

The Controlling System Of Advanced Big Bathtub

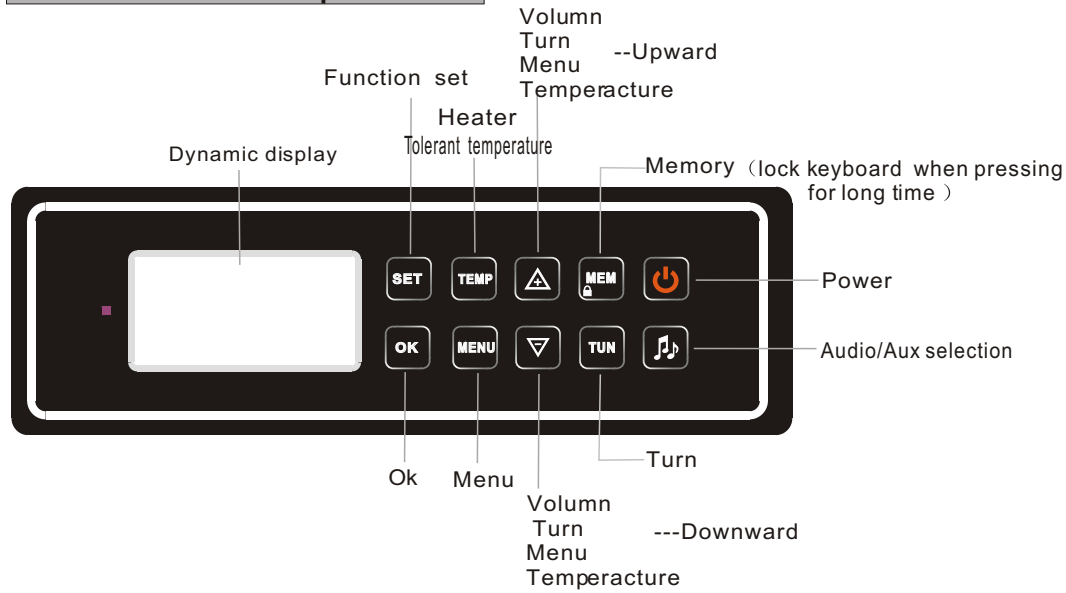
Carry out :GB4706.1-1998
Standard GB4706.48-2000
GB5296.2-1999

The Manual of Installation

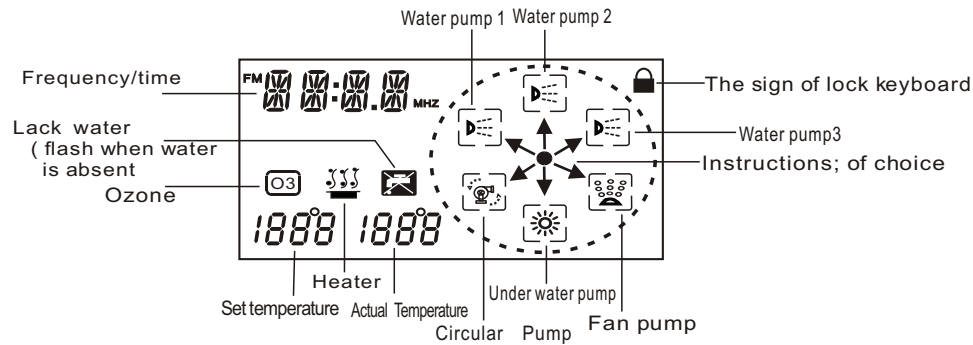
G D -7005

- Please save this manual carefully.

