

User' Guide

IMPORTANT:

Read this manual before proceeding with installation of the bathtub and keep it with the other accompanying documents.

This manual is valid for the installation of tubs both with and without whirlpool.

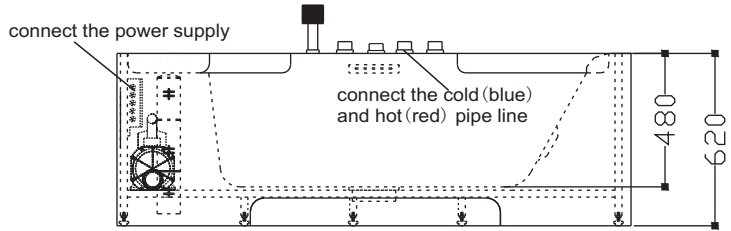
MODEL:M-1101A/M-1101B

SIZE:1850X1200X620mm

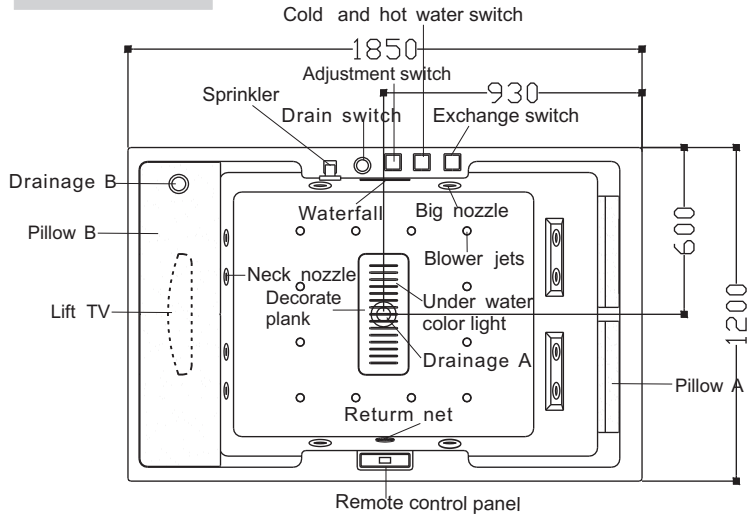


Massage bathtub

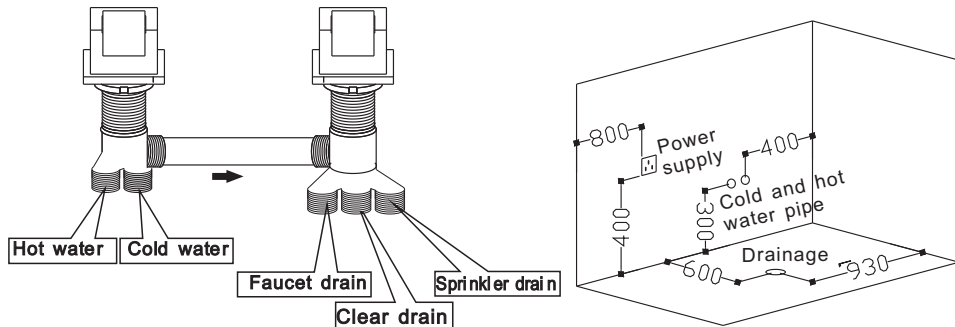
Install the diagram



Plane chart



Tap takes over sketch



1、Electricity parameter

Rated voltage	Rated power	Rated electric current	Reference circuit voltage
220VAC	1300W	<4A	12V

2、Electric installation

- 2.1 power supply's establishment should be complied with nation security standard, voltage and frequency also should be accord with product's nameplate. Especially install creepage protect switch and also check whether can connect with ground.
- 2.2 The wire collected to the massage bathtub should be fitting permanent., and the wire should be a three-core wire, the sectional acreage of each core cannot less than 12A. when wire pass the wall, it should be use bushing for protection until the AC outlet.
- 2.3 Ground wire of bathtub should be test whether works with house appliance ground wire.
- 2.4 The wire end of electricity control box should connect to the control panel, water bottom light, loudspeaker, electrical engineering and the detector protection respectively.

3、Water supply device

- 3.1 This device's hydraulic pressure is 0.2-0.4Mpa.
- 3.2 The water supply characteristics on the wall: The cold or hot water supplies inside the bathroom also establish in the shelter of the massage tub, use the hose to connect with the cold or hot joint of the tub. the pipe towards is decide by the customer, the machine do not go with the hose.

