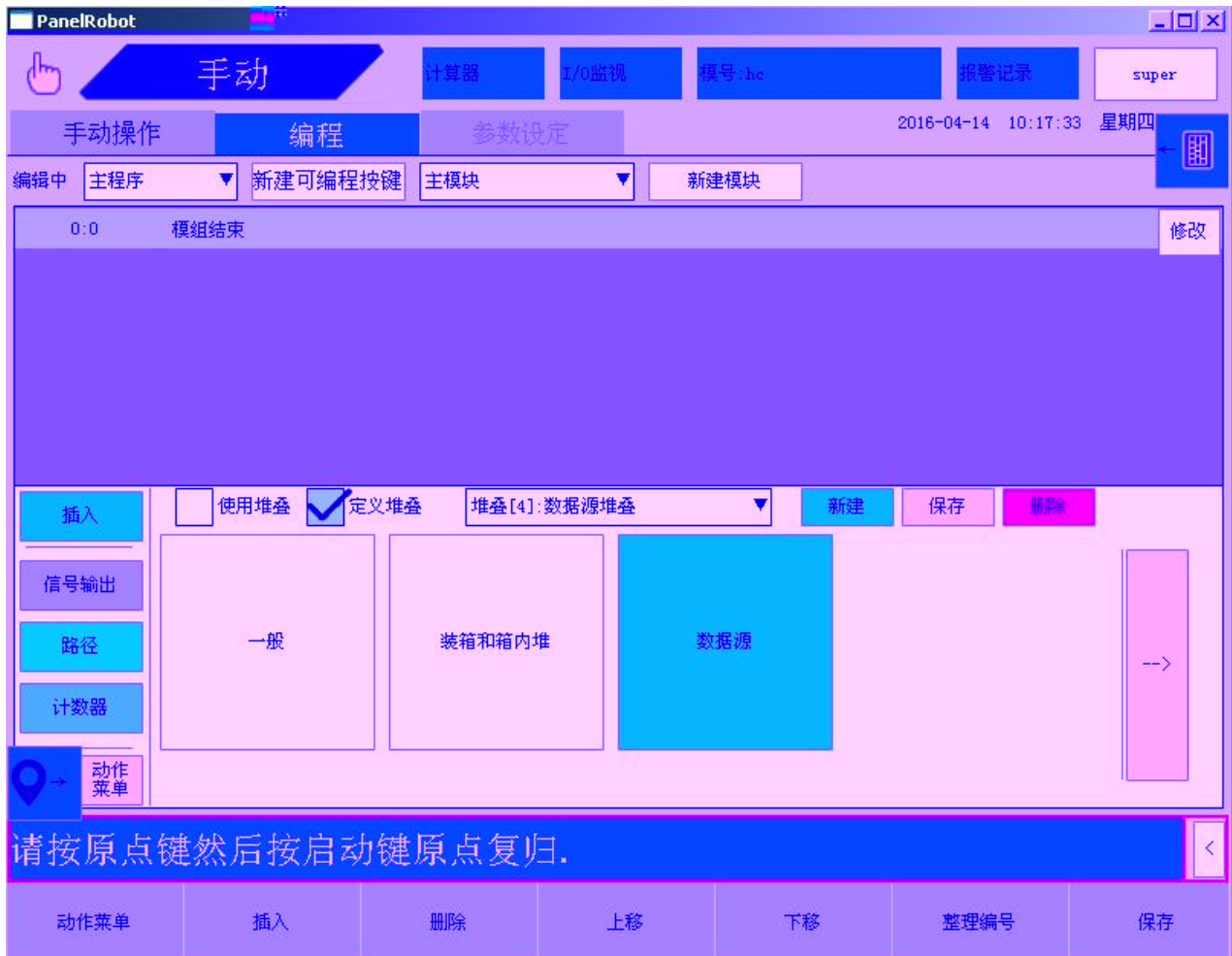
3 “ ”

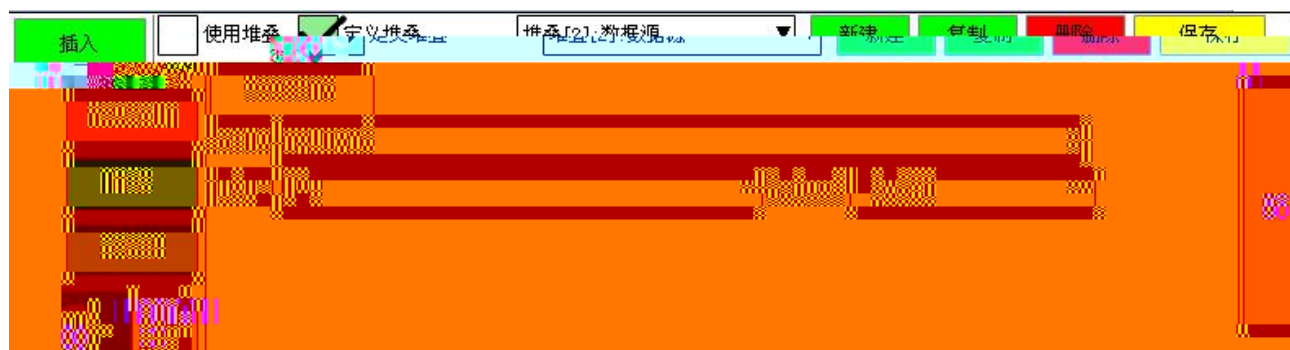
4 ①

②

5 √

“ ”





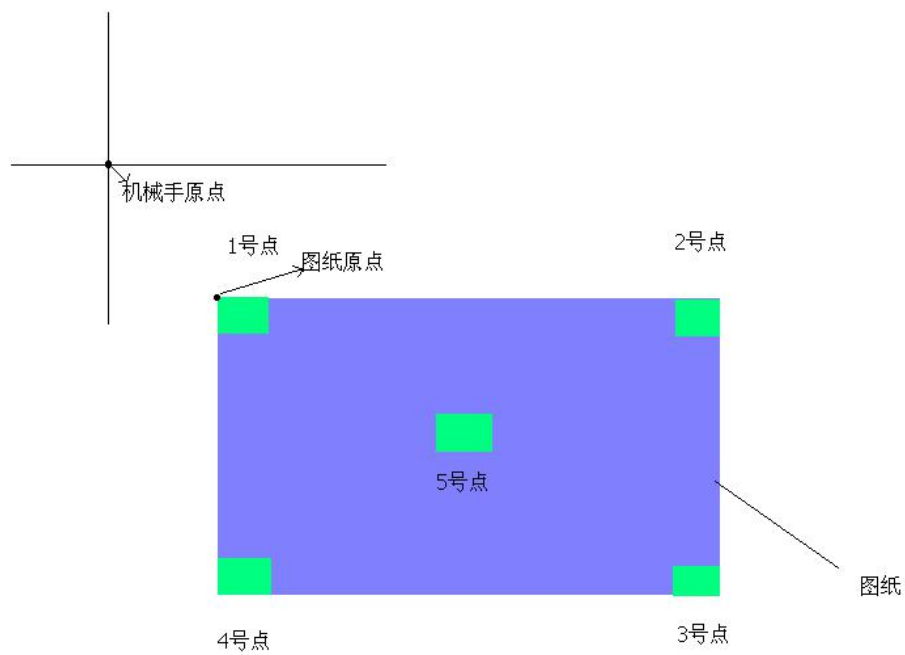
44

37





2





6

1

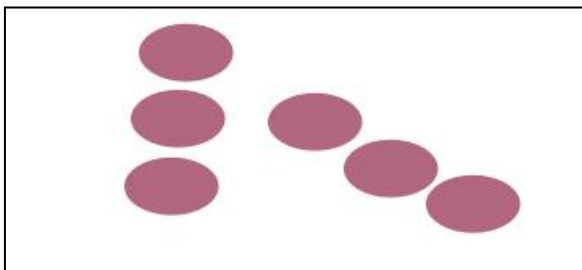
“

”



