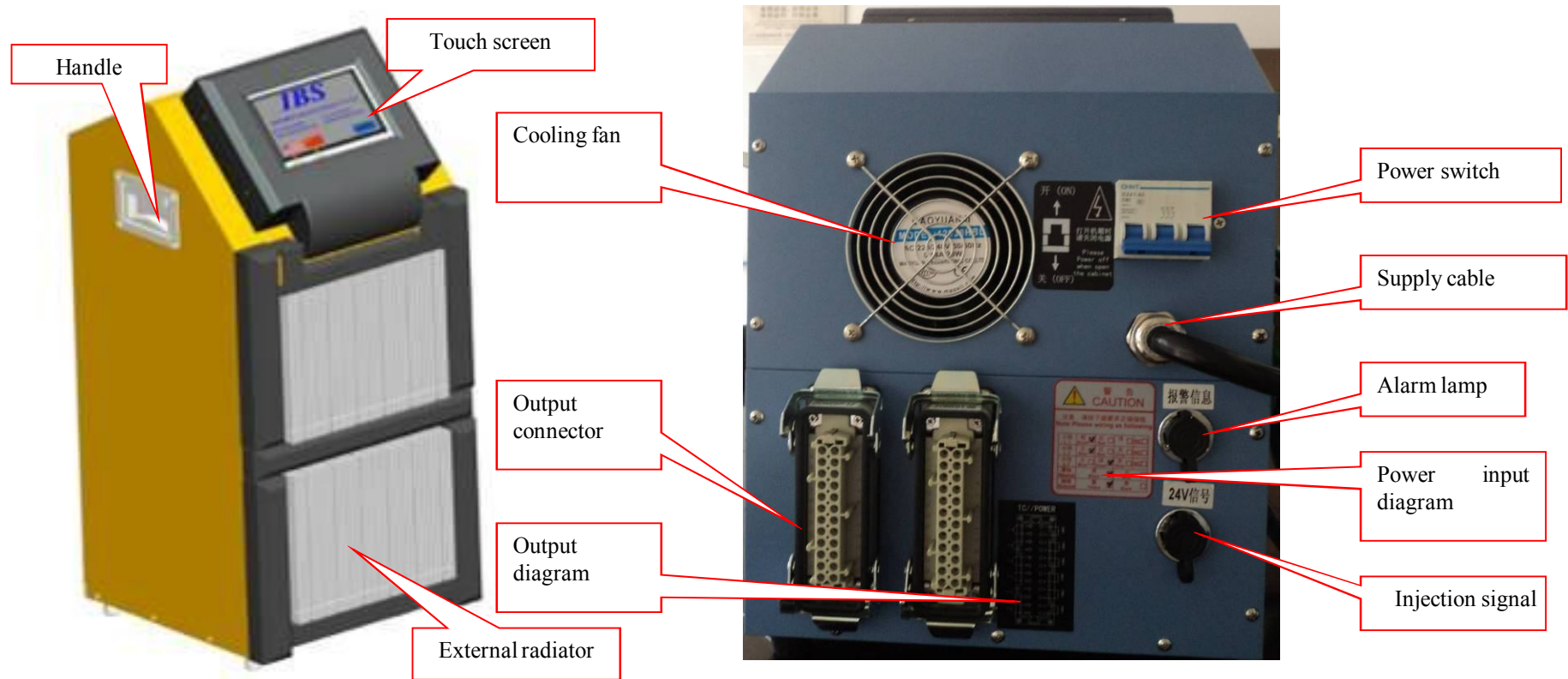


HMTC Touch screen control system

Pictures:





HMTC Touch screen control system

Specification:

- Ambient temperature: 32°F to 131°F (0°C to 55°C)
- Relative humidity : 10%-95%
- Delivery temperature: -40°F to 158°F (-40°C to 70°C)
- Power supply: AC185V-245V,50/60HZ
- T/C type: J/K
- Temperature Unit: °C/°F

- Temperature control scope:45°C to 550°C
- Temperature test precision: $\pm 3\%$
- Repeat temperature measure precision : $\pm 0.1\%$
- Temperature stable precision : $\pm 0.5\%$
- T/C cooling compensation: Dynamic tracking
- Noise restrain: common mode rejection ratio>100DB,
- Sample frequency: 10HZ(100mS)
- One point load:15A
- F1,F2,F3,F4:250V-15A(special fuse)



HMTC Touch screen control system

Function description:

- ❑ With FUZZY PID control technology, when not set PID parameters, it can auto induct to any heating models and greatly improve the work capacity
- ❑ To prevent the influence of ambient temperature during measurement, Using inner and outer ring to dynamic tracking the ambient temperature. Cold compensation with thermistor of outer ring, Dynamical removing the ambient influence to measuring circuit by precision voltage of inner ring. make the control measure more precision
- ❑ Controller can easy detect to T/C reversed or T/C Open, and will be operate according to error information and control mode when detected the problems.
- ❑ Heater current monitor
- ❑ Soft start function
- ❑ Temperature Deviation Alarms
- ❑ Manual output mode
- ❑ Non-touch transfer
- ❑ Overall error indicator, easy to find error reason
- ❑ Output module rating 15A per Point
- ❑ Simple intuitive and humanize operating interface
- ❑ Plug module design for easy maintenance;
- ❑ External radiator for high efficient dissipate heater.

BOOT SYSTEM

IBS

IBS ELECTRONIC CO.LTD

HTTP://WWW.IBSTOP.COM

EMAIL:IBS_HSY@IBSTOP.COM






ENGLISH

中文

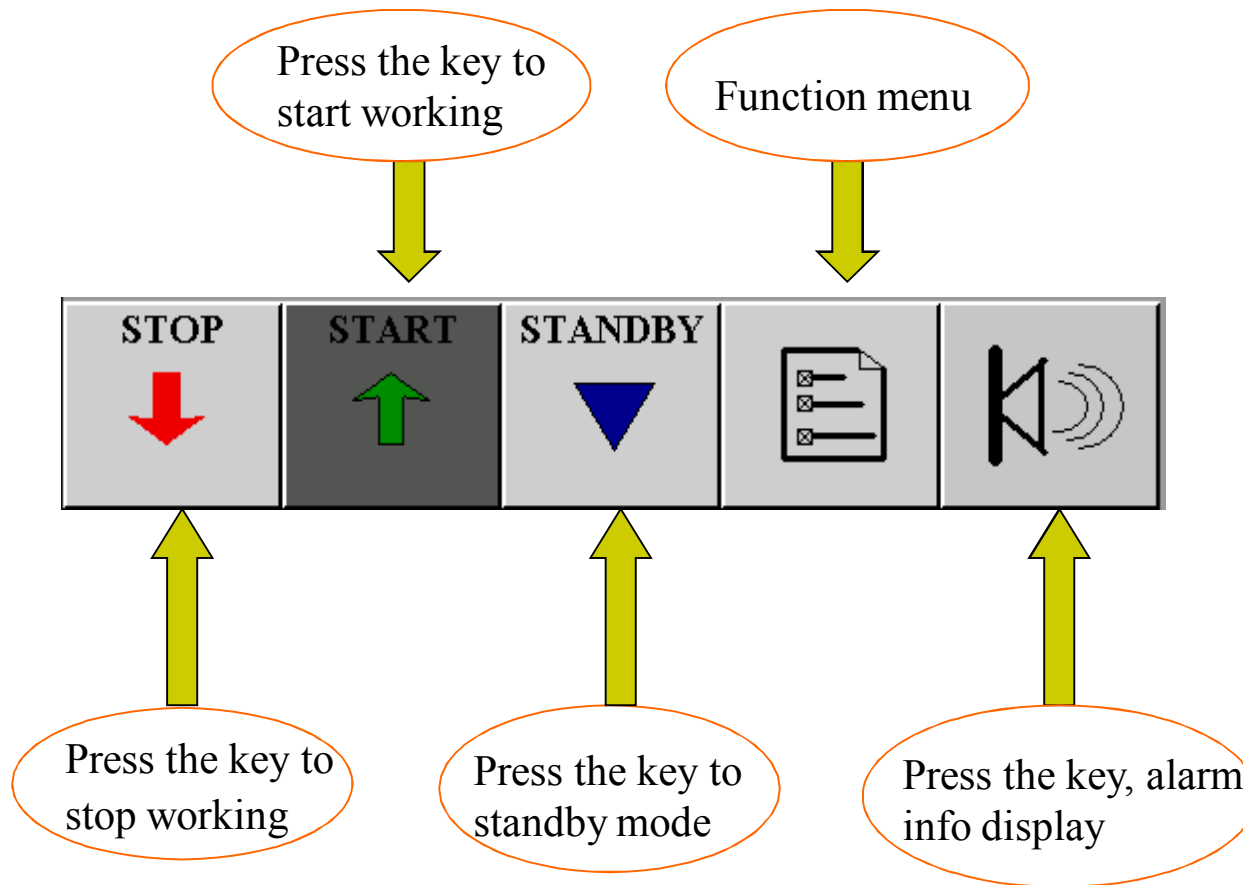


BOOT SYSTEM

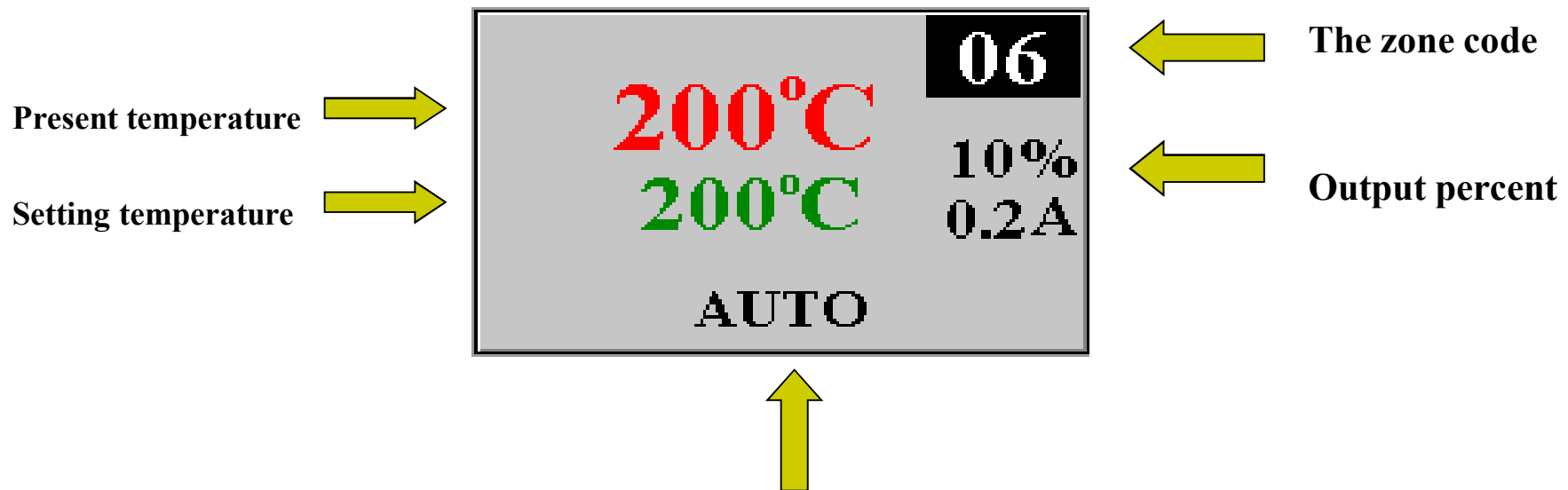
*Press  enter to control system, All zones are in OFF Mode

STOP 	START 	STANDBY 			STANDBY AUTO <input type="text" value="0"/>	
01 OFF	02 OFF	03 OFF	04 OFF	05 OFF	06 OFF	
07 OFF	08 OFF	09 OFF	10 OFF	11 OFF	12 OFF	
13 OFF	14 OFF	15 OFF	16 OFF	17 OFF	18 OFF	
19 OFF	20 OFF	21 OFF	22 OFF	23 OFF	24 OFF	

Main menu features









Single zone interface







Auto : working mode ,there are three kinds of working mode :
auto mode、 manual mode、 standby mode

Controller turn into self-test mode, then enter to following mode (it will display setting temperature 200℃、Output percent、Auto Mode)。 The controller works as original setting firstly , and works as setting parameter the next time .As shown below .