4、Installation introduction

- 4.1 Before install, must consider the place of install massage bathtub whether can support this device's pressure.
- 4.2 Place the massage bathtub on the install position, adjust level to make the drain system smooth.
- 4.3 Adjust the leg's screw to make sure all of the screw touch ground completely.
- 4.4 Install the drain hose, and make some measure to against on the connector.
- 4.5 Fix cold and hot water-pipe well, then install the showerhead. And then put drain into downcomer, finally connect with power and make sure whether device connected with ground can work.

5、Using Method

- 5.1 Turn on faucet, adjust water's temperature, add water to the massage bathtub. when the highest water level exceed the highest nozzle about 20-30mm and reach the detector, press the switch button to let the electric machine.
- 5.2 Revolve the adjust switch, and choose the proper surf pressure.
- 5.3 After finishing if should turn off pump at first, then open drain button, when water is all out, please make a clean of bathtub to keep in good.

6、Clean and keep in good condition

- 6.1 usually use soft cloths and general liquid cleanser can wash away dirt, but forbid to use the cleanser with acetone or the ammon ia composition; when disinfect, forbid to use the disinfectant contained the formaldehyde.
- 6.2 the dirty spot of surface can use the toothpaste to wipe with the soft cloth.
- 6.3 to the low-grade chafe of the surface or burned by cigarette, can soak in water to whet with 2000# levigation sand paper, then polishing.
- 6.4 If the electroplate piece contain stain, use the soft cloth to wipe lightly, avoid to wiping with coarse cloth.
- 6.5 often clean up the backwater net cover, prevent it from stop;

- 6.6 Check whether have break on pipe and waterway aperiodically.
- 6.7 Please check whether there is fall off or breakage on wire, switch, connector plugs so that repair in time.
- 6.8 In order to keep to use in a long term ,please remember, don't use more than 3 hours continually.

7、Fault eliminate

Fault	Cause	Way
Machine or equipment doesn't work	Voltage unstable	Check circuitry
	Power connector didn't connect well or open circuit	Insert again or change power line
	The windpipe connect air switch fall off or break	Connect again or change
	The air switch failure	Change
Big nose of machine	Power's parameter is not same as nameplate	Connect with supplier
	Fixed screw did'n fix or fall off	Fix tightly again
	Support's leg screw did not touch ground	Adjust
water pipe leak out	Aging	Change
	The joint did not fix well	Fix again
	Water pipe or accessory leak	Change

Remark: except this fault, please according to situation to resolve, or find experienced people to repair.

8、special remind

- 8.1 please find qualified people to install bathtub according to introduction.
 - 8.2 when you are using it, first of all you have to inject the cold water and then inject the hot water. Don't inject the hot water first.
 - 8.3 bathtub's machine must connect on ground, support must use 1.5mm²yellow/green double wire connect with ground and check whether effective.
 - 8.4 please do not turn on machine without water, before draining should turn off machine.
 - 8.5 children should be looked after in bathtub.
 - 8.6 bathtub's temperature can't higher than people average temperature, and the best is 32-37centigrade.
 - 8.7 after shower ,please cut off power.
 - 8.8 if have these situation ,please do not enter into massage bathtub.
 - 8.8.1 younger than 4 years old's child;
 - 8.8.2 blood circulation unstabled people;
 - 8.8.3 sot;
 - 8.8.4 suffer from flu;
 - 8.8.5 heart disease;
 - 8.8.6 already have sauna;
 - 8.8.7 after meal in half a hour;
- Remark: our company has the right to modify the above mention without further notice.

- 6. The end user should install air-break or leakage switch of 30A or above according to the National standards (GB).
- 7. Strictly check the power supply wiring of the control box. Power on to use only after no errors confirmed.
- 8. Please do not install the equipments of bad quality that manufactured by illegal factories to the steaming device; Disassembling, changing the fixed inner wiring or connect some wiring to the power box are forbidden.
- 9. The connection wire of power box should wire according to the specification, the output wires should connect correctly to avoid short-circuit.
- 10. After using, please cut off the power to avoid aging of the device.
- 11. The installation of the controller should be carried out by qualified personal according to the installation manual.
- 12. Do not try to repair of the modifier parts of the controller, and the high-voltage might cause danger. All the maintenance and repairing should be carried our by qualified personal.
For any consequences caused by wrong operation, the user should bear the responsibility.