2

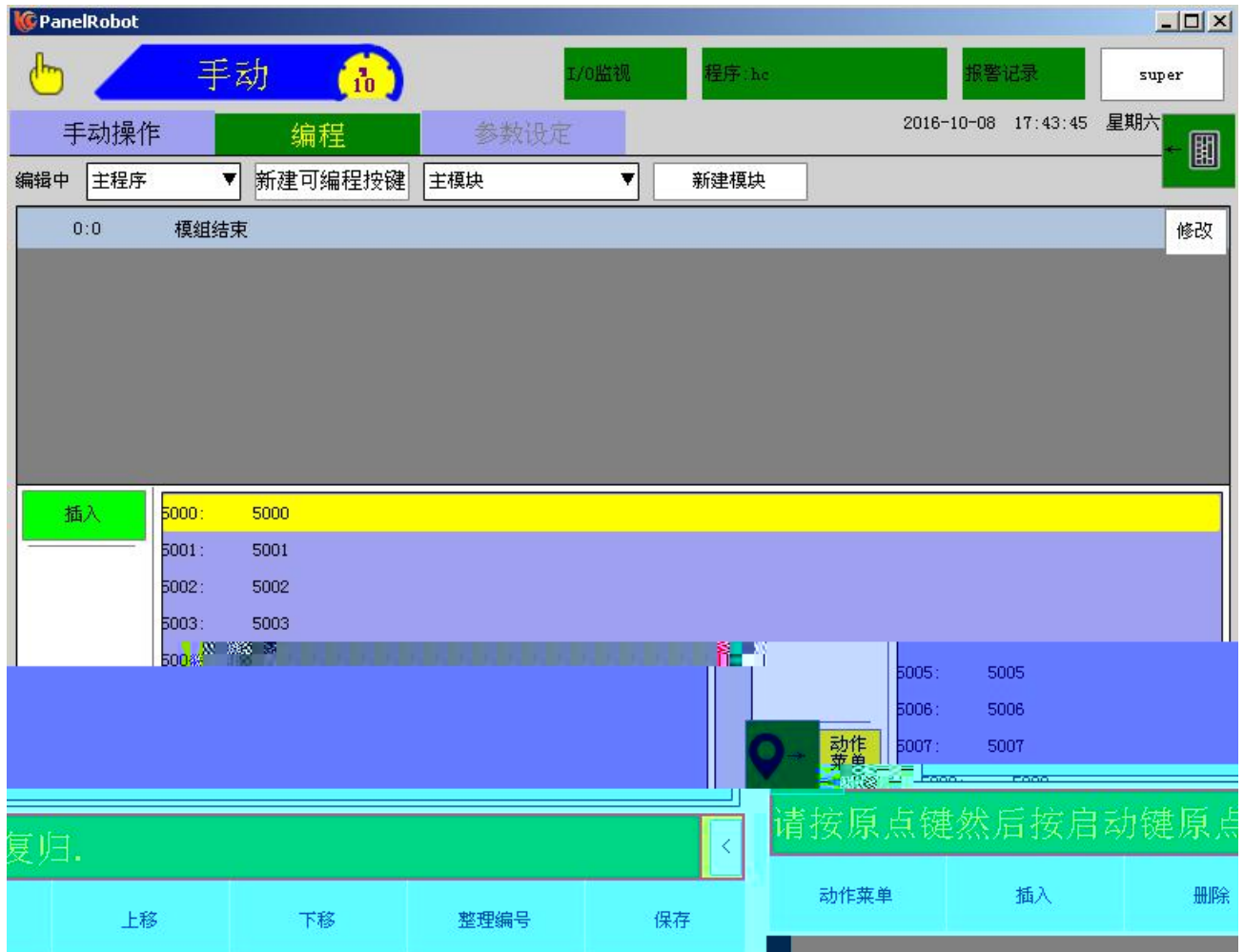
3



3.1.2.12



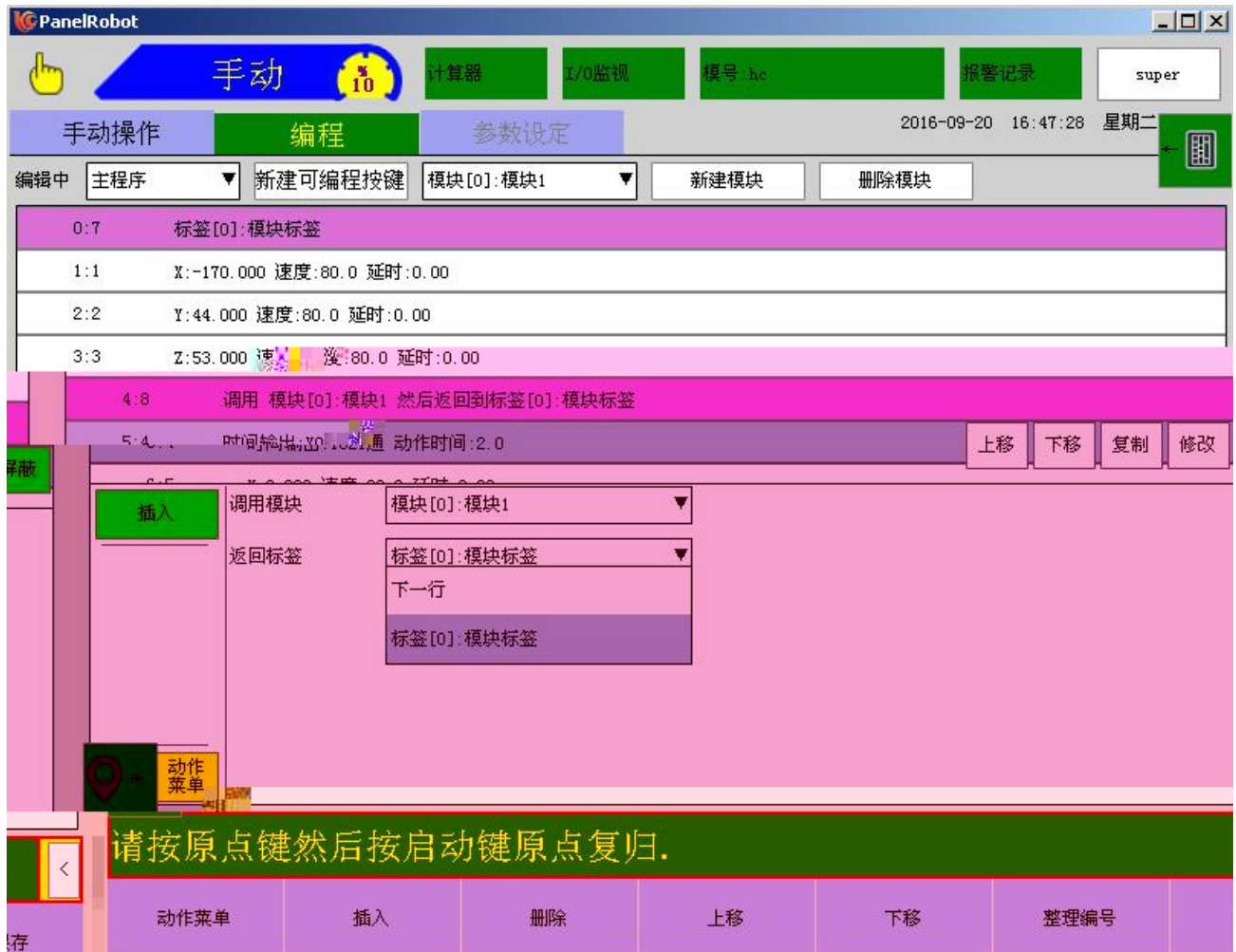
:



3.1.2.13



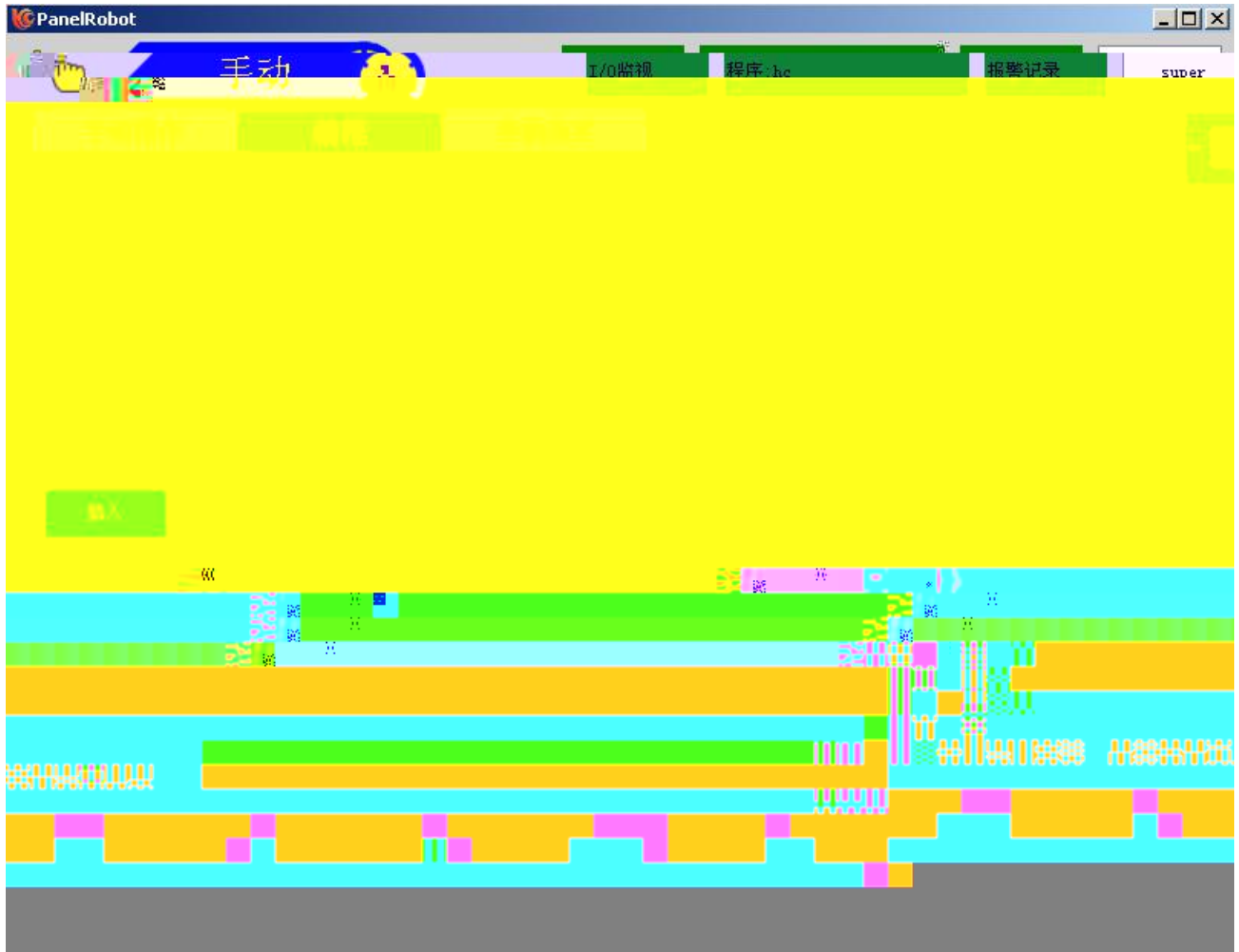
:



3.1.2.14



:

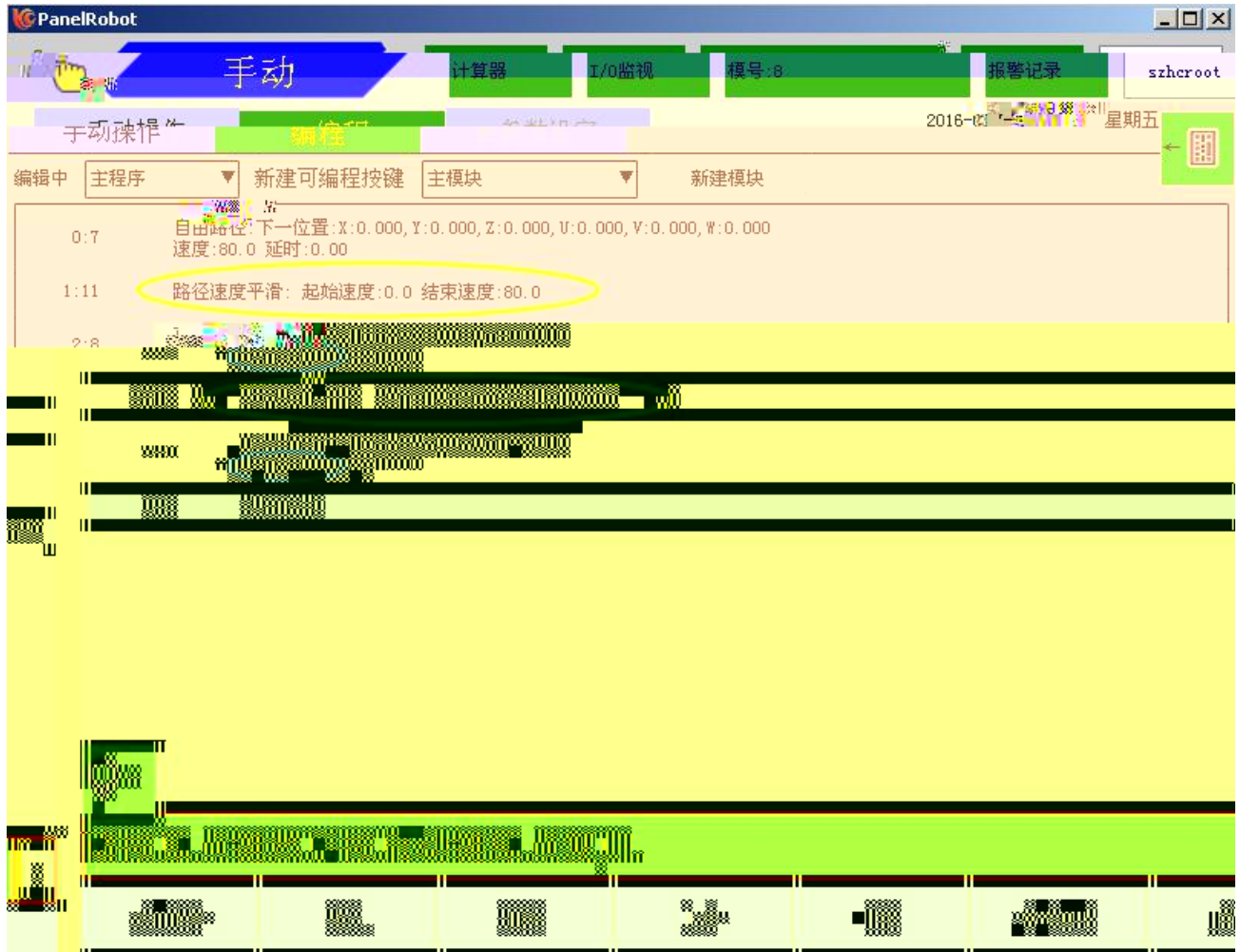


3.1.2.15



路径速度

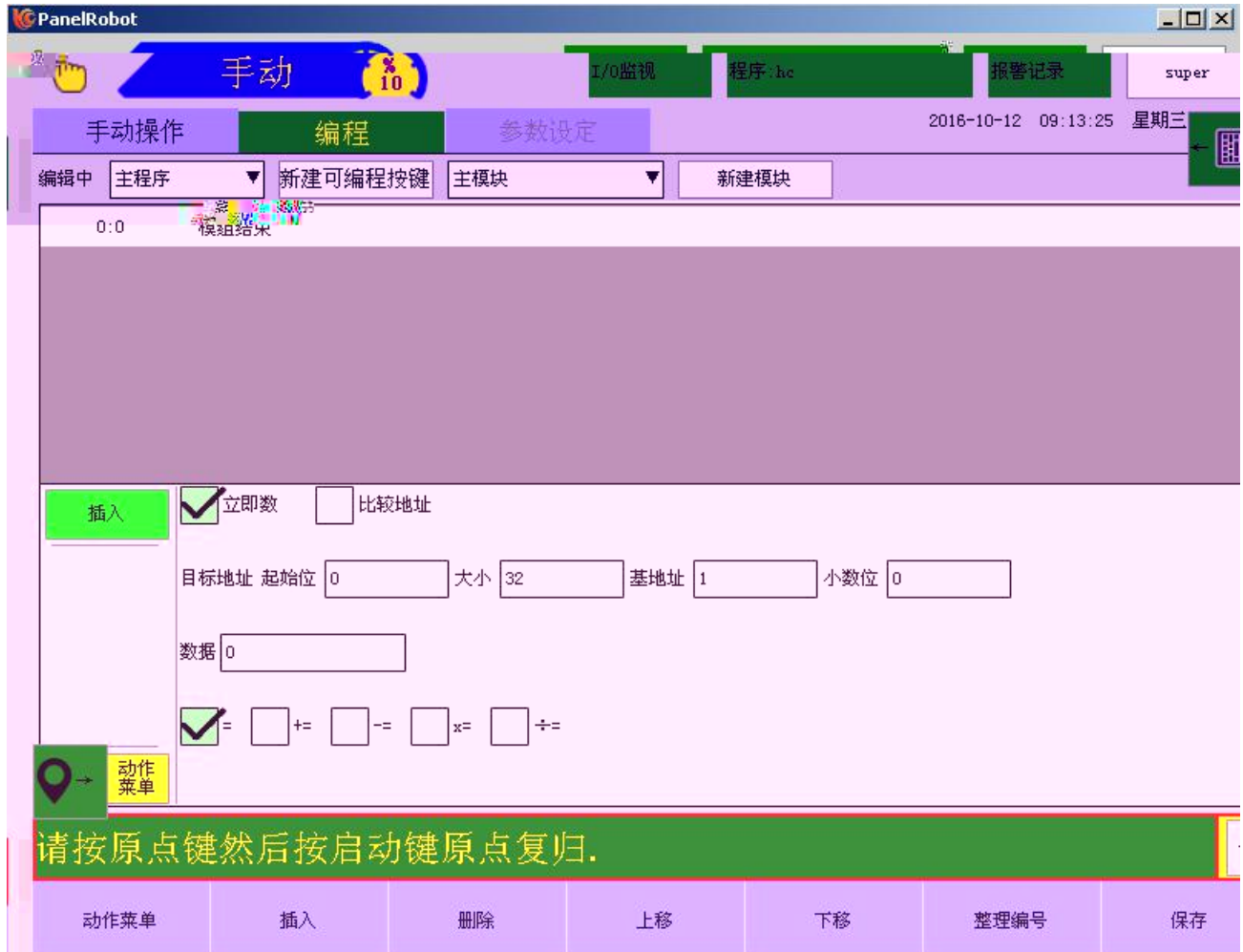
:



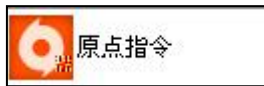
3.1.2.16



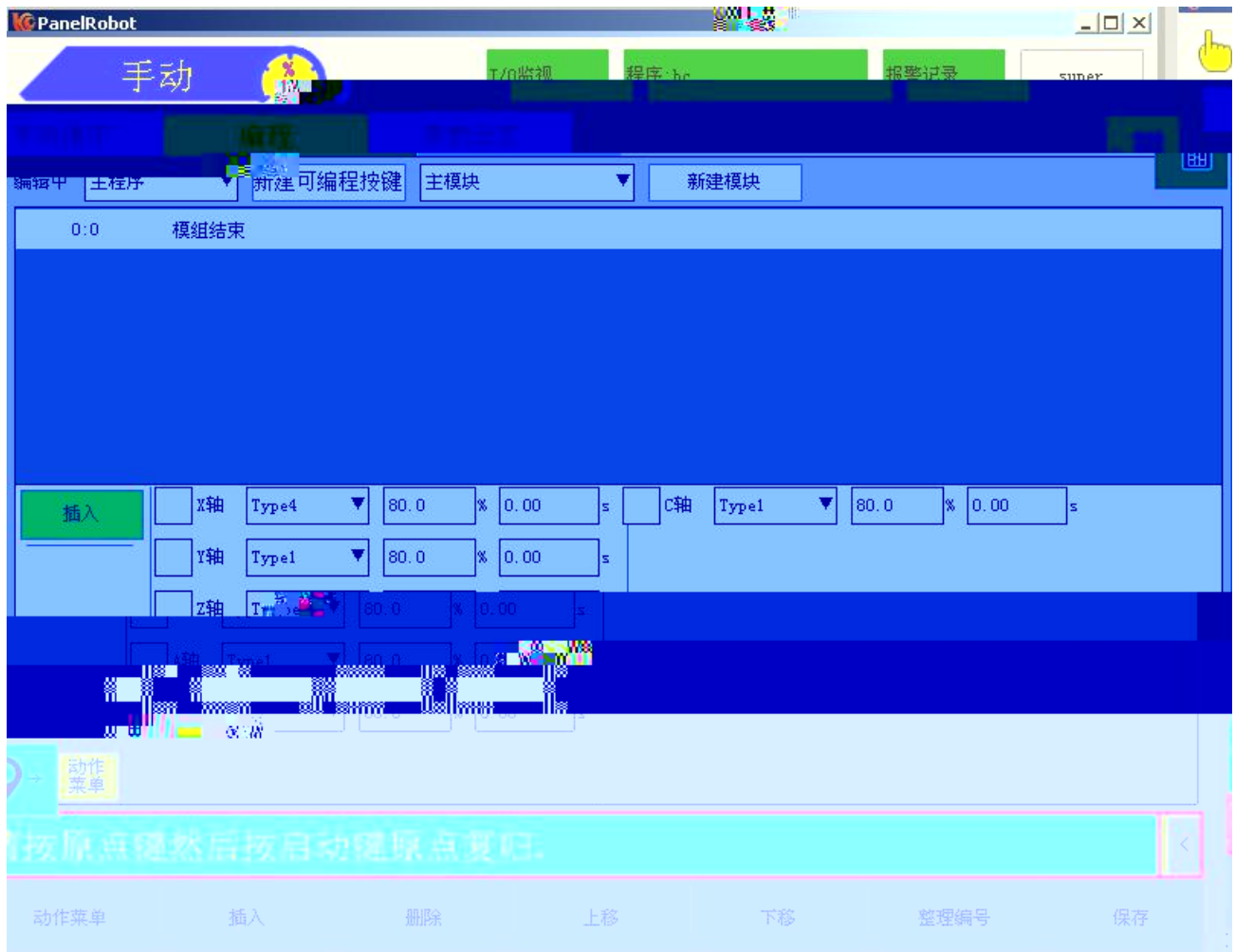
:



3.1.2.17



:



可编程按键[0]:原点

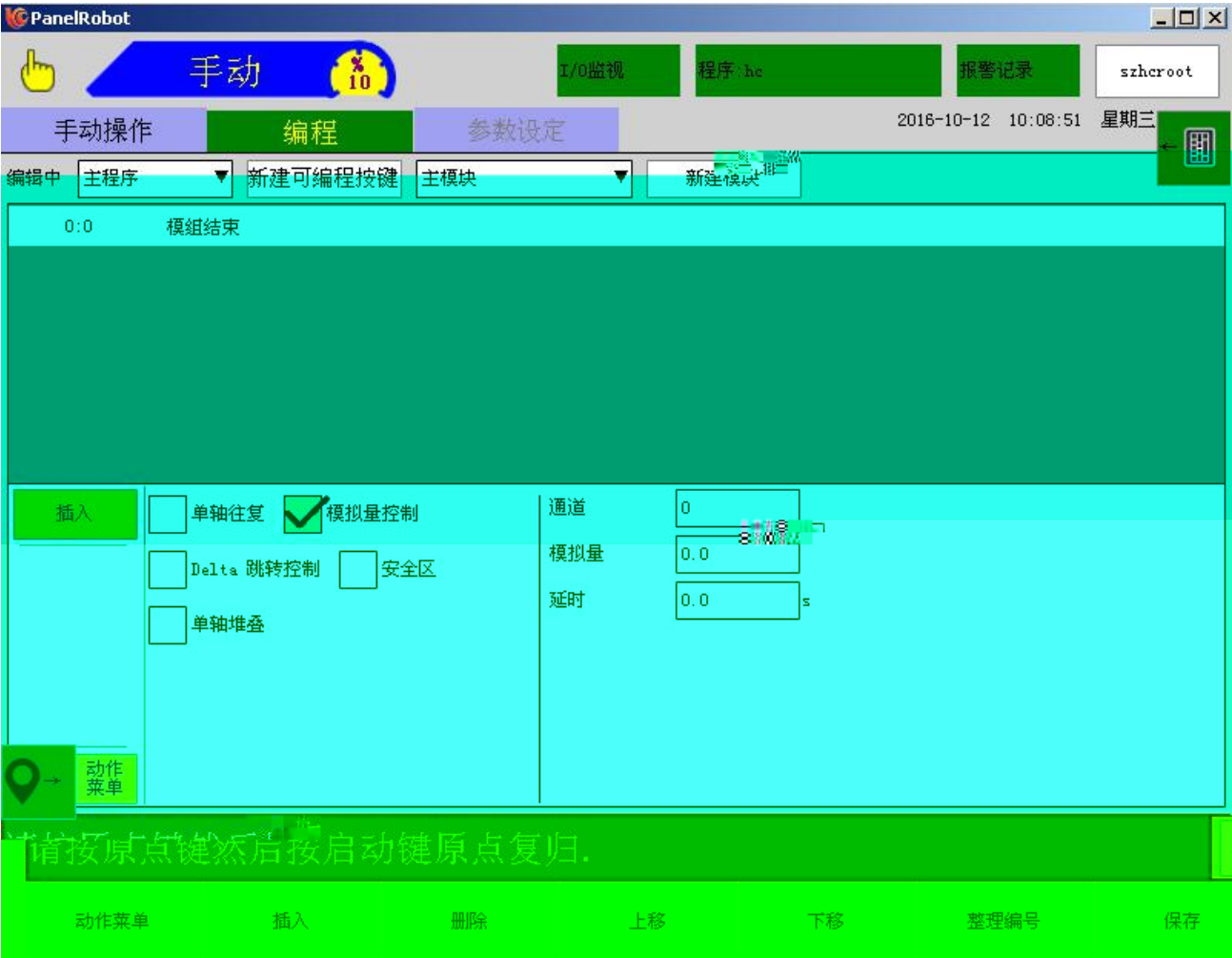
“ ”

- 1
- 2
- 3
- 4

3.1.2.18



:



1:

4.2.3

2:

“ ”

3.2

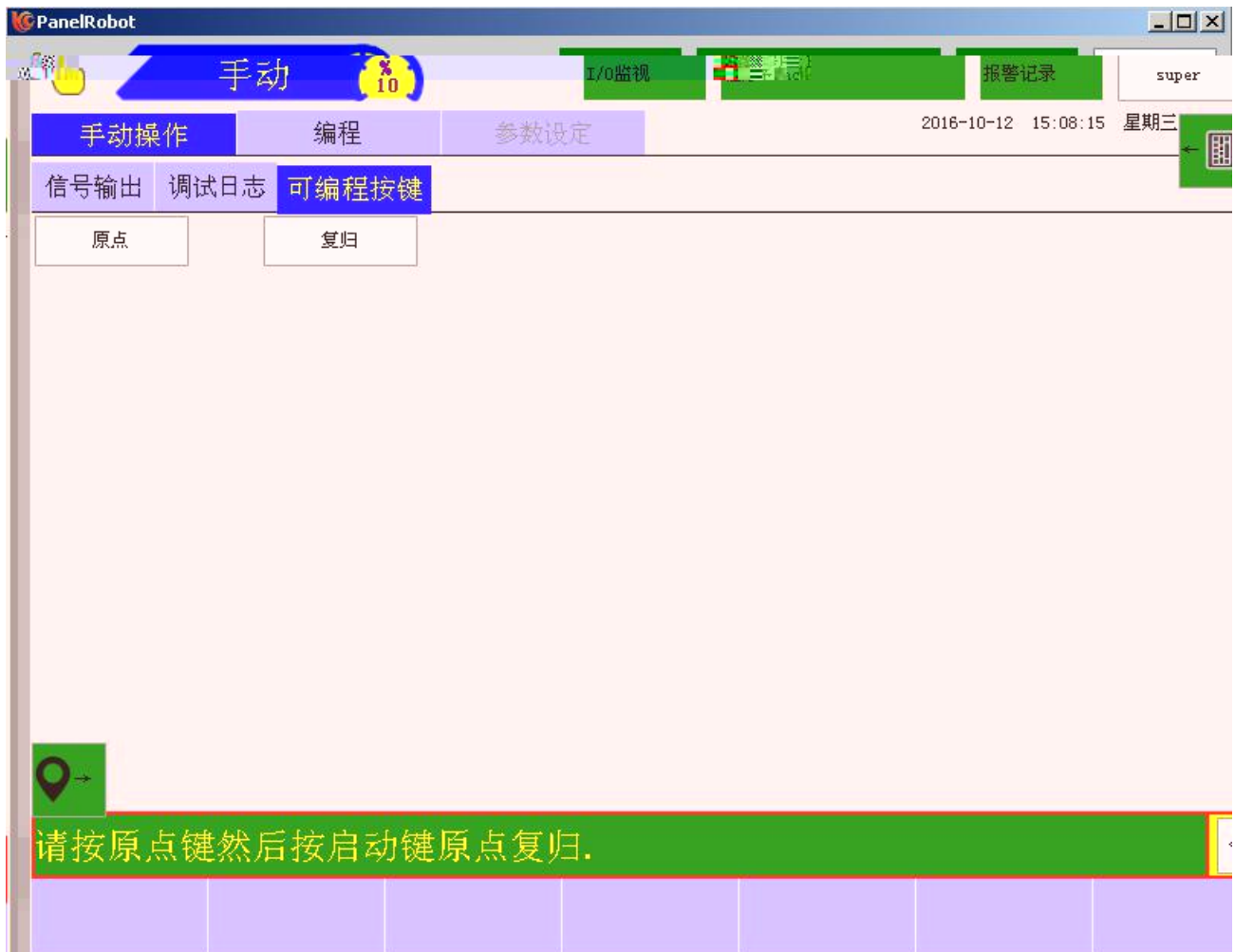
3.2.1

/111

/222



3.2.2



“ ”