STOP 		START 		STANDBY 						 STANDBY AUTO <input type="text" value="0"/>	
200℃ 01 200℃ 10% 0.2A AUTO	200℃ 02 200℃ 10% 0.2A AUTO	200℃ 03 200℃ 10% 0.2A AUTO	200℃ 04 200℃ 10% 0.2A AUTO	200℃ 05 200℃ 10% 0.2A AUTO	200℃ 06 200℃ 10% 0.2A AUTO	200℃ 07 200℃ 10% 0.2A AUTO	200℃ 08 200℃ 10% 0.2A AUTO	200℃ 09 200℃ 10% 0.2A AUTO	200℃ 10 200℃ 10% 0.2A AUTO	200℃ 11 200℃ 10% 0.2A AUTO	200℃ 12 200℃ 10% 0.2A AUTO
200℃ 13 200℃ 10% 0.2A AUTO	200℃ 14 200℃ 10% 0.2A AUTO	200℃ 15 200℃ 10% 0.2A AUTO	200℃ 16 200℃ 10% 0.2A AUTO	200℃ 17 200℃ 10% 0.2A AUTO	200℃ 18 200℃ 10% 0.2A AUTO	200℃ 19 200℃ 10% 0.2A AUTO	200℃ 20 200℃ 10% 0.2A AUTO	200℃ 21 200℃ 10% 0.2A AUTO	200℃ 22 200℃ 10% 0.2A AUTO	200℃ 23 200℃ 10% 0.2A AUTO	200℃ 24 200℃ 10% 0.2A AUTO

Alarm info : when there is something wrong with the controller , the alarm button will flash and utter

alarm voice . then press the alarm button , it will automatically show current alarm status of alarm group

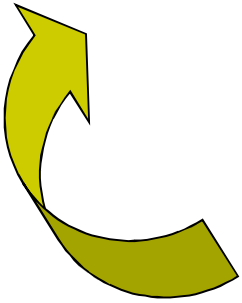
STOP 		START 		STANDBY 				STANDBY AUTO 0			
0°C 01 200°C 0% 0.0A ALARM	0°C 02 200°C 0% 0.0A ALARM	200°C 03 200°C 10% 0.2A AUTO	200°C 04 200°C 10% 0.2A AUTO	200°C 05 200°C 10% 0.2A AUTO	200°C 06 200°C 10% 0.2A AUTO	200°C 07 200°C 10% 0.2A AUTO	200°C 08 200°C 10% 0.2A AUTO	200°C 09 200°C 10% 0.2A AUTO	200°C 10 200°C 10% 0.2A AUTO	200°C 11 200°C 10% 0.2A AUTO	200°C 12 200°C 10% 0.2A AUTO
200°C 13 200°C 10% 0.2A AUTO	200°C 14 200°C 10% 0.2A AUTO	200°C 15 200°C 10% 0.2A AUTO	200°C 16 200°C 10% 0.2A OFF	200°C 17 200°C 10% 0.2A OFF	200°C 18 200°C 10% 0.2A OFF	200°C 19 200°C 10% 0.2A OFF	200°C 20 200°C 10% 0.2A OFF	200°C 21 200°C 10% 0.2A OFF	200°C 22 200°C 10% 0.2A OFF	200°C 23 200°C 10% 0.2A OFF	200°C 24 200°C 10% 0.2A OFF

Alarm information

Press this button for a long time to turn off alarm sound











STOP ↓	START ↑	STANDBY ▽			EXIT X	
01 THERMER OPEN	02 THERMER OPEN		03	04	05	06



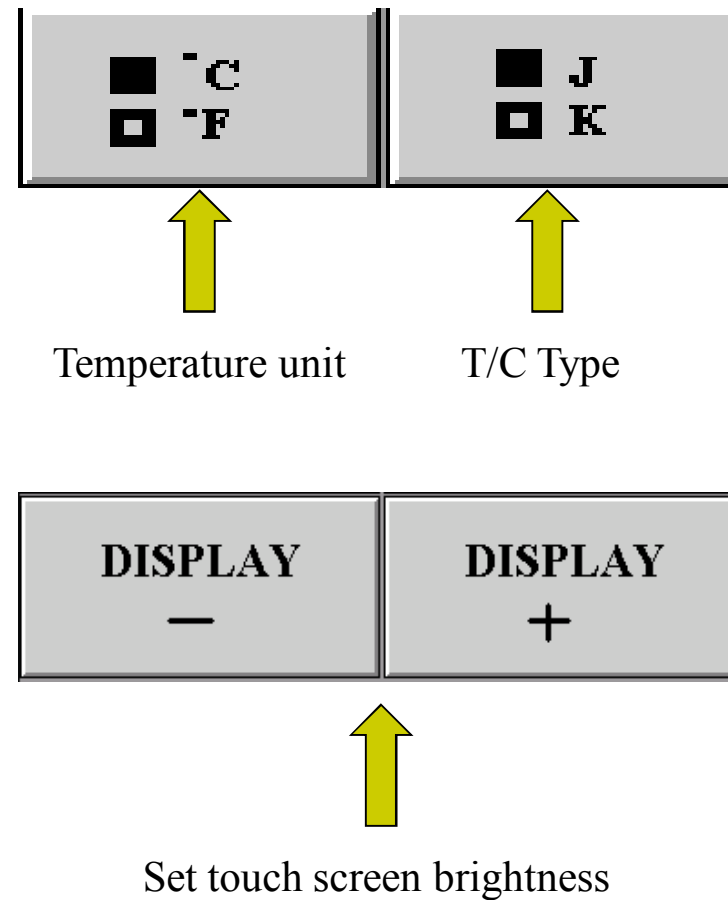
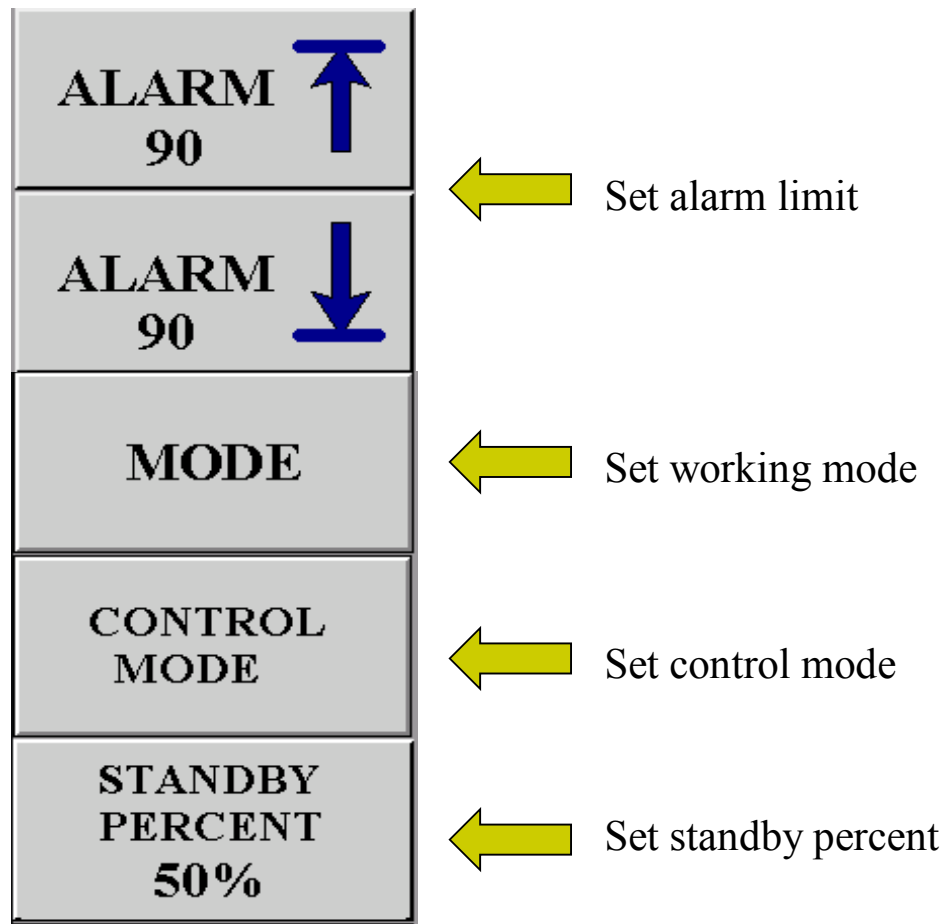
- * T/C open
- * Heater open
- * T/C revise
- * Measurement abnormal
- * Triac damaged
- * Testing loop break

Function setting interface

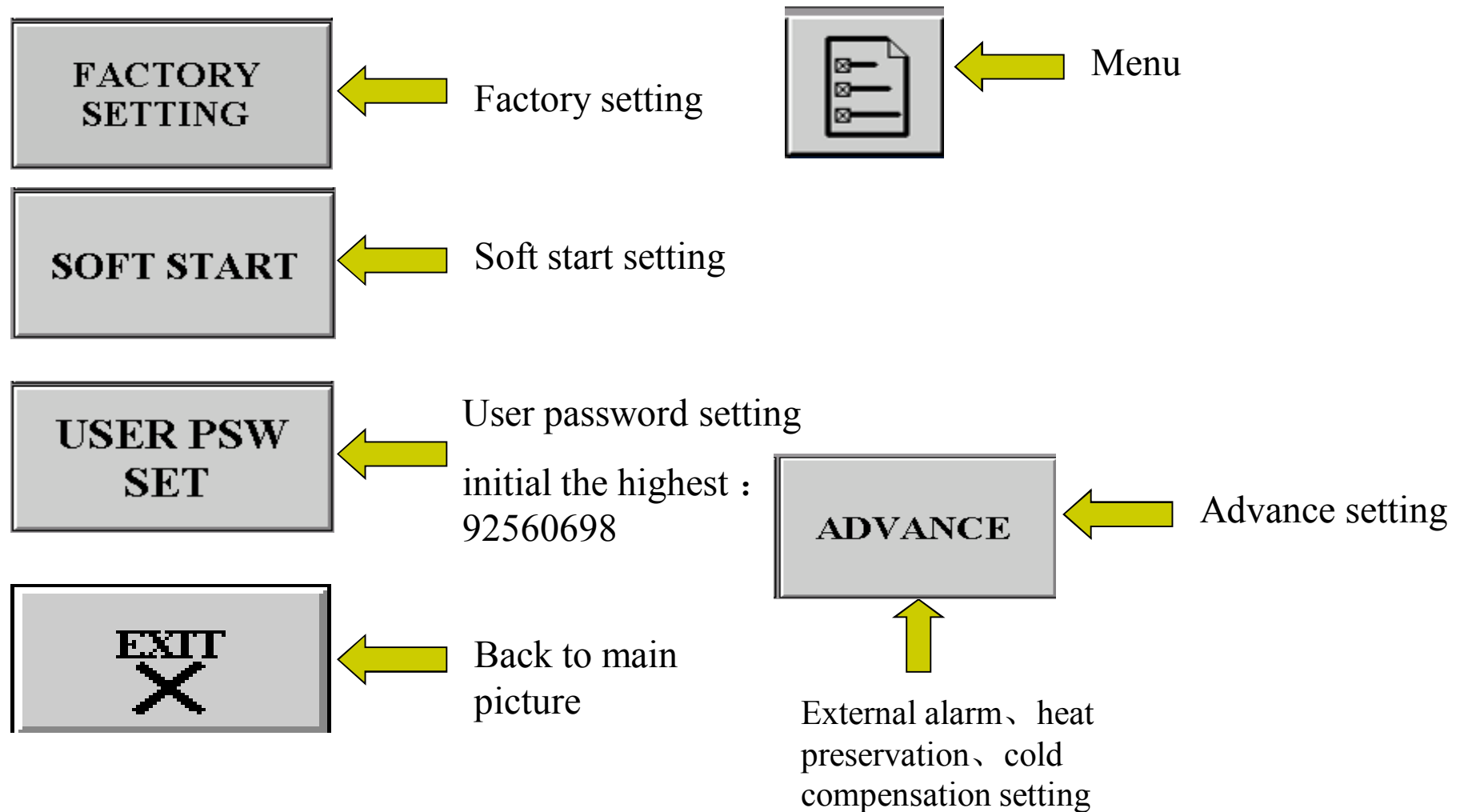
Click  enter to function setting interface as below:

STOP 	START 	STANDBY 			EXIT 	LANGUAGE
MODE	<input checked="" type="checkbox"/> °C <input type="checkbox"/> °F			<input checked="" type="checkbox"/> J <input type="checkbox"/> K		ALARM 90 
CONTROL MODE				SOFT START		ALARM 90 
STANDBY PERCENT 50%	FACTORY SETTING			USER PSW SET		ADVANCE SETTING
DISPLAY —	DISPLAY +			SYSTEM S/N: 0		Ambient 0 °C

Menu 1









Menu 2

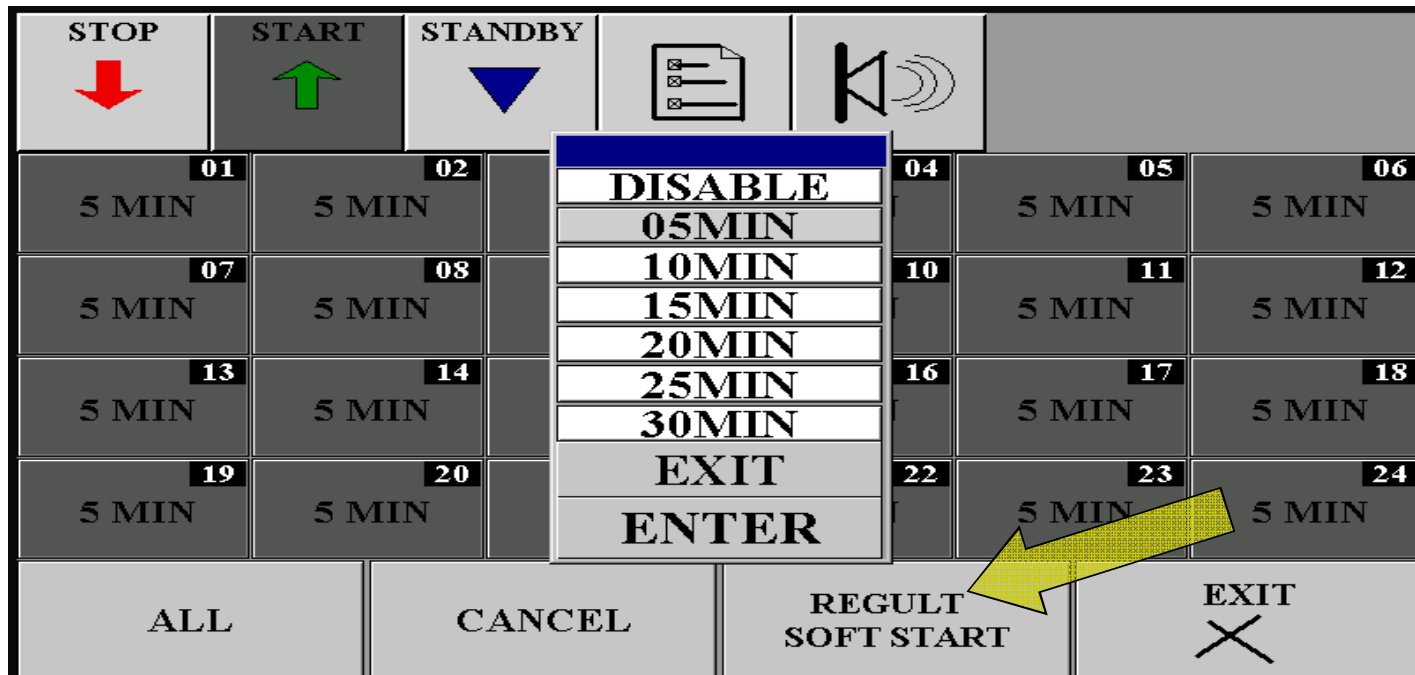


Working Mode setting

In working mode setting, you can select 1 zone or some zones (Off、Auto、Manual、Standby) , Press Enter to confirm and back.

STOP 	START 	STANDBY 				
01 AUTO	02 AUTO	03 AUTO	04 AUTO	05 AUTO	06 AUTO	
07 AUTO	08 AUTO	09 AUTO	10 AUTO	11 AUTO	12 AUTO	
13 AUTO	14 AUTO	15 AUTO	16 AUTO	17 AUTO	18 AUTO	
19 AUTO	20 AUTO	21 AUTO	22 AUTO	23 AUTO	24 AUTO	
ALL		CANCEL		REGULT MODE		EXIT 









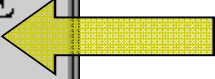
Press Soft start as below to enter setting



Press the button of soft start , set the time of soft start on or off (original value 10MIN) , this function can set a single zone or all zones . Press the key of soft start , as shown above , select working mode ; press the key of ↑↓; press the key of 01+softstart to pop small picture , Set soft start ON/OFF of single zone (the time of opening : 05-30mins) ; Press the key of ALL +soft start to set all zones and press the key of ↑↓in the small picture to select the time of soft start on or off (the time of opening : 05-30mins) . Press the ENTER key to enter , press the BACK key to return .

Advance setting

1. Click  enter to function setting, click ADVANCE key as below:

STOP 	START 	STANDBY 			EXIT 	LANGUAGE
MODE	<input checked="" type="checkbox"/> °C <input type="checkbox"/> °F			<input checked="" type="checkbox"/> J <input type="checkbox"/> K	ALARM 90 	
CONTROL MODE				SOFT START	ALARM 90 	
STANDBY PERCENT 50%	FACTORY SETTING			USER PSW SET	ADVANCE SETTING 	
DISPLAY —	DISPLAY +			SYSTEM S/N: 0	Ambient 0 °C	

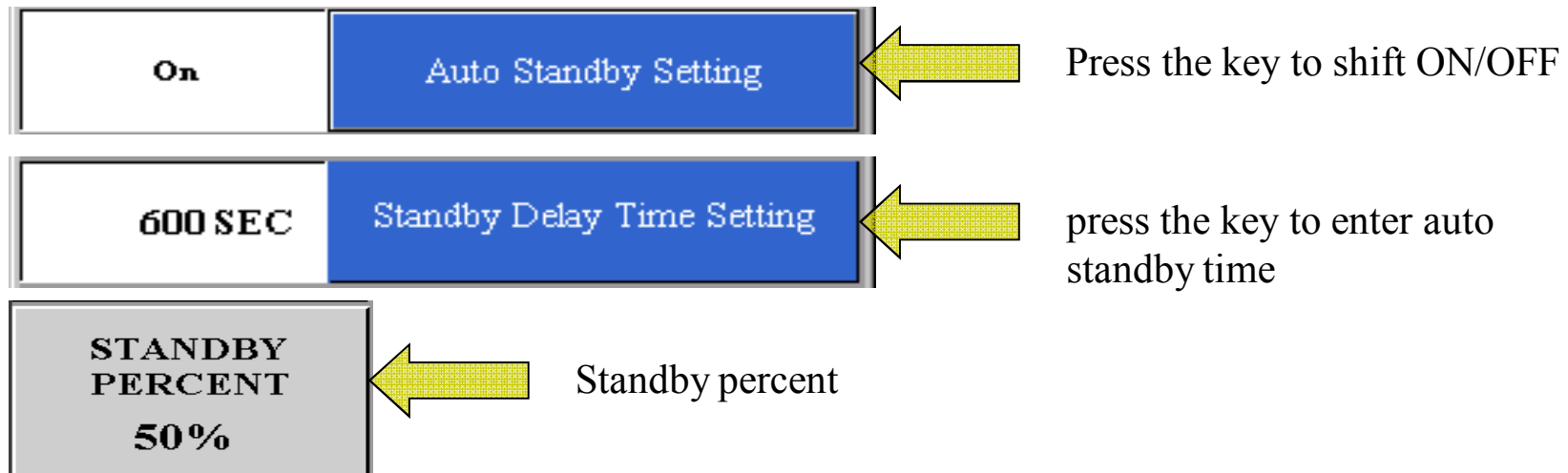
Advance data setting

2. Introduction of advance setting interface

ALARM AND AUTO STANDBY SET			
On	Auto Standby Setting	←	Auto standby setting-ON
On	External Alarm Setting	←	External alarm setting-ON
On	External Bell Setting	←	External bell setting-ON
On	T/C Cold_End Tracking	←	T/C cold _end tracking-ON
600 SEC	Standby Delay Time Setting	←	Auto standby delay time setting
0.5 SEC	Red_Light On Time Setting	←	External alarm red_light on time setting
0.5 SEC	Red_Light Off Time Setting	←	External alarm red_light off time setting

How to start Auto Standby

1. Make Auto standby setting state ON, and set standby delay time & standby percent.



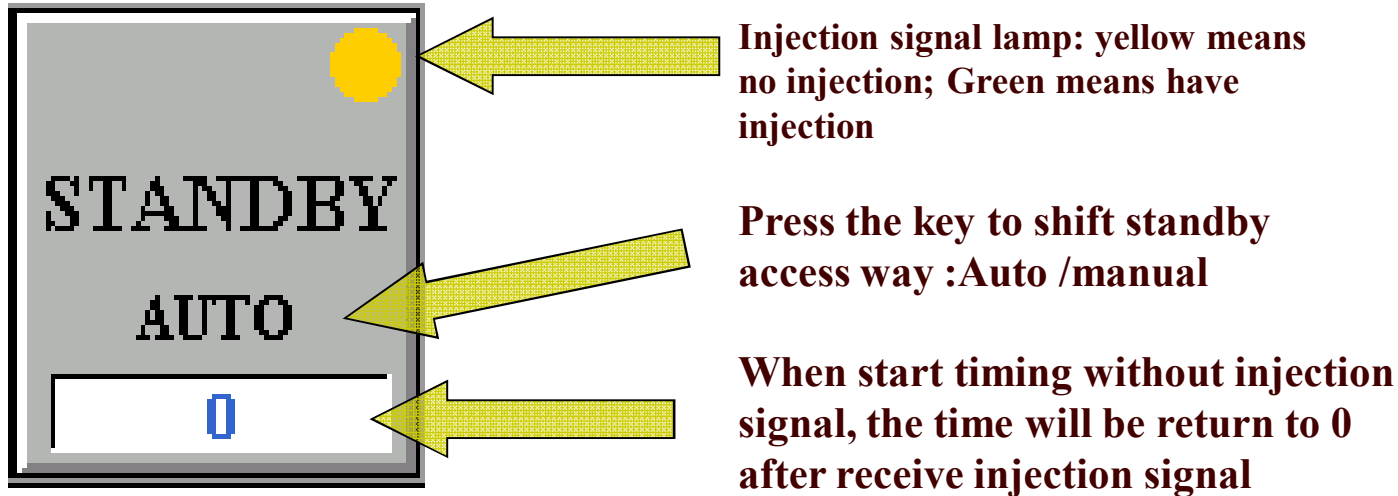
Note: 1. When injection Mold stop or have problem ,The control system will enter to heat preservation automatically. To help plastic raw material in Mold keep in safe temperature;


2.Stanby delay time setting should be at least 3 times than injection cycle time:

3. ; Zone standby temperature=Standby percent * Zone setting temperature. For example: when standby percent is 80,zone setting temperature is 200 C, The zone standby temperature is 160C.