VII、 Before ask to repair TV Set

The following phenomena do not indicate that the TV set is in trouble. Please check according to the following methods before asks to repair:

Phenomena	Causes
No picture and sound	The power switch is OFF
No picture	If the channel selection is correct; Repeat the auto setting of the receiving channels; Reset the channels when move to a new place.
No sound	If the sound is closed or sound system is incorrect; The signal is too weak and silencing function works.
Picture dark	If the brightness and contrast are correctly adjusted and the environment temperature is too low
Picture unclear or unstable	It is possible that the signal in the receiving place is too weak
Ghost	It is possible to receive the highly reflected signals near to the tall buildings
Snow storm	It is possible to be disturbed by the electric waves of vehicle motors, trains, high voltage lines, neon lamps, etc.
No colors	If the chromaticity is adjusted well and the picture system is correct. The signal is too weak and discoloration function works
Picture up/down and left/right reversal	It is possible not to adjust up/down and left/right correctly by the remote controller

一. Safety Precautions

【Warning】

1. In order to prevent fire or electric shock accident, do not expose the controller to the rain or humid environment. There are dangerous high-tension fittings inside the controller, therefore do not open the cover. Entrust the repairing work only to the qualified professional repairing personnel when repairing is required.
2. Without the clear approval from the controller manufacturer or its authorized units, any change or alternation to this controller might bring various inconveniences to the users when in use.

【Helpful suggestion】

1. In order to prolong the service life of this controller, the time interval for continuously turning on and off the machine must be over 30 seconds.
2. Please switch off the power after use.
3. The power supply used must be consistent with the voltage specified value indicated on this controller; otherwise it will not work, or even burn out the controller.
4. When installing this controller, carefully check if the load parameters are consistent with the parameters required by this controller, otherwise it will not work, or even burn out the controller.
5. If it is halted accidentally, please close and restart.

II. Brief Introduction

1.General Description of Functions

Functions		Model	PR966K
1	Lock		√
2	TV/AV		15
3	Thermostatic heating		√
4	Pump		√
5	Blower		√
6	Lamp		√
7	FM		√
8	Level detection		√
9	Ozone		√
10	Up and down system		√
11	Cleaning		√

Note: “*”stands for the optional function.

2.Characteristics of the Controller

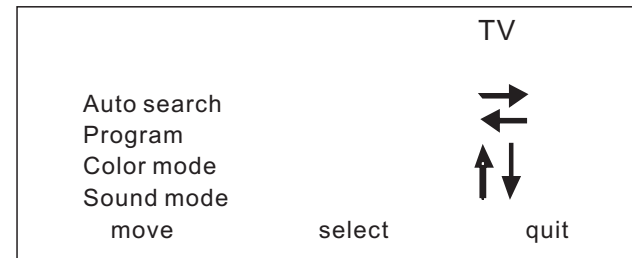
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|--|--|
| 1) Rated voltage: AC220V-240V | 4) Controllable current: <16A |
| 2) Working voltage range : AC180V-248V | 5) Power consumption: <10W (all loads OFF) |
| 3) Rated Frequency : 50HZ/60HZ | 6) Applied ambient temperature: +5℃~40℃ |

11.7.2SOUND: mute、volume



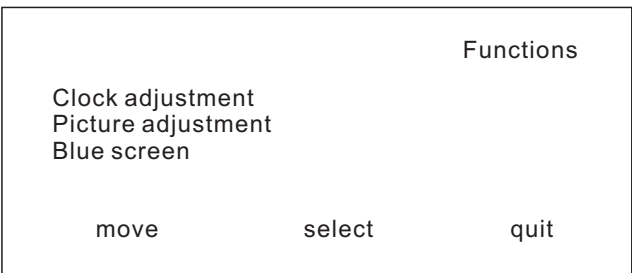
MENU select CH- downward CH+ upward

- 11.7.2.1 Press “MENU” to choose the menu, press “VOL+”or“VOL-”to adjust.
 - 11.7.2.2 Press“MENU” to choose the sub-menu; press “CH-”、 “CH+”to select, Press “MENU” the third time to enter the third menu.
 - 11.7.2.3 Press “MENU”for 3 seconds to quit the “SOUND” menu.
- 11.7.3TV: auto search、program、color mode、sound mode