4.1



/ /

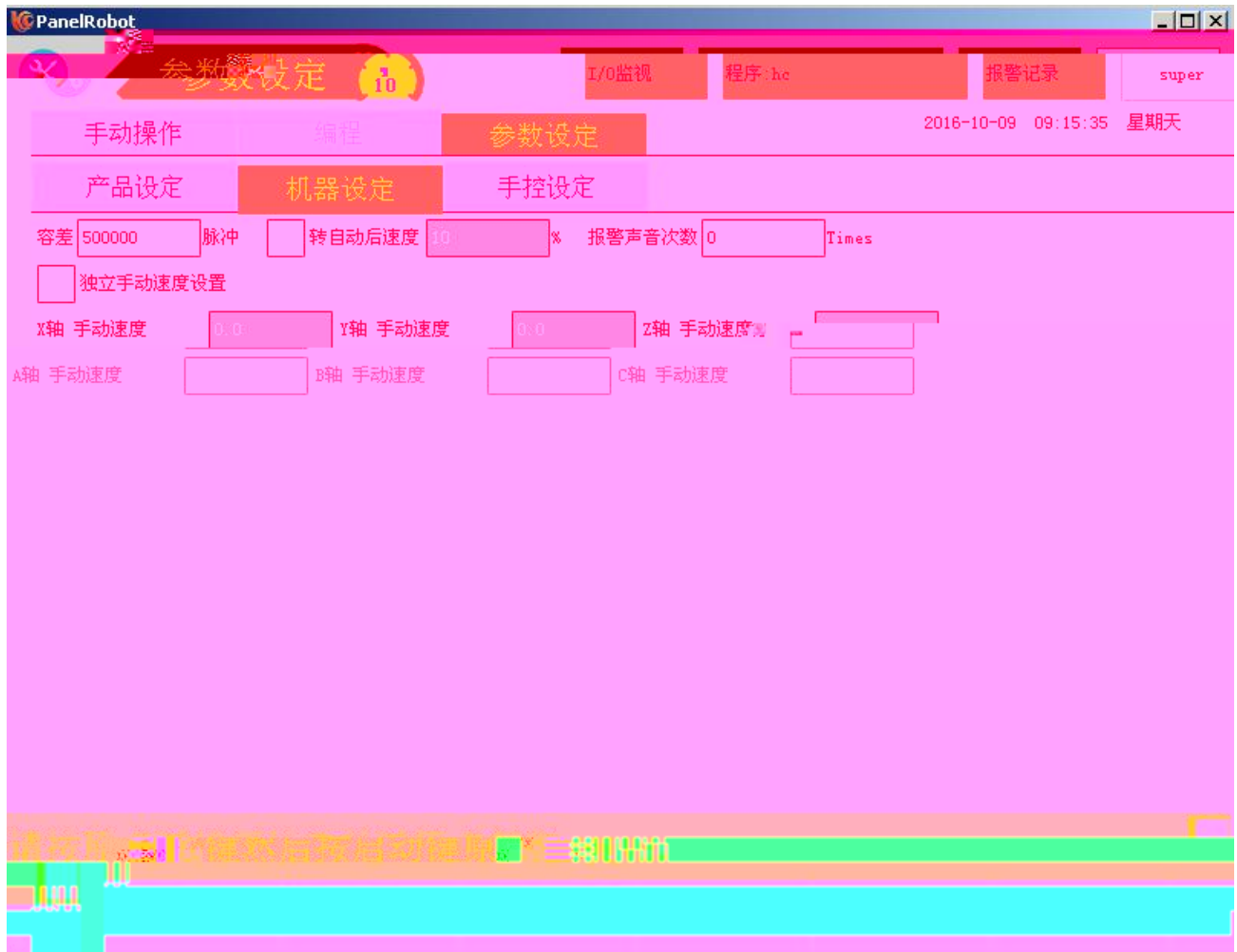
4.1.2



4.2



4.2.1



Y013

4.2.2



“ ”

“ ” “ ” “ ”

“ ” “ ” “ ”

“ ” “ CAN ” “ RS485 ”

"I"

1 ":"

1500r/min 25r/min :i=60:1

X

X

数值	输入点	数值	输入点	数值	输入点	数值	输入点
0	不使用						
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		

X

X

数值	输入点	数值	输入点	数值	输入点	数值	输入点
0	不使用						
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		

“ ”

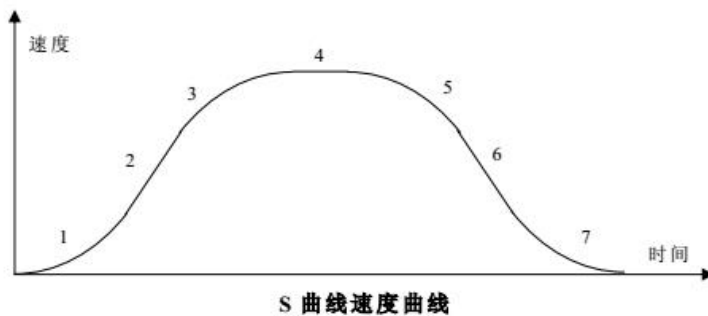
10000

10000 55536

4.2.3



S

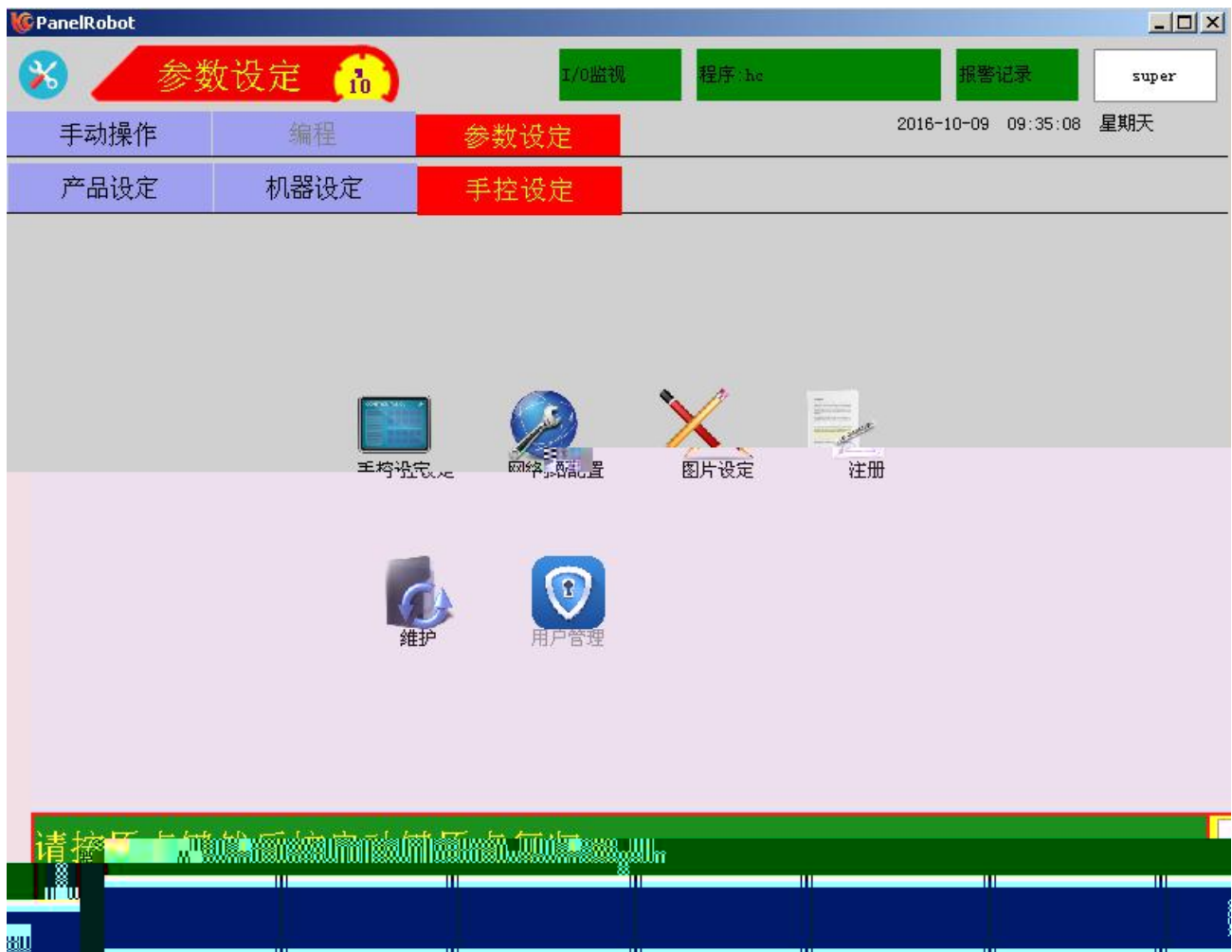


-
1. 0
 - 2.
 3. 0
 4. 0
 5. 0
 - 6.
 7. 0

S

S	1	1	“	”	
S	2	3	“	”	
S	1	5	“	m ”	Đ

4.3



4.3.1



PanelRobot

参数设定 10

I/O监视 程序:hc 报警记录 super

手动操作 编程 参数设定 2016-10-09 09:35:29 星期天

产品设定 机器设定 手控设定

语言 ☒ 中文 ☐ English

按键音 ☐ 关 ☒ 开 触摸校正

屏幕亮度 - +

屏幕保护时间 5 min

日期时间 2016 年 10 月 9 日 9 时 35 分 28 秒

请按原点键然后按启动键至原点复归。

返回

F5 F3 F4 F3 F2 F3 F1 F5

4.3.2



PanelRobot

参数设定 10

I/O监视 程序:hc 报警记录 super

2016-10-09 09:35:51 星期天

手动操作 编程 参数设定

产品设定 机器设定 手控设定

☒ 网络使能

本机IP: 192 . 168 . 10 . 201

外设目标IP: 192 . 168 . 10 . 197 : 9760

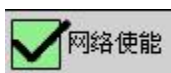
通信模式 服务器 ▼

发送测试数据

接收的内容

请按原点键然后按启动键原点复归.

返回



1

2

IP

3

IP

4

5

6

7

4.3.3



- 1
- ①

*

800*600

*

800*400
- ②
- png
- 2
- U
- HCUupdate_pic

2 U

3

4.3.4



1

1

root

A screenshot of a password input dialog box. The title bar is light blue. The main area has a light blue background. At the top, there is a label '输入密码:' followed by a text input field containing 'hc'. Below the input field, there are two buttons: a yellow button labeled '取消' (Cancel) and a green button labeled '确定' (OK). At the bottom, there is a smaller text input field also containing 'hc'.