How to start Auto standby

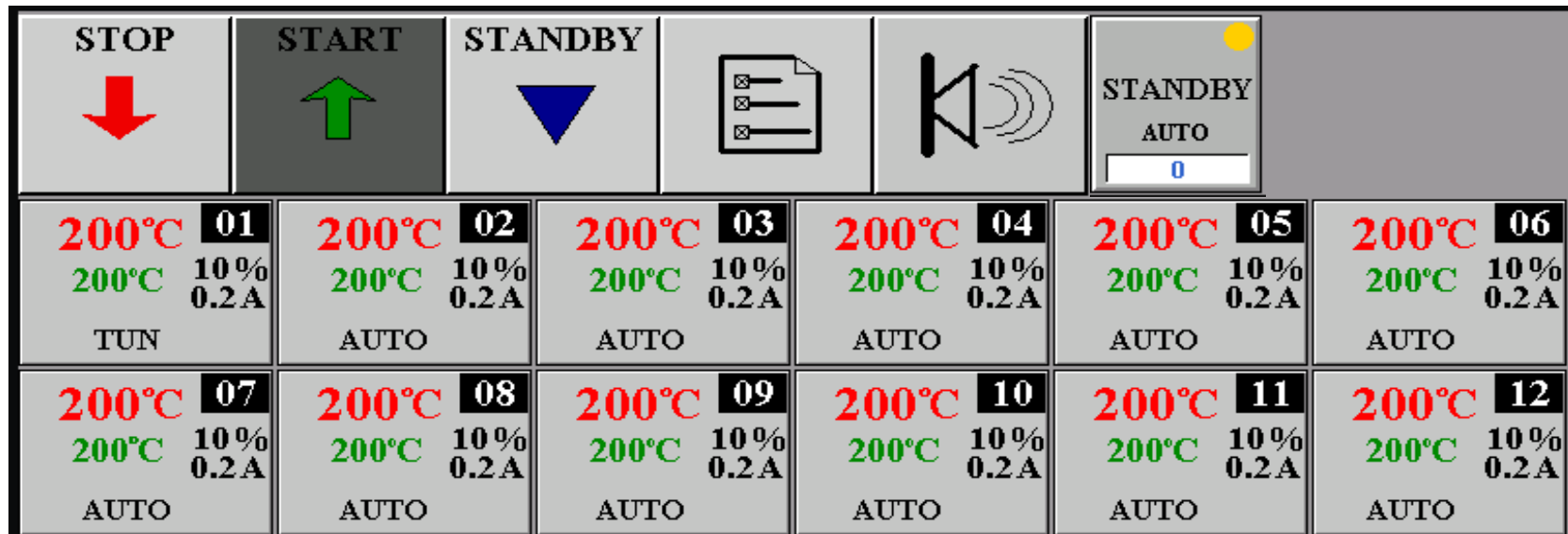
2. Instruction of standby access way and injection signal lamp.



- Note:
1. The timer will not start until control system receive the first valid injection signal:
 2. The system will auto enter to standby when the timer time bigger than standby delay time setting;
 3. When standby access way is Manual, Need to click  enter to standby interface

How to start Auto standby

3. Click , to set the standby way in AUTO, Auto standby timer start:








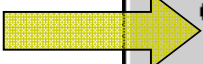



Note: 1. Before this operation, Be sure Injection Mold have enter to Auto Injection mode, Otherwise, it will be not allow to proceed ;

2. Before this operation, Be sure the signal cable have connect with Injection mold. Otherwise it will not enter Auto standby mode.

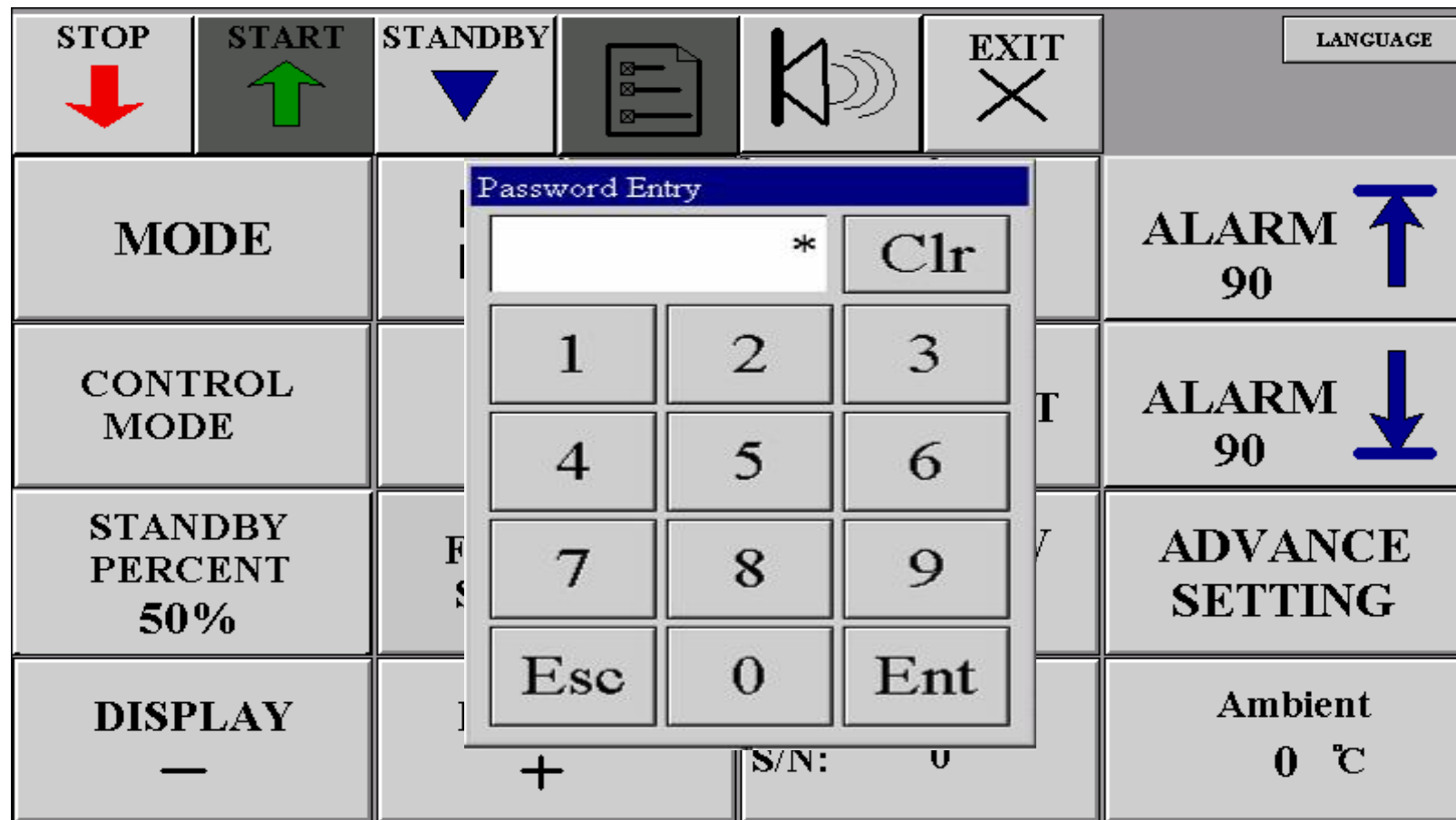
Change points control mode

1. Press  enter to Function setting Picture ,Then click **CONTROL MODE** as below:

STOP 	START 	STANDBY 			EXIT 	LANGUAGE
MODE	<input checked="" type="checkbox"/> °C <input type="checkbox"/> °F		<input checked="" type="checkbox"/> J <input type="checkbox"/> K		ALARM 90 	
 CONTROL MODE			SOFT START		ALARM 90 	
STANDBY PERCENT 50%	FACTORY SETTING	USER PSW SET	ADVANCE SETTING			
DISPLAY —	DISPLAY +	SYSTEM S/N: 0	Ambient 0 °C			








Change points control mode

2. When first time use function menu, need to enter user level password, The initial third level password is 3. Click ENT to confirm and back, Click CONTROL MODE again:



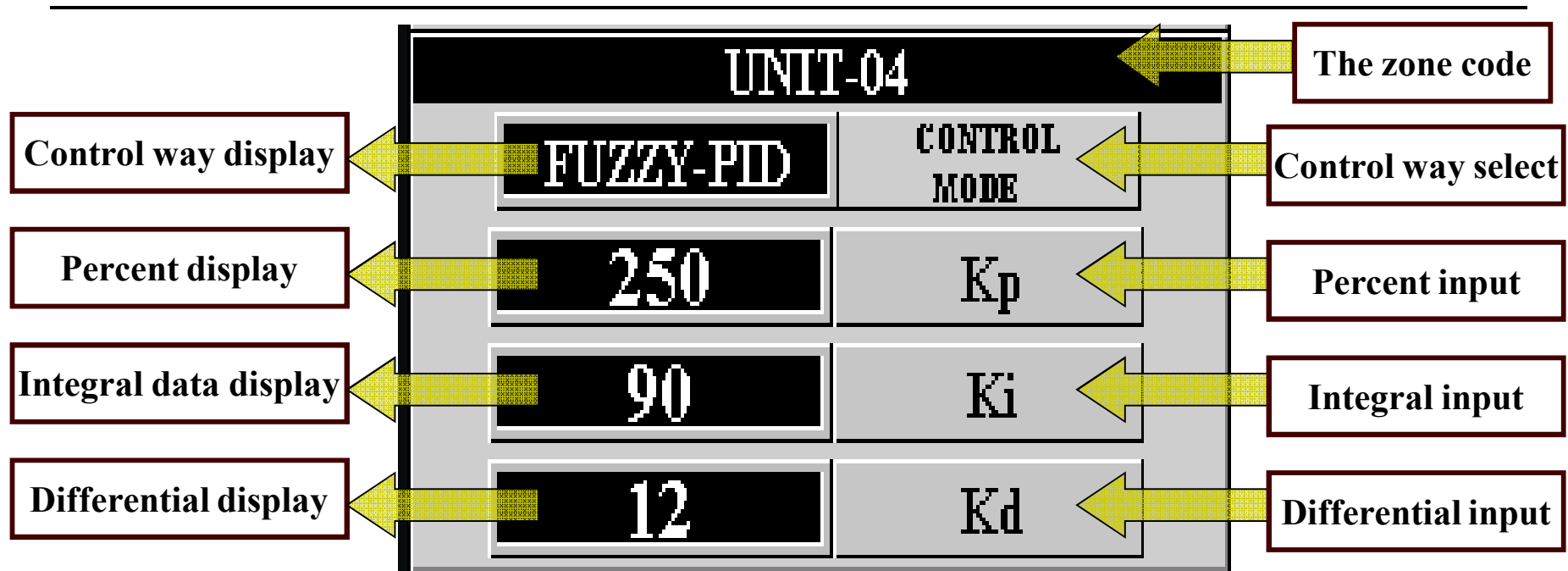
Change points control mode

3. All zones factory setting are: CMODE-FUZZY-PID、Kp-250、Ki-90、Kd-12

STOP 	START 	STANDBY 					EXIT
UNIT-01			UNIT-02			UNIT-03	
FUZZY-PID	CONTROL MODE	FUZZY-PID	CONTROL MODE	FUZZY-PID	CONTROL MODE	FUZZY-PID	CONTROL MODE
250	Kp	250	Kp	250	Kp	250	Kp
90	Ki	90	Ki	90	Ki	90	Ki
12	Kd	12	Kd	12	Kd	12	Kd
UNIT-04			UNIT-05			UNIT-06	
FUZZY-PID	CONTROL MODE	FUZZY-PID	CONTROL MODE	FUZZY-PID	CONTROL MODE	FUZZY-PID	CONTROL MODE
250	Kp	250	Kp	250	Kp	250	Kp
90	Ki	90	Ki	90	Ki	90	Ki
12	Kd	12	Kd	12	Kd	12	Kd
UNIT-07			UNIT-08			UNIT-09	
FUZZY-PID	CONTROL MODE	FUZZY-PID	CONTROL MODE	FUZZY-PID	CONTROL MODE	FUZZY-PID	CONTROL MODE
250	Kp	250	Kp	250	Kp	250	Kp
90	Ki	90	Ki	90	Ki	90	Ki
12	Kd	12	Kd	12	Kd	12	Kd

Change points control mode

4. Introduce of zone control data interface as below;



Control mode data

*Control mode: FUZZY、TUN、PID ;

*Percent: Resolution is 0.1 C, The less of setting parameter is, the faster reactions will be, but easy to over setting.;




*Integral: Resolution is 0.1 sec, the less of setting parameter, the faster of static error removed, but will cause shock if too less

*Differential: Resolution is 0.1 sec, It will keep down deviation tendency, and improve anti-interference, the setting parameter will be less;

Note: Percent parameter, integral parameter, differential parameter will only work in PID control mode, but not work with control performance when with FUZZY-PID mode;

Change points control mode

5.Example for FUZZY-PID: Click UNIT-01 key, Select FUZZY-PID in the sub menu, Control mode will display FUZZY PID. This point have been set PID mode, then back to the main interface.

STOP 		START 		STANDBY 										EXIT	
UNIT-01				UNIT-02				UNIT-03							
FUZZY-PID		CONTROL MODE		FUZZY-PID		CONTROL MODE		FUZZY-PID		CONTROL MODE					
250		PID		250		Kp		250		Kp					
90		TUN		90		Ki		90		Ki					
12		FUZZY-PID		12		Kd		12		Kd					
UNIT-04				UNIT-05				UNIT-06							
FUZZY-PID		CONTROL MODE		FUZZY-PID		CONTROL MODE		FUZZY-PID		CONTROL MODE					
250		Kp		250		Kp		250		Kp					
90		Ki		90		Ki		90		Ki					
12		Kd		12		Kd		12		Kd					
UNIT-07				UNIT-08				UNIT-09							
FUZZY-PID		CONTROL MODE		FUZZY-PID		CONTROL MODE		FUZZY-PID		CONTROL MODE					
250		Kp		250		Kp		250		Kp					
90		Ki		90		Ki		90		Ki					
12		Kd		12		Kd		12		Kd					




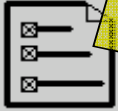

Change points control mode

6. As shown, 01 point are in tuning, as the different mold parameter, Tuning time need 3-40mins option, It will back to Auto control mode after tuning ,Meanwhile, control mode will change to percent control; If control is not satisfied ,you can enter to control mode display and manual modify Percent, integral, differential parameter until satisfied.

STOP ↓	START ↑	STANDBY ▼			STANDBY AUTO 0
200°C 01 200°C 10% 0.2A TUN	200°C 02 200°C 10% 0.2A AUTO	200°C 03 200°C 10% 0.2A AUTO	200°C 04 200°C 10% 0.2A AUTO	200°C 05 200°C 10% 0.2A AUTO	200°C 06 200°C 10% 0.2A AUTO
200°C 07 200°C 10% 0.2A AUTO	200°C 08 200°C 10% 0.2A AUTO	200°C 09 200°C 10% 0.2A AUTO	200°C 10 200°C 10% 0.2A AUTO	200°C 11 200°C 10% 0.2A AUTO	200°C 12 200°C 10% 0.2A AUTO
200°C 13 200°C 10% 0.2A AUTO	200°C 14 200°C 10% 0.2A AUTO	200°C 15 200°C 10% 0.2A AUTO	200°C 16 200°C 10% 0.2A AUTO	200°C 17 200°C 10% 0.2A AUTO	200°C 18 200°C 10% 0.2A AUTO
200°C 19 200°C 10% 0.2A AUTO	200°C 20 200°C 10% 0.2A AUTO	200°C 21 200°C 10% 0.2A AUTO	200°C 22 200°C 10% 0.2A AUTO	200°C 23 200°C 10% 0.2A AUTO	200°C 24 200°C 10% 0.2A AUTO

How to close one output point

1. Click , and press function set in the following submenu, enter to function set display;

STOP 	START 	STANDBY 			STANDBY AUTO 0
200°C 01 200°C 10% 0.2A AUTO	200°C 02 200°C 10% 0.2A AUTO	200°C 03 200°C 10% 0.2A AUTO	200°C 04 200°C 10% 0.2A AUTO	200°C 05 200°C 10% 0.2A AUTO	200°C 06 200°C 10% 0.2A AUTO
200°C 07 200°C 10% 0.2A AUTO	200°C 08 200°C 10% 0.2A AUTO	200°C 09 200°C 10% 0.2A AUTO	200°C 10 200°C 10% 0.2A AUTO	200°C 11 200°C 10% 0.2A AUTO	200°C 12 200°C 10% 0.2A AUTO
200°C 13 200°C 10% 0.2A AUTO	200°C 14 200°C 10% 0.2A AUTO	200°C 15 200°C 10% 0.2A AUTO	200°C 16 200°C 10% 0.2A AUTO	200°C 17 200°C 10% 0.2A AUTO	200°C 18 200°C 10% 0.2A AUTO
200°C 19 200°C 10% 0.2A AUTO	200°C 20 200°C 10% 0.2A AUTO	200°C 21 200°C 10% 0.2A AUTO	200°C 22 200°C 10% 0.2A AUTO	200°C 23 200°C 10% 0.2A AUTO	200°C 24 200°C 10% 0.2A AUTO

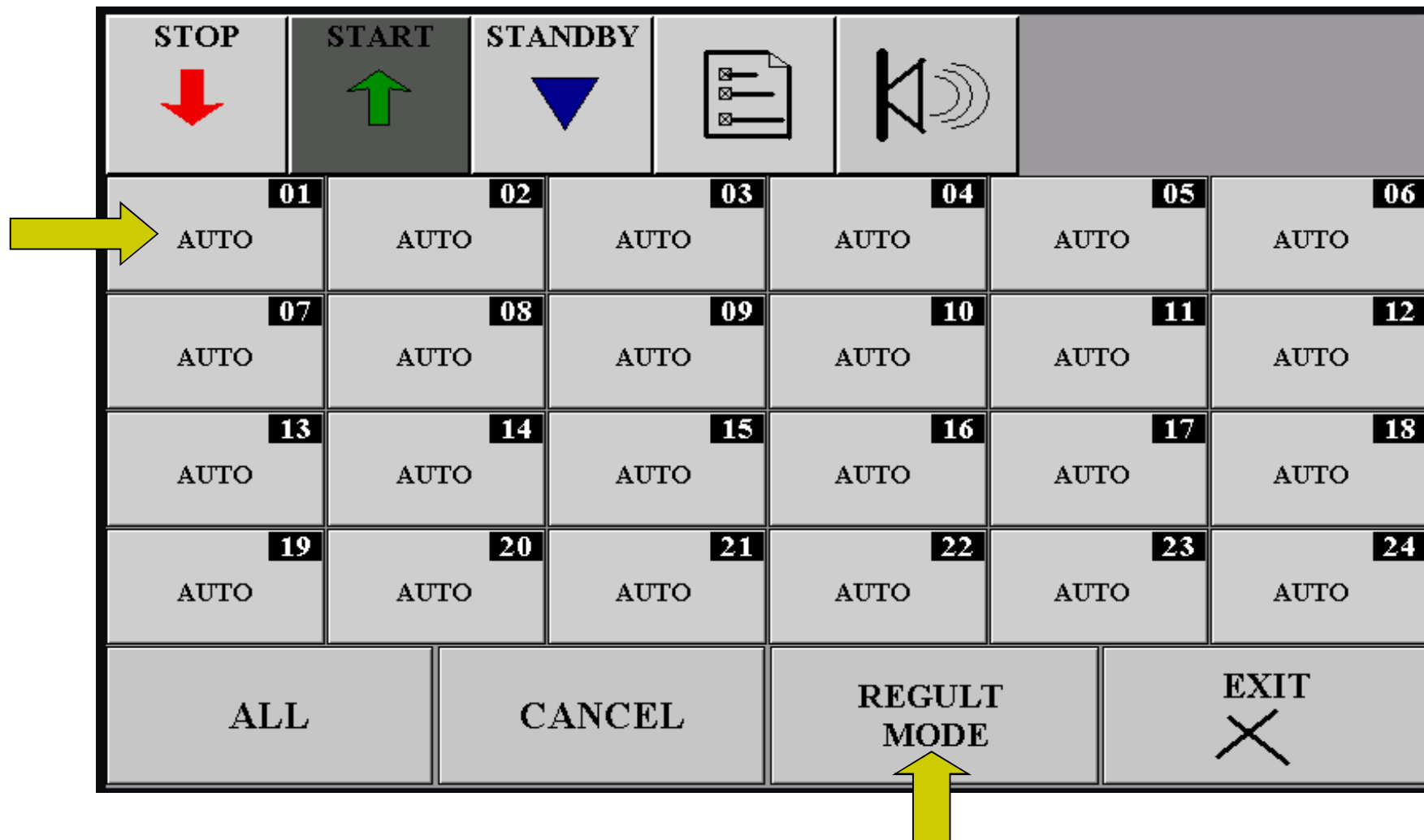
How to close one output point

2. Press MODE in function set display ;

STOP ↓	START ↑	STANDBY ▼			EXIT ×	LANGUAGE
→ MODE	<input checked="" type="checkbox"/> °C <input type="checkbox"/> °F	<input checked="" type="checkbox"/> J <input type="checkbox"/> K	ALARM 90	↑	ALARM 90	↓
CONTROL MODE		SOFT START	ADVANCE SETTING			
STANDBY PERCENT 50%	FACTORY SETTING	USER PSW SET	Ambient 0 °C			
DISPLAY —	DISPLAY +	SYSTEM S/N: 0				