MENU select CH- downward CH+ upward

- 11.7.3.1 Press “MENU” to choose the menu, press “VOL+”or“VOL-”to adjust.
 - 11.7.3.2 Press“MENU” to choose the sub-menu; press “CH-”、 “CH+”to select, press “MENU” the third time to enter the third menu.
 - 11.7.3.3 Press “MENU”for 3 seconds to quit the “TV” menu.
- 11.7.4FUNCTION: clock adjustment、picture adjustment、blue screen

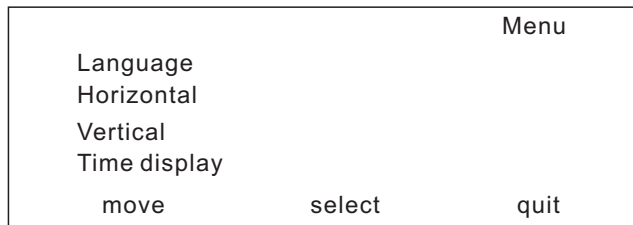


MENU select CH- downward CH+ upward

- 11.7.4.1 Press “MENU” to choose the menu, press “VOL+”or“VOL-”to adjust.
- 11.7.4.2 Press“MENU” to choose the sub-menu; press “CH-”、 “CH+”to select, press “MENU” the third time to enter the third menu.

11.7.4.3 Press "MENU" for 3 seconds to quit the "FUNCTION" menu.

11.7.5 Menu : language, horizontal, vertical, time display



MENU select CH- downward CH+ upward

11.7.5.1 Press "MENU" to choose the menu, press "VOL+" or "VOL-" to adjust.

11.7.5.2 Press "MENU" to choose the sub-menu; press "CH-", "CH+" to select, press "MENU" the third time to enter the third menu.

11.7.5.3 Press "MENU" for 3 seconds to quit the menu.

11.7.6 Operation under third menu:



MENU select CH- downward CH+ upward

11.7.6.1 Press "VOL+", "VOL-" to adjust;

11.7.6.2 Press "MENU" for 3 seconds to quit the menu.

IV Attention

In order to guarantee the products function, prolong its lifetime and ensure the safety during using, please read the following items carefully before using:

1. The end user should carry on the load installation strictly according to the wiring diagram and parameters.
2. Outer CD frequency signal cannot be too strong; otherwise the system power enlarger will be burnt out.
3. For the external cable video signal, a signal isolator shall be connected in series before the incoming end to prevent inputting interfering signal to disturb the normal operation of the system, especially for the disturbance to telephone and heating system.
4. The ground wiring should be connected to the normal-running supply circuits, so as for the steaming.
5. The end user should use power supply cables in 3 x 3mm² or wider cable diameter. According to the National standards (GB). The socket should be of 30A or above according to the National standards (GB).

Bathtub User's Guide

WARNINGS

1. Please follow the instruction contained in the attached installation manual to ensure that the product is installed properly. the manufacturer will not be held liable for damages or injuries caused by improper installation.
2. Follow the instructions contained in this manual when using the product.
3. Before using the bathtub, check the local voltage that if reach to the rated voltage(pre-installation card).

CONTENTS

I. Safety Precautions

II. Brief Introduction

III. Operation of Control Panel

IV. Attention

VII. Before ask to repair TV Set

9. 4 Temperature adjustment

9. 4. 1 When the thermostatic heating function is on, press "FUN", till " °C " on LCD blinks, then press "CH-" or "CH+" once; and the temperature shall be increased or decreased 1 °C, stop press the icon for 5 seconds, LCD stops display the temperature.

9. 4. 2 Temperature setting range: 35°C-45°C.

10. Cleaning

10 minutes after the water drain out of the bath tub (level detector searches no water in the bath tub), cleaning function starts automatically and stops 1 minutes later.

11. TV system

11. 1 TV system is controlled by the control panel.

11.2 "FM/TV/AV" TV power

Press the icon, FM function starts, press again, FM stops, TV function is on, press the third time, TV switch to AV, press the fourth time, both FM and TV/AV stop.

11.3 "CH+"

When TV function is on, press "CH+", channel will increase.

11.4 "CH-"

When TV function is on, press "", channel will decrease.

11.5 "VOL+"

When the TV power is on, press "VOL+" to increase the volume.