A screenshot of a confirmation dialog box. The title bar is light blue. The main area has a light blue background. It contains the text '锁定成功，请点OK重启以生效' (Locking successful, please click OK to restart to take effect). Below the text is a green button labeled 'OK'.

2

A screenshot of a settings dialog box. The title bar is light blue. The main area has a light blue background. It contains three rows of settings, each with a label, a date/time picker, and a password field. The first row is labeled '首次时间:' (First time) and has a date picker set to '2016年 11月 1日' and a password field with '111'. The second row is labeled '过度时间:' (Transition time) and has a date picker set to '2016年 12月 1日' and a password field with '222'. The third row is labeled '重启时间:' (Restart time) and has a date picker set to '2017年 1月 1日' and a password field with '333'. At the bottom, there are two buttons: a yellow button labeled '取消' (Cancel) and a green button labeled '确定' (OK).

2

1

root



2

88888

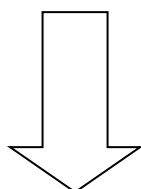
1

首次时间: 2016 年 11 月 1 日

过度时间: 2016 年 12 月 1 日

最终解锁: 2017 年 1 月 1 日

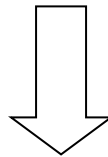
取消 确定



键盘

最小:0
最大:4000000000
精度:1

7	8	9	+	-
4	5	6	退格	
1	2	3	取消	
清空	0	.	输入	



解锁成功，请点OK重启以生效

OK



4.3.5



U

4.3.6



PanelRobot

参数设定 10

I/O监视 程序: hc 报警记录 szhcrout

手动操作 编程 参数设定 2016-10-12 09:42:29 星期三

产品设定 机器设定 手控设定

用户列表: admin
super
root
hc
ly

用户名:

密码:

☐ op
☐ mold
☐ system
☐ user
☐ root

取消 删除 确定

请按原点键然后按启动键原点复归.

返回

Op :123

Admin:123

Super:123456

Root:12345678

Op<Mold<System<User

Op:

①

②

③

Mold:	①Op	②	
System	①Op	Mold	②
User			

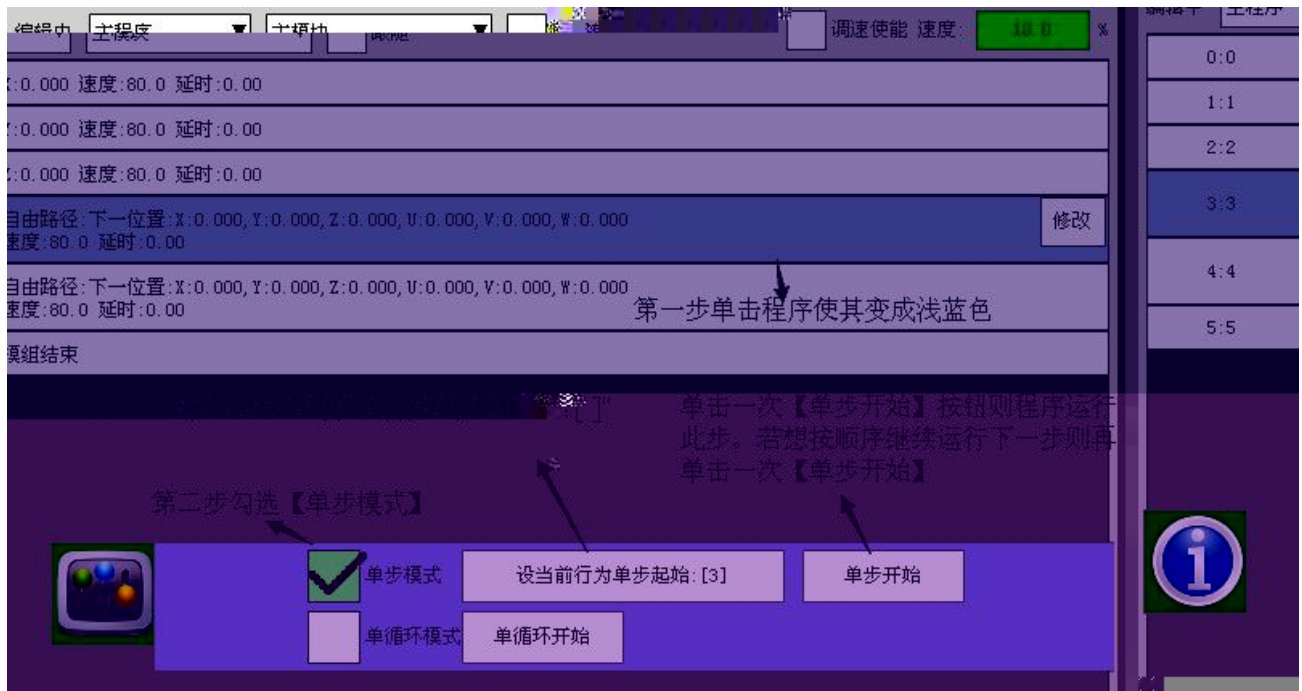
☐Op

☐Admin

☐Super

☐System

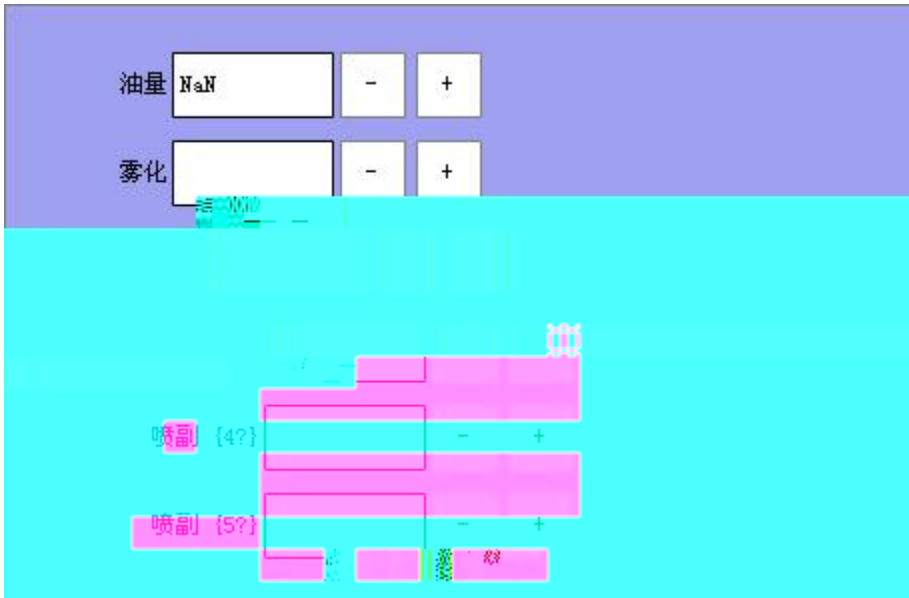
☐User



- 1
- 2
- 3 Counter



4 “ ” 4.2.3



+ 0.1

- 0.1

10 0

Err1

Err2

Err3



Err4

Err5

Err6

Err16

Err96	7	1 ;
Err97	8	
Err100	1	1 2 3
Err101	2	1 2 3
Err102	3	1 2 3
Err103	4	1 2 3

Err104	5	1 2 3
Err105	6	1 2 3
Err106	7	1 2 3
Err107	8	1 2 3
Err110	1	
Err111	2	
Err112	3	
Err113	4	
Err114	5	
Err115	6	

Err116	7	
Err117	8	
Err120	1	1
Err121	2	
Err122	3	
Err123	4	
Err124	5	
Err125	6	
Err126	7	
Err127	8	
Err130	1	1 2
Err131	2	1 2
Err132	3	1 2

Err133	4	1 2
Err134	5	1 2
Err135	6	1 2
Err136	7	1 2
Err137	8	1 2

Err140	1	1 2
Err141	2	1 2
Err142	3	1 2
Err143	4	1 2
Err144	5	1 2

Err145	6	1 2
Err146	7	1 2
Err147	8	1 2
Err150	1	-> , 1 2

Err151	2	-> , 1 2
Err152	3	-> , 1 2
Err153	4	-> , 1 2
Err154	5	-> , 1 2

Err155	6	-> , 1 2
Err156	7	-> ,
Err157	8	-> , 1 2
Err160	1	1
Err161	2	1
Err162	3	1
Err163	4	1
Err164	5	1
Err165	6	1

Err166	7	1
Err167	8	1
Err170	1	1 2 3
Err171	2	1 2 3
Err172	3	1 2 3
Err173	4	1 2 3

Err174	5	1 2 3
Err175	6	1 2 3
Err176	7	1 2 3
Err178	8	1 2 3
Err180	1	1 2 3

Err181	2	1 2 3
Err182	3	1 2 3
Err183	4	1 2 3
Err184	5	1 2 3
Err185	6	1 2 3

Err186	7	1 2 3
Err187	8	1 2 3
Err190	1	
Err191	2	
Err192	3	
Err193	4	
Err194	5	
Err195	6	