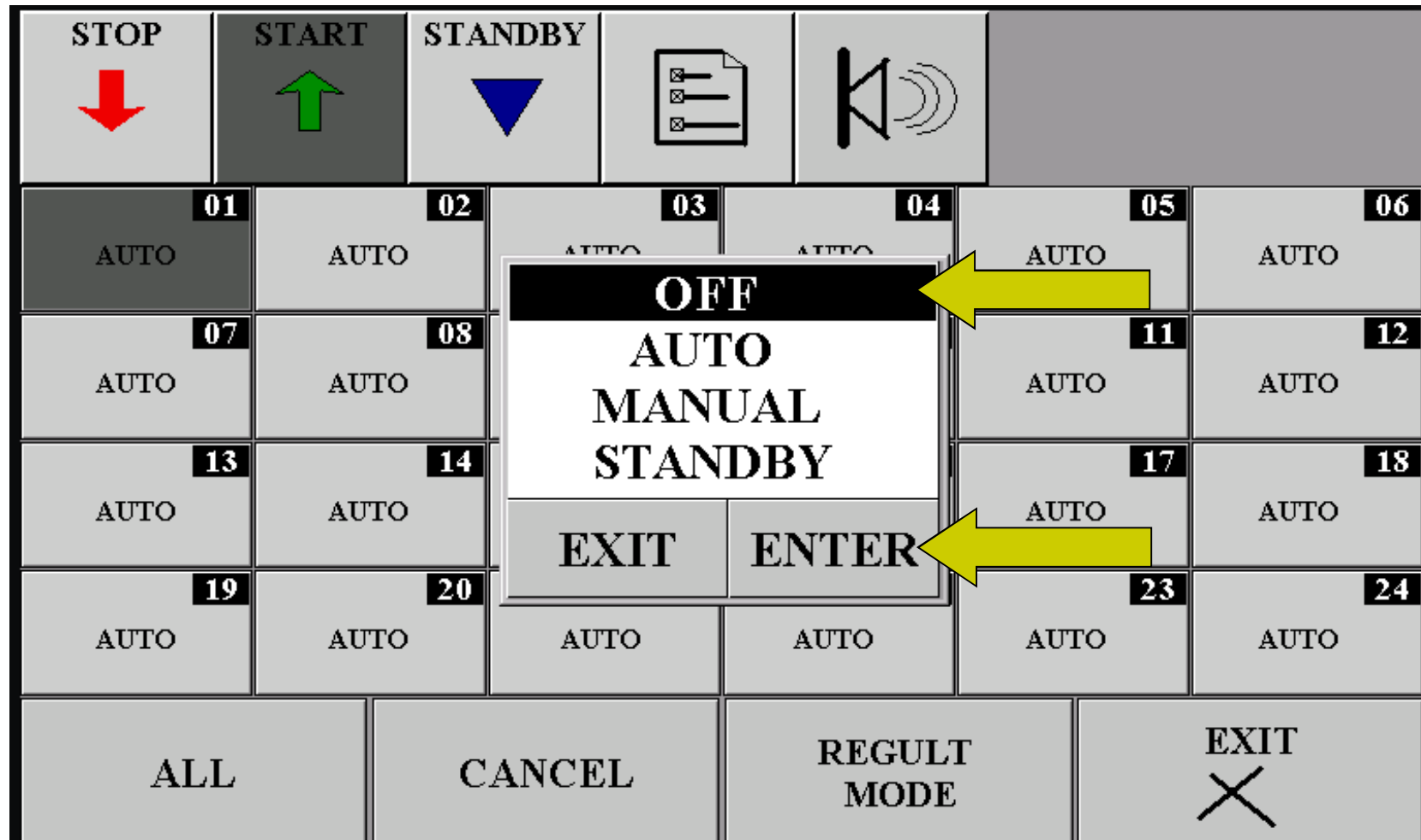
How to close one output point

3. After entering to MODE setting, select 01 point, and click **REGULT MODE** as below ;






How to close one output point

4. Click OFF, then Enter to confirm in the submenu ;








How to close one output point

5. 01 point closed, Click EXIT to back

STOP ↓	START ↑	STANDBY ▼				
01 OFF	02 AUTO	03 AUTO	04 AUTO	05 AUTO	06 AUTO	
07 AUTO	08 AUTO	09 AUTO	10 AUTO	11 AUTO	12 AUTO	
13 AUTO	14 AUTO	15 AUTO	16 AUTO	17 AUTO	18 AUTO	
19 AUTO	20 AUTO	21 AUTO	22 AUTO	23 AUTO	24 AUTO	
ALL		CANCEL		REGULT MODE		
				EXIT X		

How to close one output point

6. When back to main picture.01 point in OFF mode, and stop output.

STOP 	START 	STANDBY 			STANDBY AUTO 0
0°C 01 200°C 0% 0.0A OFF	200°C 02 200°C 10% 0.2A AUTO	200°C 03 200°C 10% 0.2A AUTO	200°C 04 200°C 10% 0.2A AUTO	200°C 05 200°C 10% 0.2A AUTO	200°C 06 200°C 10% 0.2A AUTO
200°C 07 200°C 10% 0.2A AUTO	200°C 08 200°C 10% 0.2A AUTO	200°C 09 200°C 10% 0.2A AUTO	200°C 10 200°C 10% 0.2A AUTO	200°C 11 200°C 10% 0.2A AUTO	200°C 12 200°C 10% 0.2A AUTO
200°C 13 200°C 10% 0.2A AUTO	200°C 14 200°C 10% 0.2A AUTO	200°C 15 200°C 10% 0.2A AUTO	200°C 16 200°C 10% 0.2A AUTO	200°C 17 200°C 10% 0.2A AUTO	200°C 18 200°C 10% 0.2A AUTO
200°C 19 200°C 10% 0.2A AUTO	200°C 20 200°C 10% 0.2A AUTO	200°C 21 200°C 10% 0.2A AUTO	200°C 22 200°C 10% 0.2A AUTO	200°C 23 200°C 10% 0.2A AUTO	200°C 24 200°C 10% 0.2A AUTO

How to set one point temperature

1. In the master picture , click 01 point to enter to temperature setting .

The image shows a control panel interface with a grid of 24 temperature points. At the top, there are several control buttons: STOP (red arrow pointing down), START (green arrow pointing up), STANDBY (blue arrow pointing down), a list icon, a speaker icon, and a STANDBY AUTO button with a yellow indicator light and a display showing '0'. Below these buttons is a 4x6 grid of temperature points, numbered 01 to 24. Each point displays '200°C' in red, '200°C 10% 0.2 A' in green, and 'AUTO' in black. A yellow arrow points to the first point (01).

STOP ↓	START ↑	STANDBY ▼			STANDBY AUTO 0
200°C 01 200°C 10% 0.2 A AUTO	200°C 02 200°C 10% 0.2 A AUTO	200°C 03 200°C 10% 0.2 A AUTO	200°C 04 200°C 10% 0.2 A AUTO	200°C 05 200°C 10% 0.2 A AUTO	200°C 06 200°C 10% 0.2 A AUTO
200°C 07 200°C 10% 0.2 A AUTO	200°C 08 200°C 10% 0.2 A AUTO	200°C 09 200°C 10% 0.2 A AUTO	200°C 10 200°C 10% 0.2 A AUTO	200°C 11 200°C 10% 0.2 A AUTO	200°C 12 200°C 10% 0.2 A AUTO
200°C 13 200°C 10% 0.2 A AUTO	200°C 14 200°C 10% 0.2 A AUTO	200°C 15 200°C 10% 0.2 A AUTO	200°C 16 200°C 10% 0.2 A AUTO	200°C 17 200°C 10% 0.2 A AUTO	200°C 18 200°C 10% 0.2 A AUTO
200°C 19 200°C 10% 0.2 A AUTO	200°C 20 200°C 10% 0.2 A AUTO	200°C 21 200°C 10% 0.2 A AUTO	200°C 22 200°C 10% 0.2 A AUTO	200°C 23 200°C 10% 0.2 A AUTO	200°C 24 200°C 10% 0.2 A AUTO

How to set one point temperature

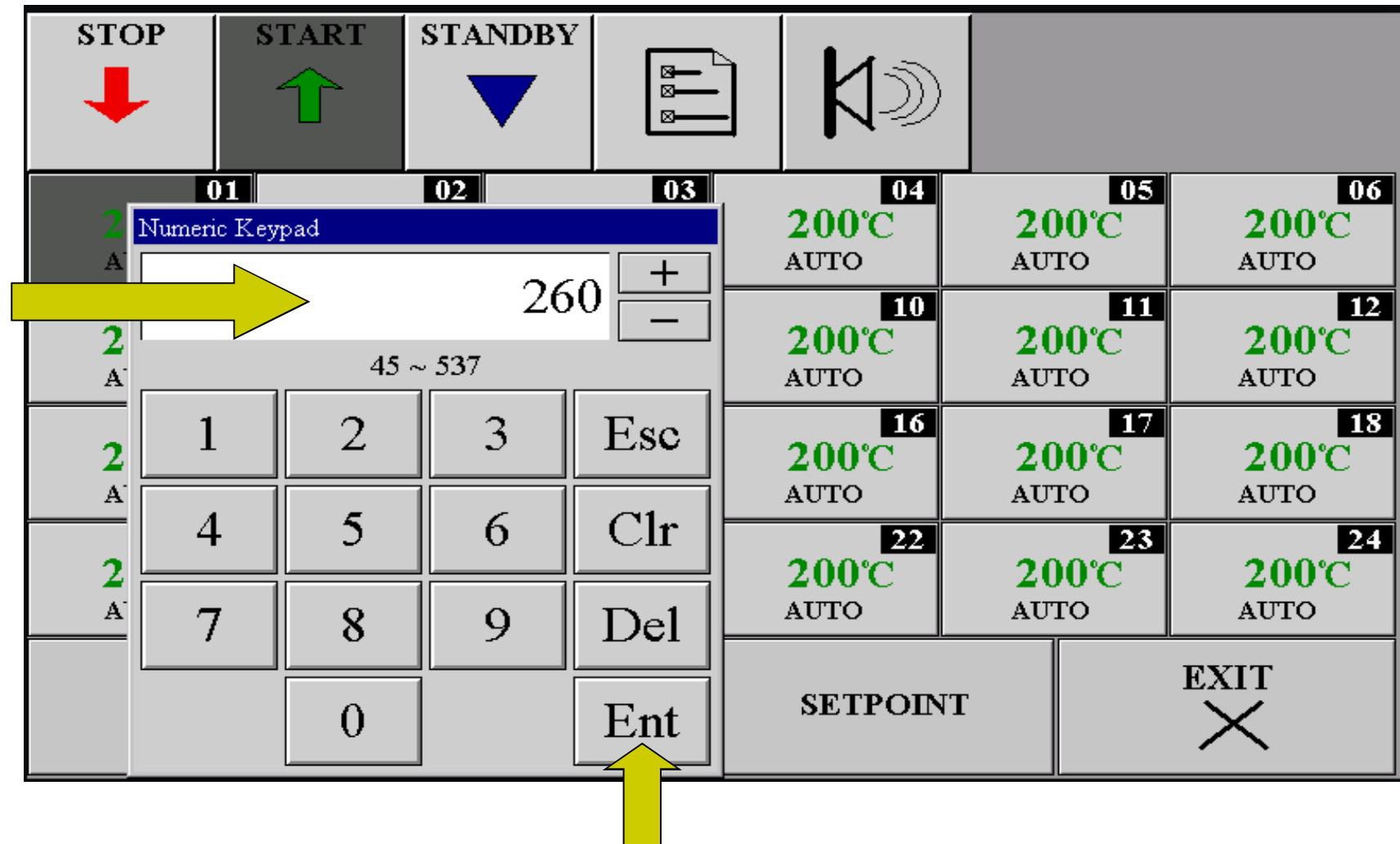
2. After enter into temperature setting, Click 01 point, click SETPOINT.