二、Manual of panel:

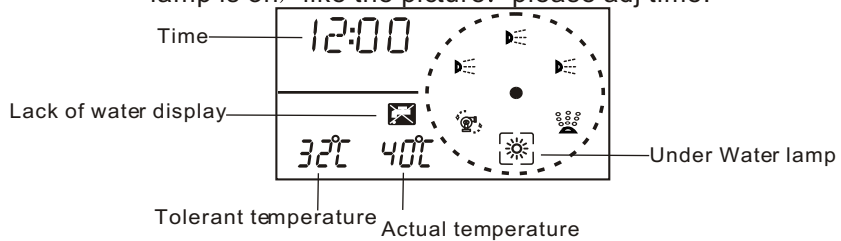


3、Annotation of display:

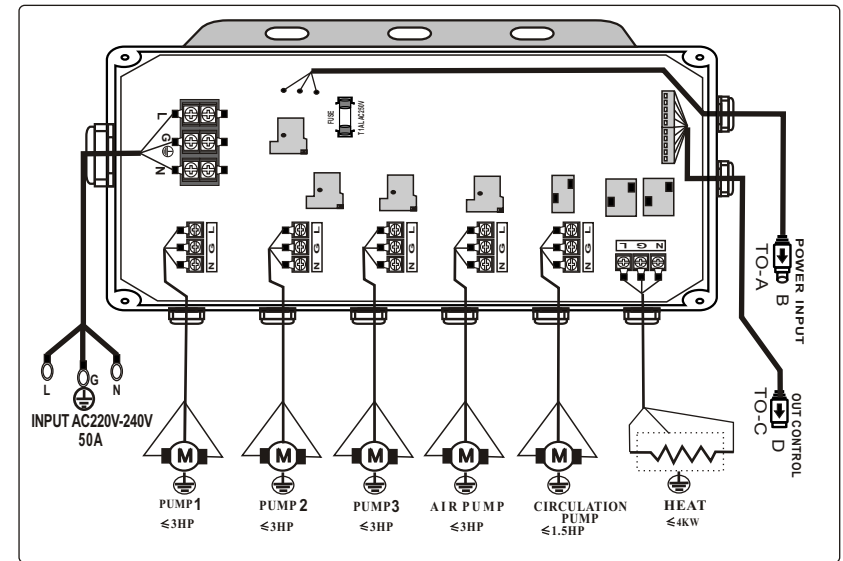
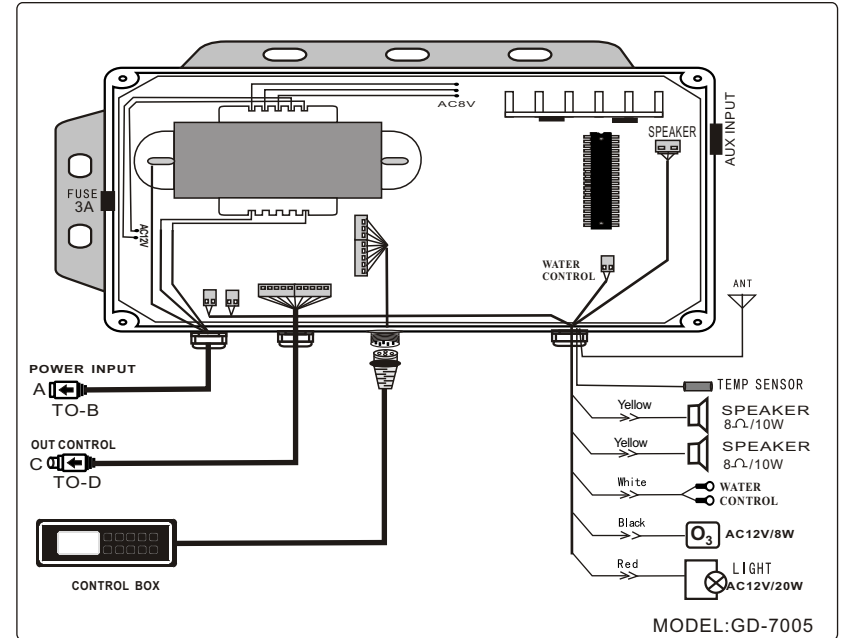


4.The manual of function operation:

1.Electrify: Electrify, pres the power on the panel, controller is on, the under water lamp is on, like the picture: please adj time.