Err196 7

Err197 8

Err200

Err201

Err202

Err203

Err204

Err205

Err206

Err207

Err208

Err209

Err210

Err211

Err212

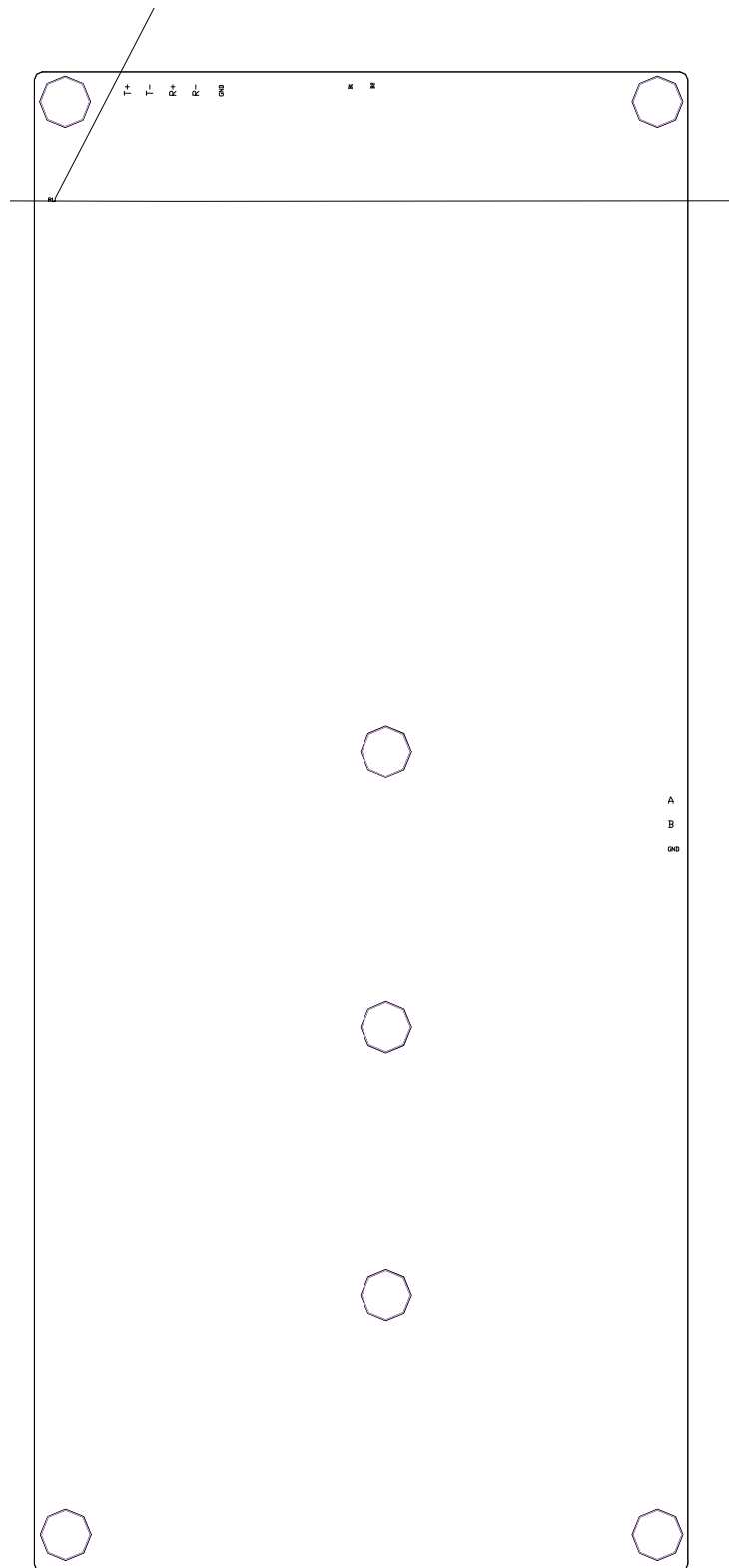
Err213

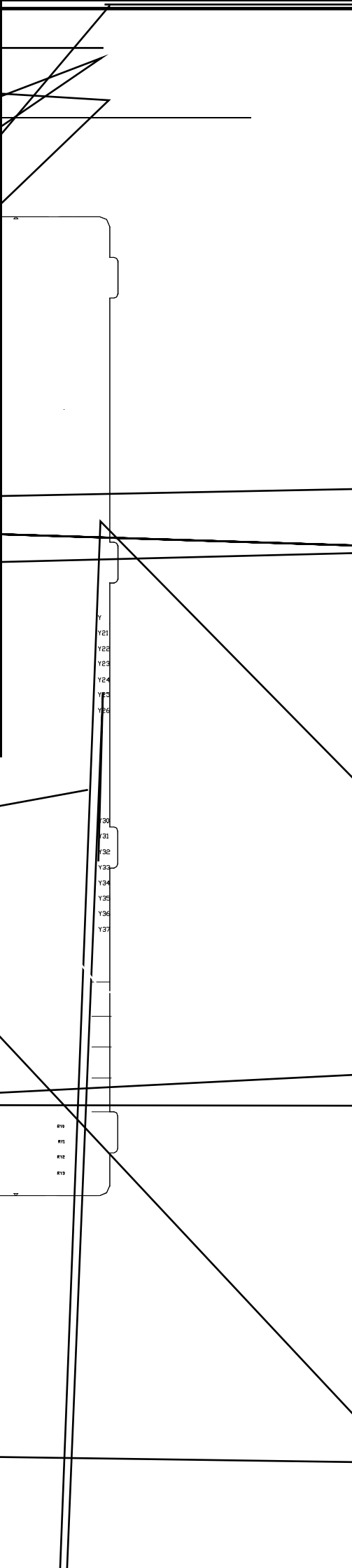
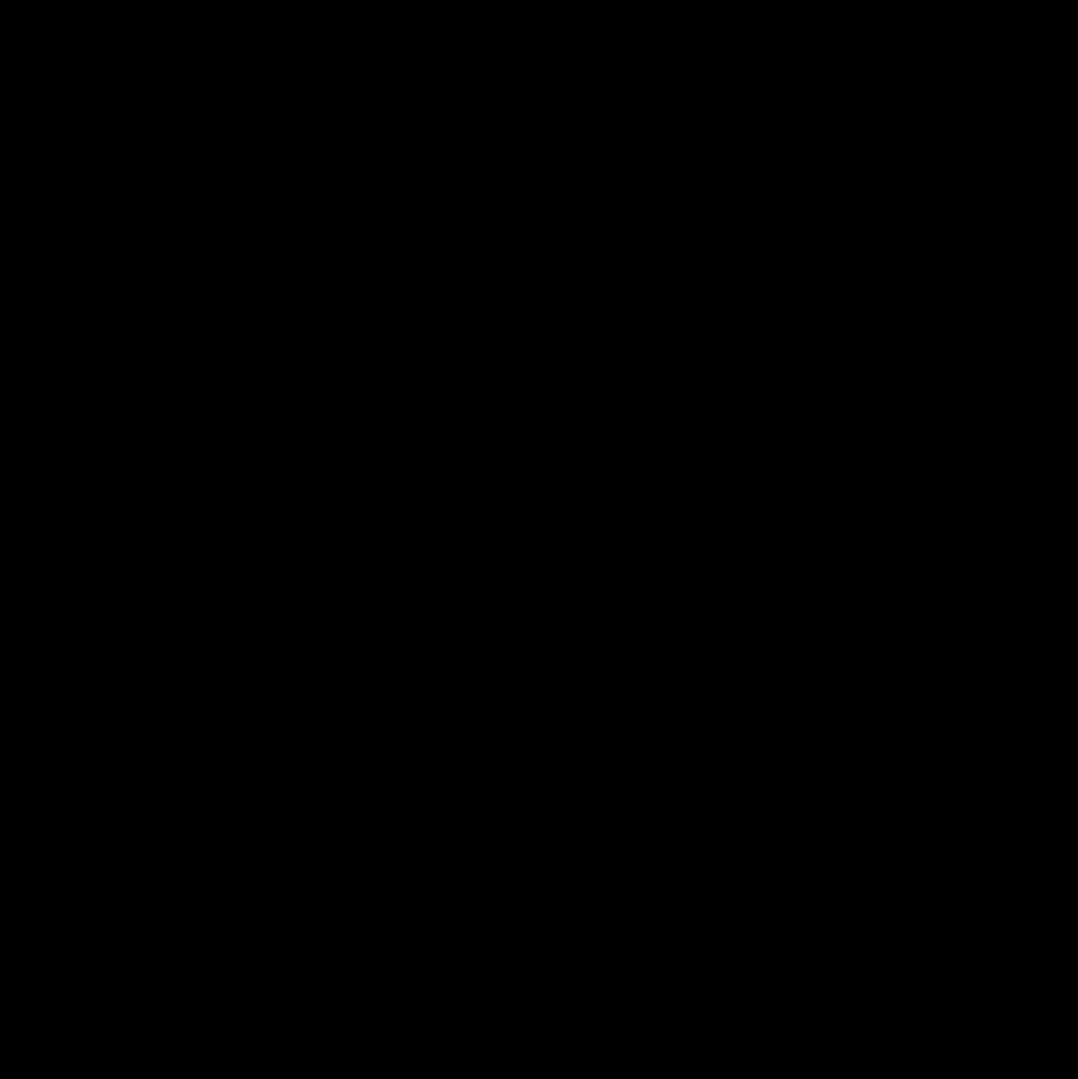
Err214		
Err215		
Err216		
Err217		
Err218		
Err219		1 0 2
Err220		
Err221		1
Err222		1 2
Err223		
Err300		
Err500	1	
Err501	2	
Err502	3	
Err503	4	
Err504	5	

Err505	6	
Err506	7	
Err507	8	
Err510	1 z	
Err511	2 z	
Err512	3 z	
Err513	4 z	
Err514	5 z	
Err515	6 z	
Err516	7 z	
Err517	8 z	
Err520	1 z	
Err521	2 z	
Err522	3 z	
Err523	4 z	
Err524	5 z	
Err525	6 z	
Err526	7 z	
Err527	8 z	
Err530	1	
Err531	2	
Err532	3	
Err533	4	
Err534	5	
Err535	6	
Err536	7	
Err537	8	

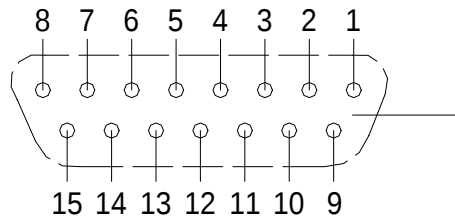
Err2048	I0	
Err4095	I0 3583	
Err5000		
Err10000		