The interface consists of a top row of control buttons and a main grid of 24 temperature points. The buttons include STOP (red arrow down), START (green arrow up), STANDBY (blue arrow down), a list icon, a speaker icon, and a greyed-out button. The grid contains 24 points, each displaying '200°C' and a mode. Point 01 is highlighted with a yellow arrow pointing to it from the left, and its mode is 'OFF'. All other points (02-24) are in 'AUTO' mode. At the bottom, there are four buttons: 'ALL', 'REGULT MODE', 'SETPOINT' (with a yellow arrow pointing up to it), and 'EXIT' with a large 'X'.

STOP ↓	START ↑	STANDBY ▼			
01 200°C OFF	02 200°C AUTO	03 200°C AUTO	04 200°C AUTO	05 200°C AUTO	06 200°C AUTO
07 200°C AUTO	08 200°C AUTO	09 200°C AUTO	10 200°C AUTO	11 200°C AUTO	12 200°C AUTO
13 200°C AUTO	14 200°C AUTO	15 200°C AUTO	16 200°C AUTO	17 200°C AUTO	18 200°C AUTO
19 200°C AUTO	20 200°C AUTO	21 200°C AUTO	22 200°C AUTO	23 200°C AUTO	24 200°C AUTO
ALL	REGULT MODE	SETPOINT ↑	EXIT X		







How to set one point temperature

3. Enter 260 when keypad display, and ENT to confirm ;



How to set one point temperature

4.The setting temperature of 01 point is 260C,Press EXIT to back. .

STOP 	START 	STANDBY 																					
01 260°C AUTO	02 200°C AUTO	03 200°C AUTO	04 200°C AUTO	05 200°C AUTO	06 200°C AUTO	07 200°C AUTO	08 200°C AUTO	09 200°C AUTO	10 200°C AUTO	11 200°C AUTO	12 200°C AUTO	13 200°C AUTO	14 200°C AUTO	15 200°C AUTO	16 200°C AUTO	17 200°C AUTO	18 200°C AUTO	19 200°C AUTO	20 200°C AUTO	21 200°C AUTO	22 200°C AUTO	23 200°C AUTO	24 200°C AUTO
ALL			REGULT MODE			SETPOINT			EXIT 														



How to set one point temperature

5. In the master work mode display, 01 point setting temperature change to 250, and the output power is 100%;

STOP ↓	START ↑	STANDBY ▼			STANDBY AUTO 0
205°C 01 260°C 100% 2.0A AUTO	200°C 02 200°C 10% 0.2A AUTO	200°C 03 200°C 10% 0.2A AUTO	200°C 04 200°C 10% 0.2A AUTO	200°C 05 200°C 10% 0.2A AUTO	200°C 06 200°C 10% 0.2A AUTO
200°C 07 200°C 10% 0.2A AUTO	200°C 08 200°C 10% 0.2A AUTO	200°C 09 200°C 10% 0.2A AUTO	200°C 10 200°C 10% 0.2A AUTO	200°C 11 200°C 10% 0.2A AUTO	200°C 12 200°C 10% 0.2A AUTO
200°C 13 200°C 10% 0.2A AUTO	200°C 14 200°C 10% 0.2A AUTO	200°C 15 200°C 10% 0.2A AUTO	200°C 16 200°C 10% 0.2A AUTO	200°C 17 200°C 10% 0.2A AUTO	200°C 18 200°C 10% 0.2A AUTO
200°C 19 200°C 10% 0.2A AUTO	200°C 20 200°C 10% 0.2A AUTO	200°C 21 200°C 10% 0.2A AUTO	200°C 22 200°C 10% 0.2A AUTO	200°C 23 200°C 10% 0.2A AUTO	200°C 24 200°C 10% 0.2A AUTO






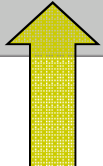

How to set all point temperature at one time

1. Enter to temperature setting, Click ALL will select from 01 to 24

STOP ↓	START ↑	STANDBY ▼			
01 260°C AUTO	02 200°C AUTO	03 200°C AUTO	04 200°C AUTO	05 200°C AUTO	06 200°C AUTO
07 200°C AUTO	08 200°C AUTO	09 200°C AUTO	10 200°C AUTO	11 200°C AUTO	12 200°C AUTO
13 200°C AUTO	14 200°C AUTO	15 200°C AUTO	16 200°C AUTO	17 200°C AUTO	18 200°C AUTO
19 200°C AUTO	20 200°C AUTO	21 200°C AUTO	22 200°C AUTO	23 200°C AUTO	24 200°C AUTO
CANCEL ↑	REGULT MODE	SETPOINT	EXIT ×		

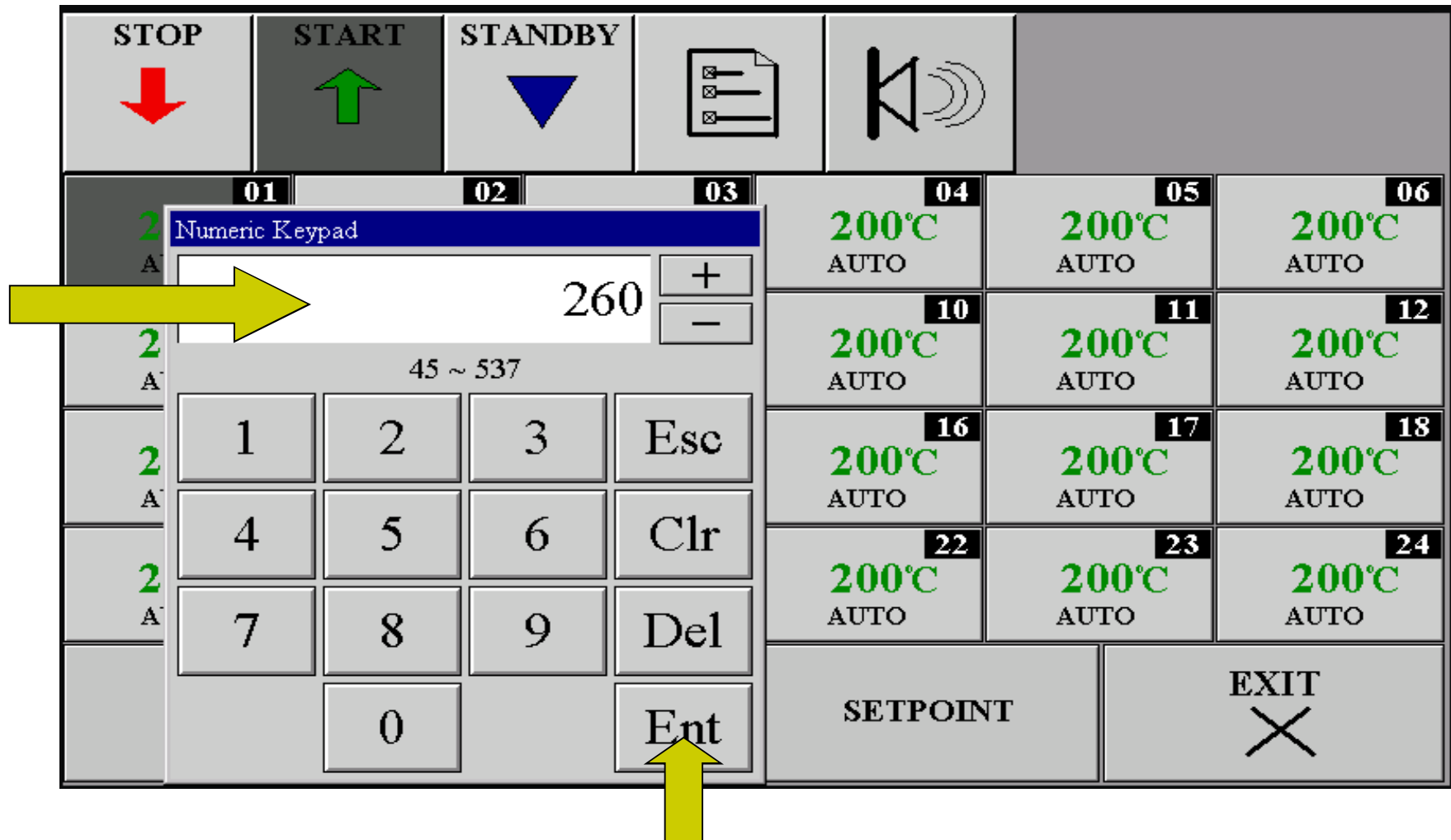
How to set all point temperature at one time

2. Click SETPOINT after ALL selected as below;

STOP 		START 		STANDBY 							
01 260°C AUTO	02 200°C AUTO	03 200°C AUTO	04 200°C AUTO	05 200°C AUTO	06 200°C AUTO	07 200°C AUTO	08 200°C AUTO	09 200°C AUTO	10 200°C AUTO	11 200°C AUTO	12 200°C AUTO
13 200°C AUTO	14 200°C AUTO	15 200°C AUTO	16 200°C AUTO	17 200°C AUTO	18 200°C AUTO	19 200°C AUTO	20 200°C AUTO	21 200°C AUTO	22 200°C AUTO	23 200°C AUTO	24 200°C AUTO
CANCEL			REGULT MODE			SETPOINT 			EXIT 		