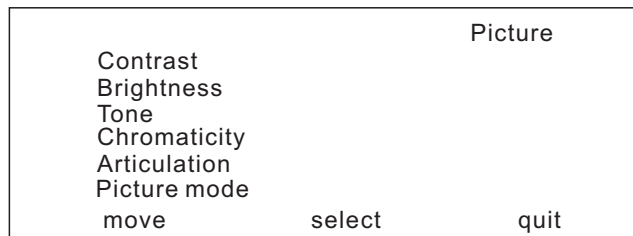
11.6 "VOL-"

When the TV power is on, press "VOL-" to decrease the volume.

11.7 "MEM/MENU" menu

Press the icon, LCD displays: picture、sound、TV、function and menu, these items can be select and adjust.

11. 7. 1 Picture: Contrast、Brightness、Tone、Chromaticity、Articulation、color temperature、Picture mode.



MENU select CH- downward CH+ upward

11.7.1.1 Press "MENU" to choose the menu, press "VOL+" or "VOL-" to adjust.

11.7.1.2 Press "MENU" to choose the sub-menu; press "CH-"、"CH+" to select, Press "MENU" the third time to enter the third menu.

11.7.1.3 Press "MENU" for 3 seconds to quit the "picture" menu.

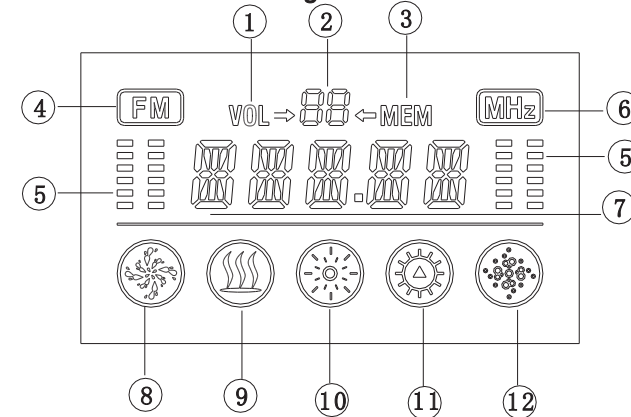
3.Characteristic of the TV

- | | |
|-----------------------------------|-------------------------------------|
| 1) Display device : color TFT-LCD | 3) Accompany : DK、I、BG、M (optional) |
| 2) Size : 15 inch (4 : 3) | 4) Power consumption : about 25 W |

4.Devices controlled by the controlling system

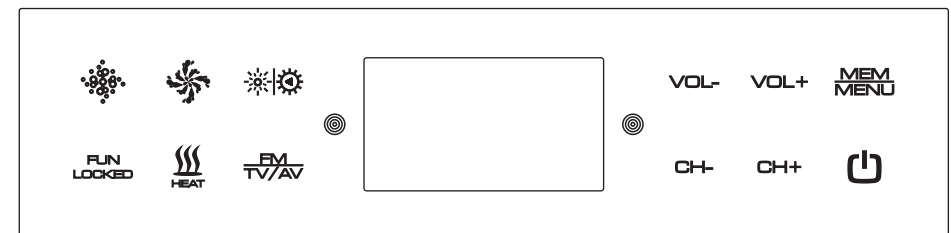
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|--------------------------------------|
| 1) Pump : AC220V/2HP |
| 2) Blower : AC220V/1HP |
| 3) Lamp : AC12V/20W |
| 4) Thermostatic heating : AC220V/2KW |
| 5) Ozone generator : AC12V/6W |
| 6) Refrigerator : DC12V/40W |
| 7) Solenoid valve : DC12V/5W |
| 8) Loud speaker : 8 Ω /10W |

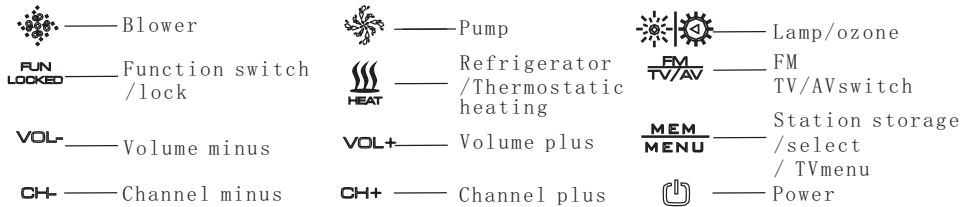
5.The LCD shows the following information





