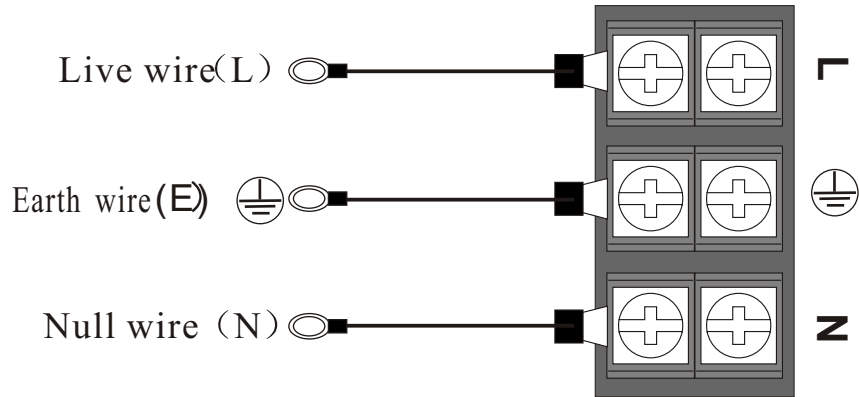


6、Sketch map of linking:

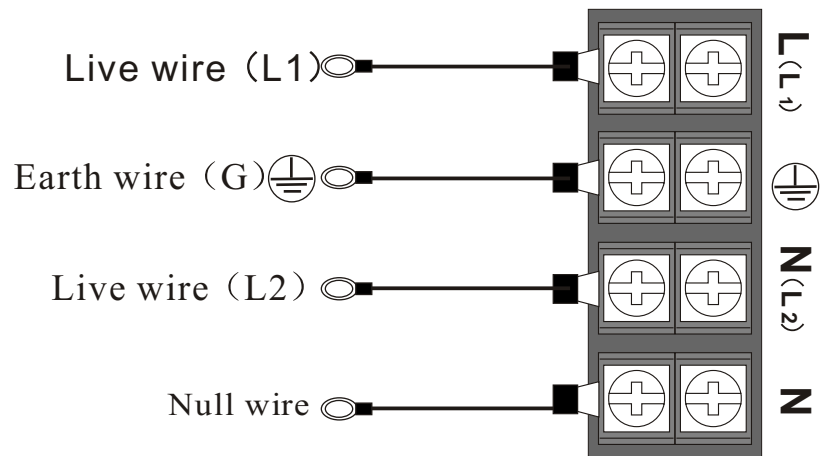


Tth picture of linking cable:

1、220V single phase three core wire: live wire (L) an null wire (N) earth wire (G)



2、110V two phase : Live wire (L1) Live wire (L2)
Null wire (N) Earth wire (G)









1、Technic parameter:

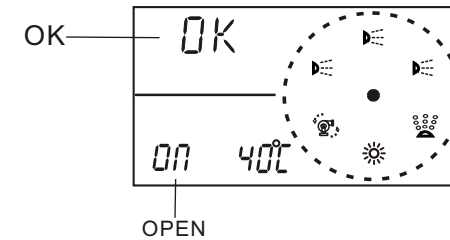
- 1、 Input voltage: AC220V - 240V 50-60Hz
- 2、 Input power: 12kw 220V 50A
- 3、 Output power: heater AC220V 3kw
Water pump 1: AC220V / 2250W
Water pump 2: AC220V / 2250W
Water pump 3: AC220V / 2250W
Circular pump: AC220V / 1000W
Fan pump: AC220V / 2250W
Under water lamp: AC12V / 20W
Ozone generator: AC12V / 10W
- 4、 Intensity of voltage resist: 1.5KV 1mA
- 5、 The creepage electricity: $\leq 0.3\text{mA}$
- 6、 Resistance connecting the ground: $\leq 0.1\Omega$
- 7、 Insulating resistance: $\geq 50\text{M}\Omega$
- 8、 Water proof grade: IPX4 Ω
- 9、 Creepage protective switch current: $\geq 30\text{mA}$

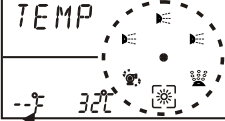

5.The note






- 1、 This system must be installed by the qualify people, the creepage switch plug should be installed the place you can control it conveniently .
- 2 It must be connected the ground hard when it is installed, our factory dose not answer for loss when you did not connect the ground hard.、
- 3、 Steam engine must be installed vertically.
- 4、 The whole set s usually under standbystate. If it is not used for long time, please pull off the master power switch.
- 5、 Do not install the main machine outside the room the rain touched.
- 6、 When you install the machine, you must consider the load of circuitry, or it will prevent the machine work normally and cause the accident.
- 7.Do not connect the other equipment our company did not recommend to this machine' load cable; don't take down or change the connecting cable, or damage the machine.
- 8、 Check the connecting cable before the machine is going to work. Don't pull off the cable when electric leakages.
- 9、 If the technique information is change, we will not inform you.