7.1





7.3



1	+24V	9	0V
2	OA+	10	P+
3	OA-	11	P-
4	OB+	12	BRAKE
5	OB-	13	N+
6	OZ+	14	N-
7	OZ-	15	ALM
8	SON		

8.1

500Kpps,

8.2

A5

Pr0.01		0
Pr0.07		1
Pr0.08		10000
Pr0.11		2500

A

			(A5)		
10	P+		3	PULS1	1
11	P-		4	PULS2	
13	S+		5	SIGN1	2
14	S-		6	SIGN2	
2	A+	A	21	OA+	A
3	A-		22	OA-	
4	B+	B	48	OB+	B
5	B-		49	OB-	
6	Z+	Z	23	OZ+	Z
7	Z-		24	OZ-	
1	+24V	+24V	7	COM+	+
9	0V	24V	41	COM-	-
			36	ALM-	-
			10	BRKOFF-	-
15	ALRM		37	ALM+	+
8	SON		29	SRV-ON	
0V			11	BRKOFF+	+

8.3

MR E

131072 /

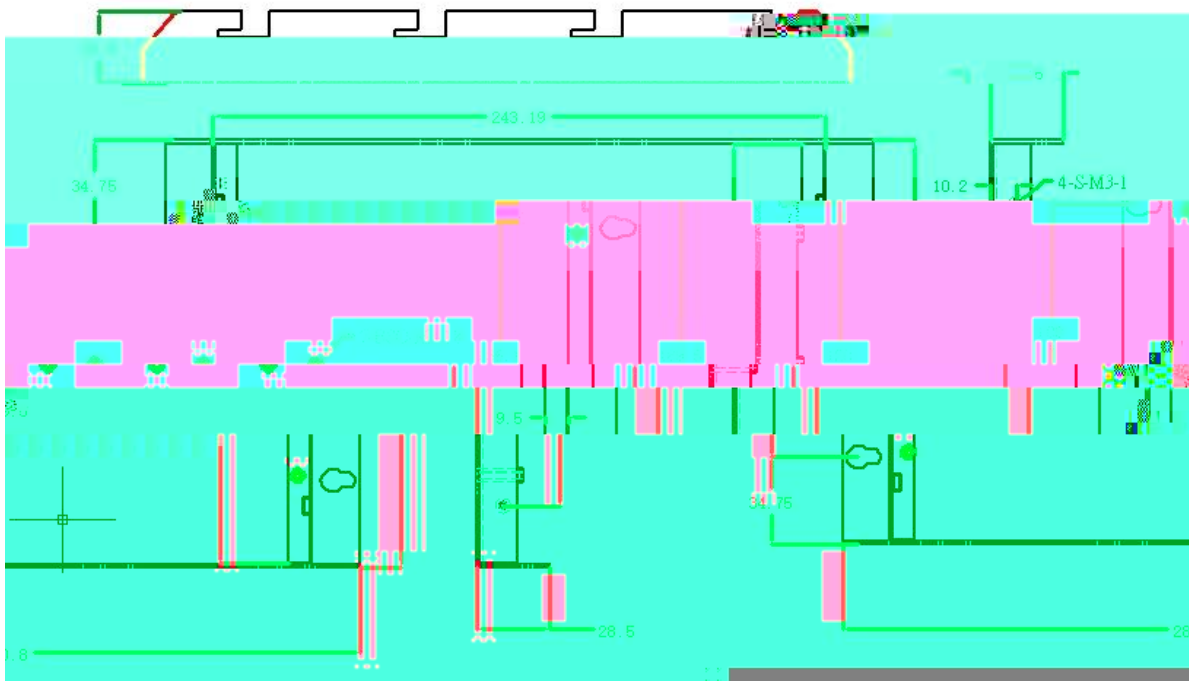
No.0		***0
No.1	1 (CN1-12)	0012
No.3		14
No.4		1
No.21		0000
No.27		14
No.54	9()	1***

MR E

			MR-E		
10	P+		23	PP	1
11	P-		22	PG	
13	S+		25	NP	2
14	S-		24	NG	
2	A+	A	15	LA	A
3	A-		16	LAR	
4	B+	B	17	LB	B
5	B-		18	LBR	
6	Z+	Z	19	LZ	Z
7	Z-		20	LZR	
1	+24V	+24V	1	VIN	DC24V +
9	0V	24V	13	SG	DC24V -
15	ALRM		9	ALM	
8	SON		4	SON	
0V			12	MBR	
CN1 6 LSP 7(LSN) 8(EMG) 13 SG					

9

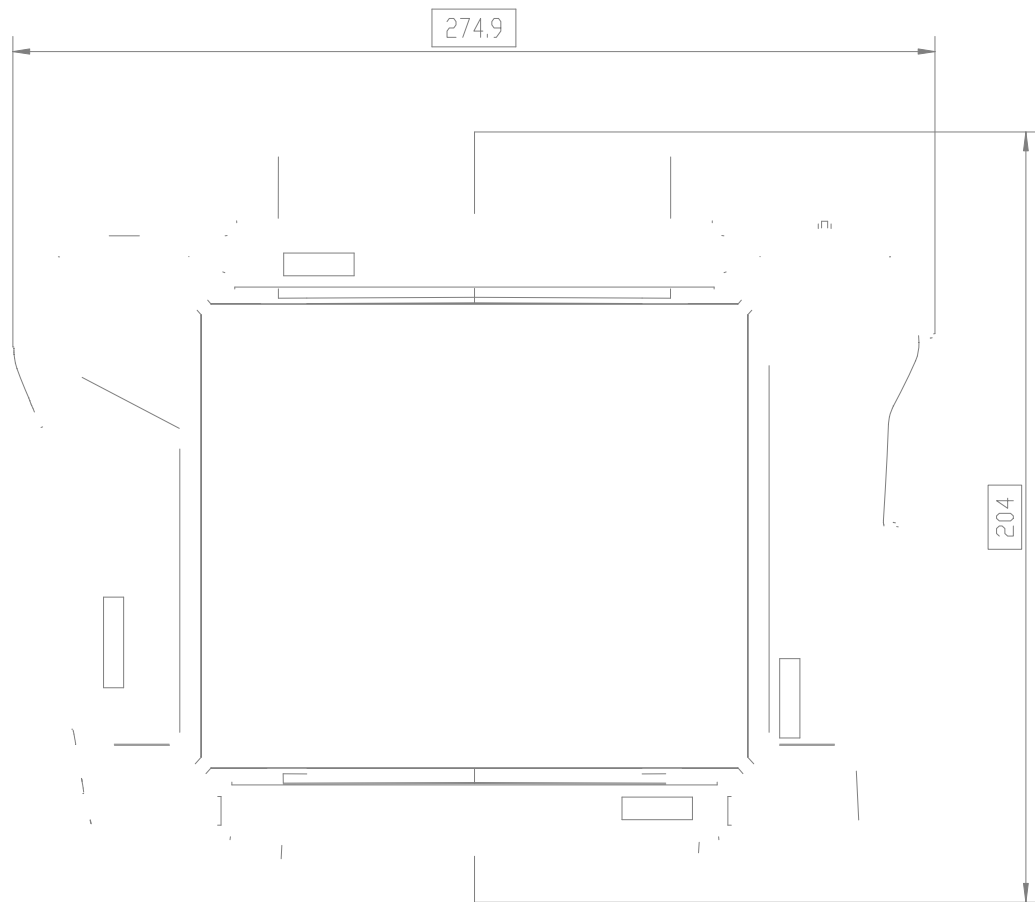
9.1



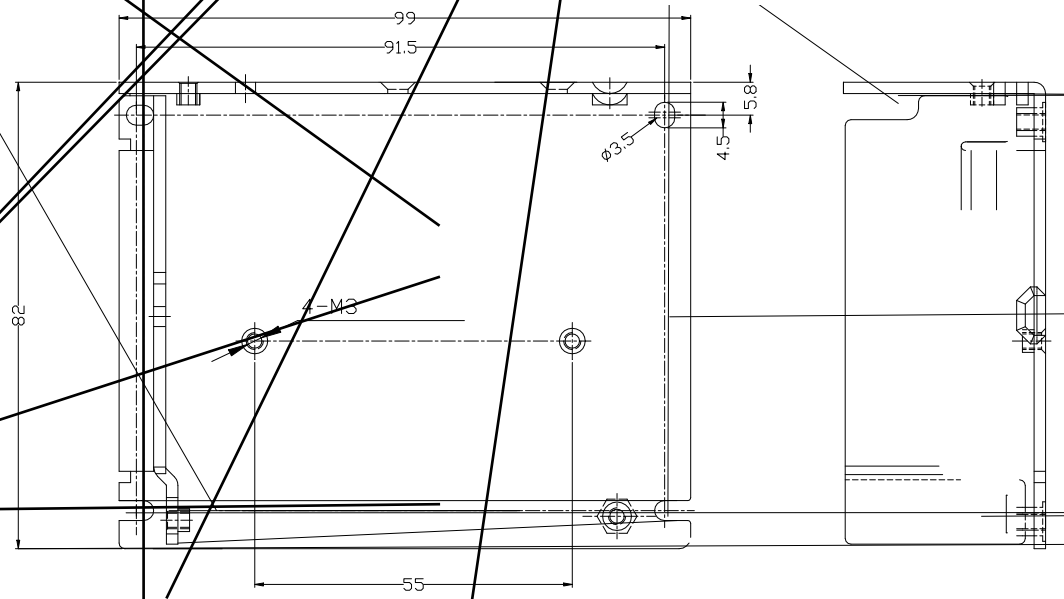
V3.0

109.4

9.2



9.3



8

518000

0755-26417678

0755-26416578

: @ - .

:// . - .



,

,