- | | |
|-----------------------------------|---------------------------------|
| 1) Icon of volume | 7) Displaying of FM frequency |
| 2) Volume and storage position | 8) Icon of pump |
| 3) Icon of storage position | 9) Icon of thermostatic heating |
| 4) FM | 10) Icon of lamp |
| 5) Displaying of FM hopping state | 11) Icon of ozone |
| 6) Unit of FM frequency | 12) Icon of blower |

6.Schematic Diagram of Control Panel






















I、Operation of Control Panel

- The panel is with touch function, the duration of the touch is about 0.5 s. When any function button works, there is a sound of “du...”.
- “” Power switch
Press “” to start the controller; press again to stop the controller.
- Lamp “”
Press the power switch icon, lamp is turned on, LCD displays “”; then press “”, lamp is turned off; press “” another time, lamp is turned on.
- Lock “”
4.1 Press “” for 3 seconds, all the keys are locked, LCD displays “LOCK”; press the icon again for 3 seconds, all the keys are unlocked, “LOCK” on LCD disappears.
4.2 When the system is on, if no operation with the control panel for 5 minutes, the keys will be locked, LCD displays “LOCK”; then press “” for 3 seconds, all the key will be unlocked, icon “LOCK” disappear.
- Blower “”
When the system is on, press “” to start the blower, LCD displays “”; press again to stop the blower.
- ozone
6.1 Press “” for 3 seconds, the ozone function starts, LCD displays “”; press “” again to stop the function, icon on LCD disappears.
6.2 Ozone function starts automatically after power on and stop automatically 10 minutes later.
- Water pump surf
7.1 The water checking device of this controller protects the water pump from burning out.
7.2 When the water level achieves the setting value, press “” to start the pump, LCD displays “”. Press again, pump stop working, icon “” on LCD disappears.
7.3 When the water level lower than the setting value, pump cannot be start.
7.4 When the water surf pump function is on, and the system checks the water level

same time the pump icon blinks. When any time the system checks the water level achieves the setting value, the icon stops blink and the pump starts to work.

- FM digital turning radio
8.1 The FM frequency scope is 87.5MHz–108.0MHz.
8.2 “” FM /TV/AV switch
Press the icon, FM function starts, press again, FM stops, TV function is on, press the third time, TV switch to AV, press the fourth time, both FM and TV/AV stop.
8.3 “” Frequency plus
Press “” to increase the length of one step (the length of one step =50KHz): Press this button over 2 seconds, the system searches the radio stations of larger frequencies automatically; the digital phase locked loop will lock the FM station automatically and the LCD shows the present frequency, when it reaches to the limit of 108.0MHz, press this button again and the frequency jumps to 87.5MHz.
8.4 “” Frequency minus
Press “” to decrease the length of one step (the length of one step =50KHz). Press this button over 2 seconds, the system searches the radio stations of smaller frequencies automatically; the digital phase locked loop will lock the FM station automatically and the liquid crystal shows the frequency of this station; When it reaches to the limit of 87.5MHz, press this button again and the frequency jumps to 108.0MHz.
8.5 “” Volume plus
8.5.1 The tuning steps are 40 with each step 2 dB and the volume adjusting range shall be 80dB ~0dB.
8.5.2 The volume shall be increased by 2dB after press “” once, when press it for more than 2s, the volume shall be increased at the speed 10dB/s.
8.6 “” Volume minus
The volume shall be decreased 2dB after press “” once, when press it for more than 2 seconds, the volume shall be decreased at the speed 10dB/s.
8.7 Station storage/select
8.7.1 Station storage: When FM function is on and select the station frequency to be stored, press “” for 2 seconds, “” shall blink, then press “” to select the location for storage, then press “” for 2s, the station frequency shall be stored in the selected storage location.
8.7.2 Station select: When FM function is on, press “” the corresponding stored station can be selected while LCD displays the corresponding storage location number.
9. Thermostatic heating
9.1 This functions works only when the water pump surf function is on.
9.2 Press “” to start the function, LCD displays “”.
9.2.1 seconds later, thermostatic heating function starts or stops according to the temperature (the temperature that the system defaults is 37°C) :
Controlling rule is as follows:
If the temperature ≥ setting temperature +1°C, stop heating;
If the temperature ≤ setting temperature -1°C, start heating.
9.3 Press “” again for 0.5 seconds to stop the function.