2.MENU


Enter menu: press  and display shows . Lower Right Corner shows “OFF” , and press  or  .To set “on” , and press  .Enter the setting menu if you do not set the menu in 10 minutes,and the menu get back the original state. Enter the carry on a constitution.It works after you press  .

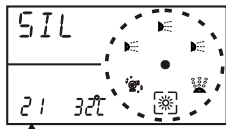




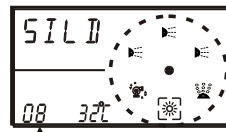


(1). Fahrenheit /Celsius  Press +/--switch the unit of temperature,lower left corner show °F/°C press  to confirm.

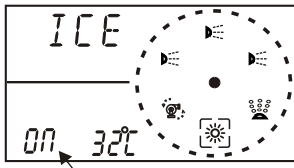



(2).Set real time  ①. Press  to set minute/hour;
②. press  or  to emendation the time;
③.Press  to confirm.

(3).Filter period Filter time (minutes) FP1 press +/- to set 15、 30、 60、 120minutes, press  to confirm.

Stop working time (hours) FP2 press +/- to set the partition stopping time: 4、 6、 8、 12、 24hour, press  to confirm.

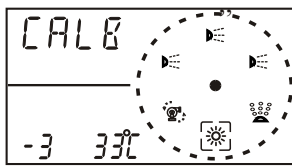




(4). Beginning time of sleeping (SIL)  Press  or  to set 1 to 24 hours namely enter the sleeping state from 1 hour to 24 hours.

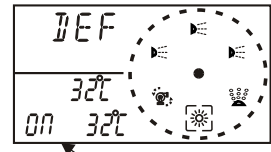


(5). End time of sleeping: (SILD)  press  or  to set 1 to 24 hours namely enter the end sleeping state from 1 hour to 24 hours

(6). Winter mode set: ICE  Press  or  to set ON or OFF, On means enter OFF means quit, press  to confirm

When enter the winter mode, the system per hour will start up the W- pump, C-pump, ozone two minutes,

(7). Temperature error margin correct **CALB** (When the displaying temperature is different from actual temperature, you can correct it by this way.

 Press  or  to correct, press  to confirm
Example: the actual temperature is 30°C, but display 33°C, press  to set -3 c °

(8). Resume the original setting: DEF  press  or  to choose ON, and press "ok" to resume original data .

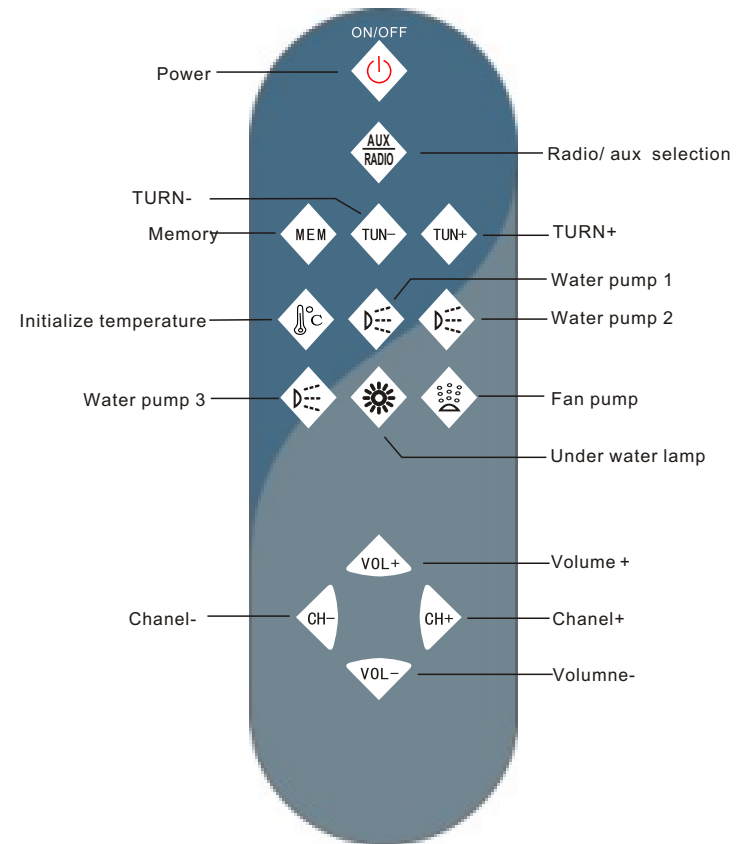
Parameter of original setting:

- The unit of temperature setting— Fahrenheit(F°)
- Tolerant temperature— 100 F (38 °C)
- Winter mode— OFF
- Filter working time(FP1)— 15 minutes
- Filter distant time(FP2) — 4 hours
- Begin sleeping time (SIL)— 21:00
- End sleeping time(SILD)— 7:00
- Temperature correct(CALB)— 0

13. Function of averting icing up:

when the system check the temperature is lower than 5°C, it will turn on the circular pump and heater , when the temperature raises to 8°C, it will stop working. This function is always effective.

14. Remote control function:

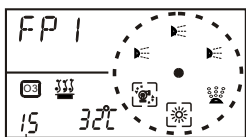


5. Circular pump working state set under stationary temperature state (filtration period):

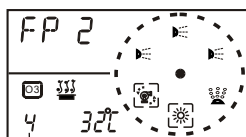
When the system is under stationary temperature state for long time, circular pump and ozone work according to your setting mode to make the water in the tank clean.

Set item: Filtering time(working time)FP1;

Partition period time (stopping time) FP2.



Filter time(working time)FP1: range
15、30、60、120minutes



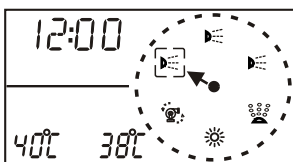
Partition period time (stopping time) FP2:
range::4、6、8、12、24 hours

Example: FP1 is setted 30 minutes, FP2 is setted four hours, and the circular pump stops working for four hours, work for 30 minutes.

6. Water pump, fan pump, under water lamp function:

① Press **SET** 2-3 seconds, the function start gradually, and press **SET** for long time to turn off gradually.

② Press **SET** for short time, The function choice arrowhead points to each function sign respectively, and press **OK** to confirm, it can turn off with the same way.



The system control three water pump at the same time or along, when the water pump start, the circular pump start at the same time. After the water pump is off in ten minutes the circular pump continue to work in 30 minutes before stopping working. The water pump stops working every 60 minutes.

When it is short of water, the water pump protect itself automatically, and the water pump will not start. In the winter mode, the water pump start for two minutes every one hour.

The fan pump function is free from water level control, stop working every 30 minutes.

Directly turn on the underwater lamp with above way.

7. Ozone sterilize function:

A. When the circular pump work, the ozone function start, when the circular pump stops, the ozone function is off.

B. The ozone is off after the water pump works, the ozone function and pump delay 30 minutes to work when the water pump stops working.

8. Radio section:

- (1) Pull out the radio antenna and place in -Y- form. When radio key is pressed, the screen will appear radio frequency and the volume will rise from -0- to -8- DB with slight sound for loudspeaker.
- (2) Search: press the key **(TUN)** for more than 2 seconds, when the screen will display the -TUN- sign. Press **(▲)** or **(▼)** key for upward or downward frequency will move upward or downward automatically until the broadcasting station is received. In the case of poor receiving, environment or weak signal for receiving, it is recommended to select in manual selection mode.
- (3) Memory: After selecting the play station, press **(MEM)** key to display "M--01 " to "M--10 ", then it can be stored in this number. The total memory for station is 10. If the received broadcasting station is not ideal, please pull out antenna and adjust the direction of antenna.
- (4) Repeated hearing: press the **(MEM)** key for selection of the position of desired station, the screen will display the number "Ch01---Ch 10 " thus you can hear the voice.