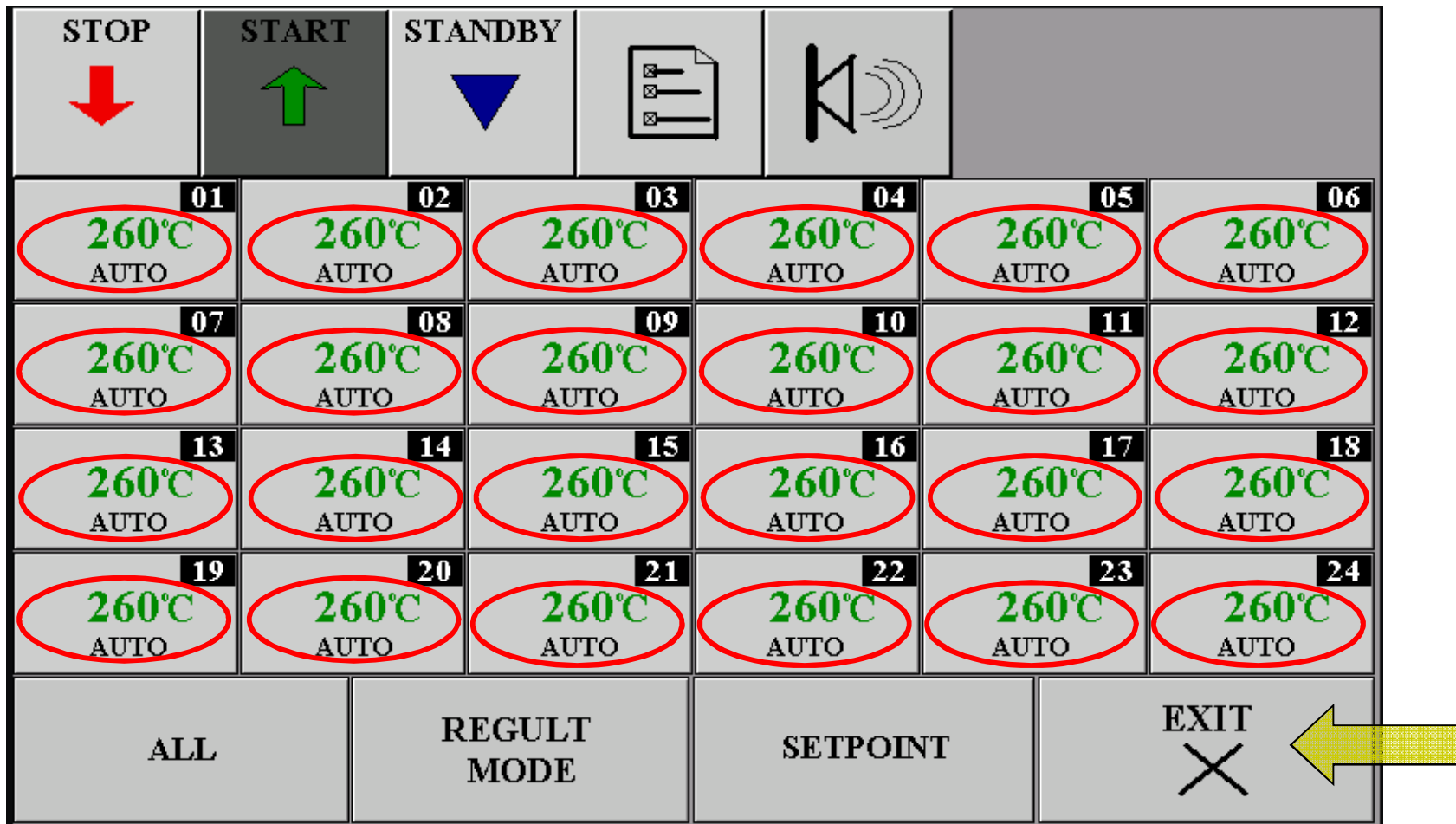
How to set all point temperature at one time

3. Enter to setting temperature 260, then press Ent .

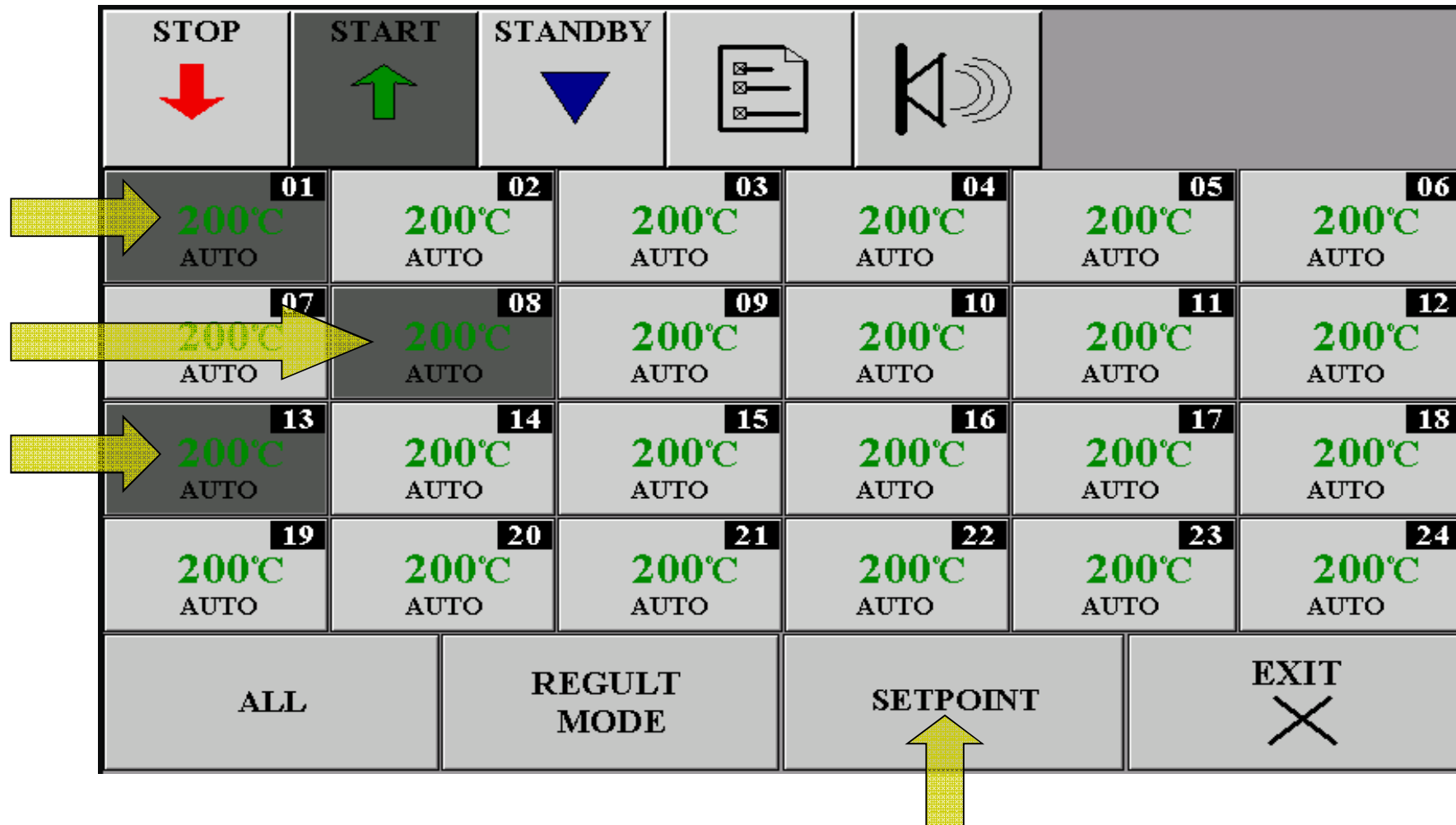


How to set all point temperature at one time

3. The setting temperature of 01 to 24 points are all change to 260C, Press EXIT back .

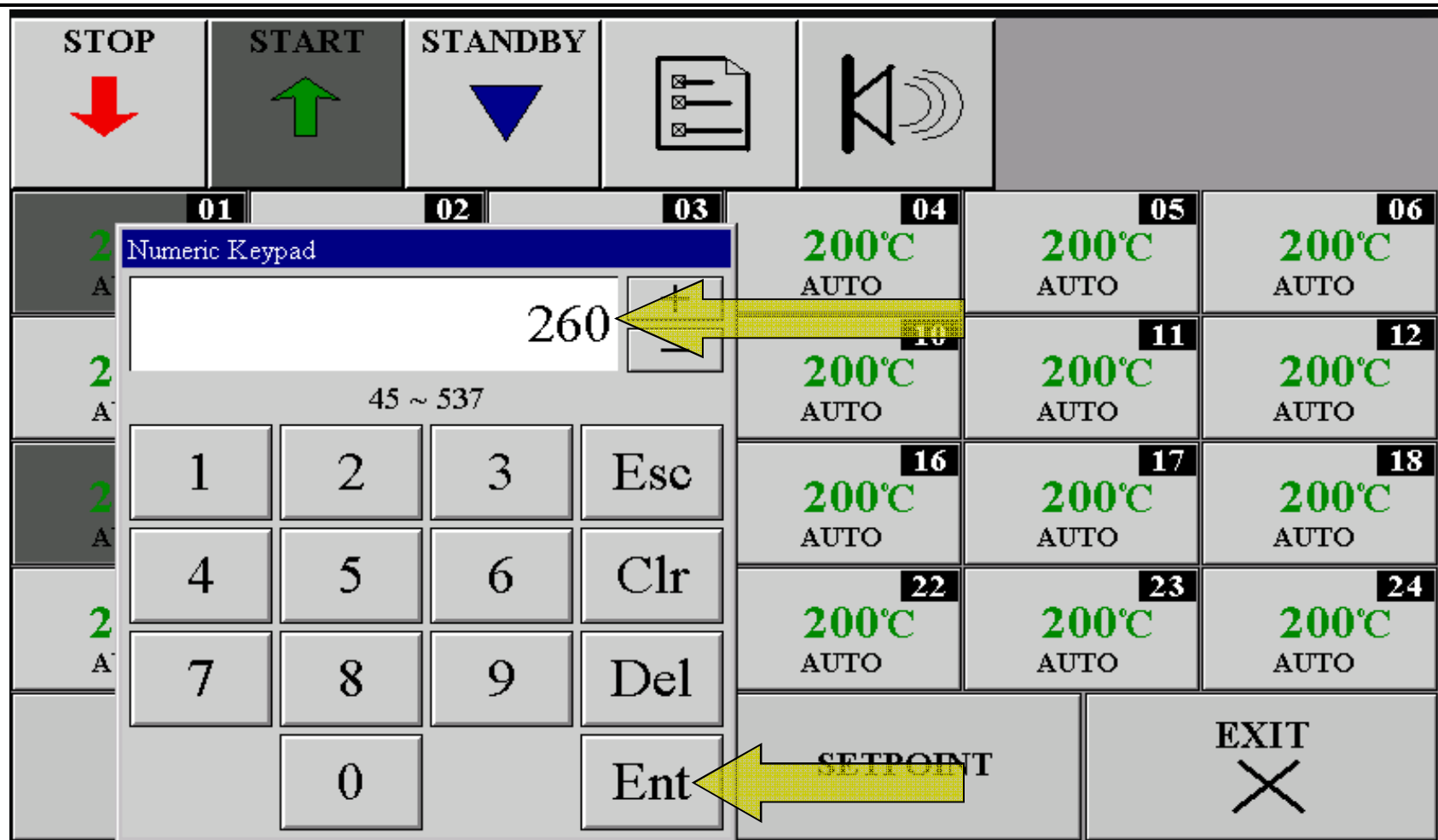


1. Enter to temperature setting ,Click 01,08,13,then click **SETPOINT** ;



How to set some points temperature in one page

2. Enter the setting temperature 260 , and Press ENT to confirm; ;



How to set some points temperature in one page

3. The setting temperature of 01,08,13 change to 260C,press EXIT to back;

STOP ↓	START ↑	STANDBY ▼			
01 260°C AUTO	02 200°C AUTO	03 200°C AUTO	04 200°C AUTO	05 200°C AUTO	06 200°C AUTO
07 200°C AUTO	08 260°C AUTO	09 200°C AUTO	10 200°C AUTO	11 200°C AUTO	12 200°C AUTO
13 260°C AUTO	14 200°C AUTO	15 200°C AUTO	16 200°C AUTO	17 200°C AUTO	18 200°C AUTO
19 200°C AUTO	20 200°C AUTO	21 200°C AUTO	22 200°C AUTO	23 200°C AUTO	24 200°C AUTO
ALL	REGULT MODE	SETPOINT	EXIT ✕		



Alarm information table

T/C REVRSE

T/C SHORT

HEAT OPEN

BAD SCR

F4 BREAK

F3 BREAK

ERR LPBR

NO ANSWER

AL-H

AL-L

T/C OPEN