Search and Memory procedure: ➔ press **(TUN)** when displays "TUN "

➔ press **(▲)** or **(▼)**




➔ press **(MEM)**

Repeated hearing procedure: ➔ Press **(MEM)** key for what you need


- (5) Volume adjustment-----The volume can be adjusted by pressing **(▲)** or **(▼)** key and the screen will display corresponding volume DB number

9. Enter aux function Connect the Exterior audio wire with the external faucet of the main control box, press **(MUSIC)** key to the position of aux, then choose the suitable volume by pressing **(▲)** or **(▼)** to listen

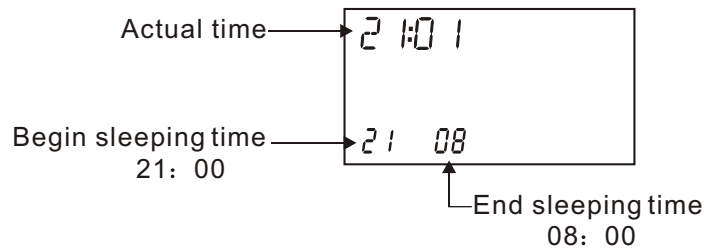
10. Lock the keyboard:

press  for 3 seconds and the display shows LOCK and  icon means that the keyboard is locked, and press  again for 3 seconds and display shows UNLOCK means the keyboard is not locked.

11. protecting state and warning

State	Instruction	Display/alarm
Lack water	Heater, water pump, circular pump is off.	
High temperature Higher than 45°C/114°F	The heater stops working	HEAT
Low temperature Lower than 5°C/41°F	Suggest to set the system winter mode	ICE
The circular pump loaded unsuccessfully	Circular pump is broken or connecting is unstuck	CLDF

12. Introduce the sleeping state:



When the system enter the sleeping time, **filtration period stop work.**




Have no constitution of sleep the mode: only start(CILE) sleep and sleep terminate(CILD) a constitution to is all right for same number

(9) QUIT menu press  to quit the menu..

Note: you enter the menu and do not press any key for 10 minutes, the system will quit the menu automatically

3. Homiotherm implement setting:

Check the temperature of water when you turn on the machine, lower right corner of display shows the actual temperature, when the actual temperature is higher than the temperature you set, it is under the homiotherm state. the heater is off, the circle pump and ozone function enter the filtering periodically mode. If you want to cancel the homiotherm mode, the temperature you set is higher than the actual temperature. You set by contraries, it would enter the heating mode.

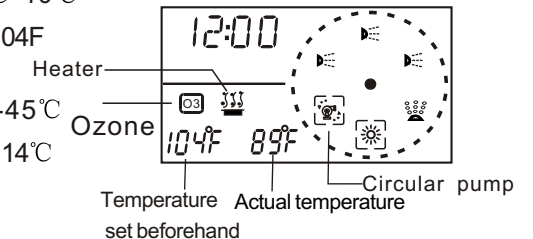
Temperature setting: Press , display shoes “TEMP” 后, press  or  to change the setting.

Temperature setting range: Centigrade 10°C-40°C

Fahrenheit 50°F -104°F

Temperature display range: Centigrade 5°C-45°C

Fahrenheit 41°F -114°C



4. Homiotherm implement working state:

If the water level in the tank meets the demand, the system will check the temperature automatically, if the water temperature is lower than the setting temperature, the circular pump is on automatically, the heater is turned on after 30 seconds, the heater works for period of time, if the water temperature reaches the temperature you set, the heater stops working circular pump and ozone function stop working after 30 seconds the system is under homiotherm state, if the temperature is lower than 2°F (2°C), the circular pump and ozone function is on, the heater starts to work after 30 seconds. It is circular to make the temperature homiotherm.

Note: Before the heater works, the system will check the circular pump, the heater does not works until the circular pump works.