Shower Enclosure

Control Panel Manual

❶ LCD

❷ FAN

❸ LIGHT

❹ FM/CD

❺ ---

❻ +

❼ TUN MENU

❽ ALARM TEL

❾ VOL

❿ STEAM

⓫ ON/OFF

⓬ Steam time
Temperature

⓭ Remote control
window

KL-801

1、Introduction

1. Lighting functions;
2. Fan function;
3. Radio reception, CD function;
4. Alarm function;
5. Phone features;

6. Temperature / Time adjustment;
7. Steam functions;
8. Automatic key lock function;
9. Ozone function;
10. Automatic capture water features;
11. Automatic protection against water shortage in dry function;

2. Help function

1、ON/OFF

When the power on, according to the panel or the remote control button, ⏻ the system started to operate all the features panels for open, Background lightsand lights lit, the display screen show the blue light , liquid crystal display lighting and ambient temperature (figure) This is another key to the implementation of the operation shutdown, close all functions。

2、light

Start the systems, lighting is the default to on, if some one wants to turn on or off the light can press remote control or panels by this button

3、background light

Open systems, lighting for the default to on, if someone wants to turn on or turn off the light can press remote control or panels by this button

4、fan

Start the system, according to the panel or the remote control button to open the fan function LCD screen icon fan Light, and then close the fans can be click key .

5、stream

Open system, according to the panel or the remote control button, open the steam , the steam icon lit LCD screen, Show time and steam, steam system, the default 45 minutes from time to time, temperature 450C. as Systems lack water, Steam can not be opened, the LCD screen icon water non-stop blinking. This button again to turn off steam.

6、Steam temperature and time settings

The Steam work , according to the panel or the remote control button once to adjust. According to the panel or the remote control button, Second, the system of steam into the set-up time, according to the or can set the time value of plus or minus Settings. When the time or the temperature which settings are achieve that which setting, steam machine will automatically stop work .
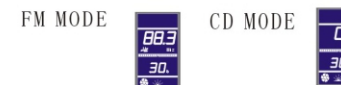
7、ACOUSTICS

1) when the system is working, press the button on the panel or the remote controller once to start the radio function, LCD screen display channel in the state，hold the button about half a second ,It will automatic seek and keep channel.2)Click the button on panel or remote controller one time , the FM icon on the LCD screen shine, then to press the key to or to choose the channel that when the icon of channel stop shine ,it will automatically saved in the last channel. 3) click the button on panel or remove controller the second time, the FM icon on the LCD screen shine, use the button or to choose channels, channels in the range of 0-19. Single click the remote control panel or the key of the second time, the system switch to the CD funtion, LCD screen display the CD mode.

FM MODE   CD MODE

8、VOL ADJUST

In the audio funtion, click the button just the volume or , LCD screen will display for 0db - 15db.

9、phone/alarm

When the system is work ,there is a call in ,the bell will ring.and stop the acoustics funtion.Then press the button ,and to get the phone call ,the icon of phone stop shine.,when finish the phone call , end the call by press this button. 2)when there is no call in ,click this button to the alarm satation.(There is a alarm bell ring). And then press this button second time to shut down the alarm sataion. (And the ring stop) When the alarm satation is on but to shut down the other function the fan and light icon will shine ,then shut down the alarm funtion and the fan and light icon will stop shine.

10、Automatic lock button

When the system is on working，if no one to touch the panel or the control 1 minute ，the system will loch the panel ，except to press the button ⏻ again to make it work again.

11、Ozone

After the work finish,the ozone will work last 10 minutes.

OFF

12、Technical Parameter

Working conditions		Features		
Rated voltage	AC220V-240V	rated frequency	50Hz-60Hz	
rated current	14.1A	power rating	3000W	
insulation resistance	>20MΩ	Waterproof Rate	IPX4	
Load configuration parameter				
Load sort	Rated Load Voltage	Rated load frequency	Rate load voltage	Other
Steam	AC220V	50HZ	3KW	——
Back ground light	AC12V		10W	——
Light	AC12V		20W	——
solenoid valve	DC12V	——	6W*2	——
Fan	DC12V	——	4W	——
Ozone	DC12V	——	5W	——
Acoustics	——	——	8Ω/10W	——

Control box size	
Controller	l*w*h=216mm*73mm*43mm
Electrical box	L*w*h= 215mm*152mm*60mm
Whole machine	L*w*h= 290mm*98mm*190mm

13、Malfunction Solvent

NUM	Malfunction	cause analysis	Solvent
1	No prower	1. plug is no well in 2. digital line is no well in 3. the light short cir-cuit the fuse burn	1. put the plug well in 2. put the digital line in 3. change the fuse.
2	The creepage swich trip	1. the power is overload 2. there are some water in the waterbox	1. the power socket must above the 16A. and the line must 2.5mm above. 2. dry the box
3	No steam and No water	1. the inlet valve is close. 2. the temperture LED E0 3. the temperture LEDE1 4. the inlet valve stuff 5. the steam pipe stuff 6. the temperture outside is highter than the box inside	1. open the inlet valve. 2. open the temperture detection. 3. change the temperture detection 4. clean the stuff. 5. fix the steam pipe. 6. adjust the right temperture.
4	The steam pipe spray water	1. the inlet valver stuff	1. change a new valver stuff.
5	When the steam jet the water	1. the inlet valve stuff 2. the steam pipe stuff	1. change a new inlet valve. 2. clean the pipe.
6	Fm no vol	1. the speaker no work 2. in the CD state 3. the speaker line is no connect	1. change a new speaker. 2. turn to the FM state. 3. connect the speaker line.
7	There is some noise in the FM state	1. the frequency is no well adjust 2. the Antenna is bad set	1. adjust the frequent. 2. change the antenna location.
8	CD keep silence	1. the speaker broken 2. when in the FM state 3. the speak line is no connect 4. CD is no on the power 5. CD digital line is no connect	1. change a new speaker. 2. turn in to the CD state. 3. connect the CD digital line. 4. Access to power. 5. connect the digital line.
9	No light	1. the light burn 2. the line no connect 3. wrong connect	1. change the light 2. connect the line 3. connect the peak load
10	No fan	1. the fan burn 2. the fan line no connect 3. the fan line Positive/Negative is wrong	1. change the fan 2. connect the line in the right
11	No ozone	1. the ozone generater burn 2. the line is no connect	1. change the new ozone generater. 2. connect the line.
12	The telephone no work	1. the telephone line bad contact 2. there are some phone in one line. 3. the speak line in bad contact.	1. connect the phone line. 2. reduce the telephone. 3. connect the speak well
13	No LCD	1. the LCD broken. 2. the LCD line bad contact	1. change a new LCD. 2. connect the line.

Num	Malfunction	cause analysis	Solvent
14	The touch button no well touch and the sensibility week	1. there is void between the touch panel and the panel..	1. cling the two panel again..
15	The remove controller do no wrok	1. the receiver broken. 2. the remove controller low power. 3. the remove controller broken	1. change the receiver. 2. change the battery. 3. change a new remove controller.

Shower Enclosure
Control Panel Manual

Up Position

Function Confirm

Left Position

Right Position

Down Position

Menu/Function Switch
/Station Storage

Power Switch
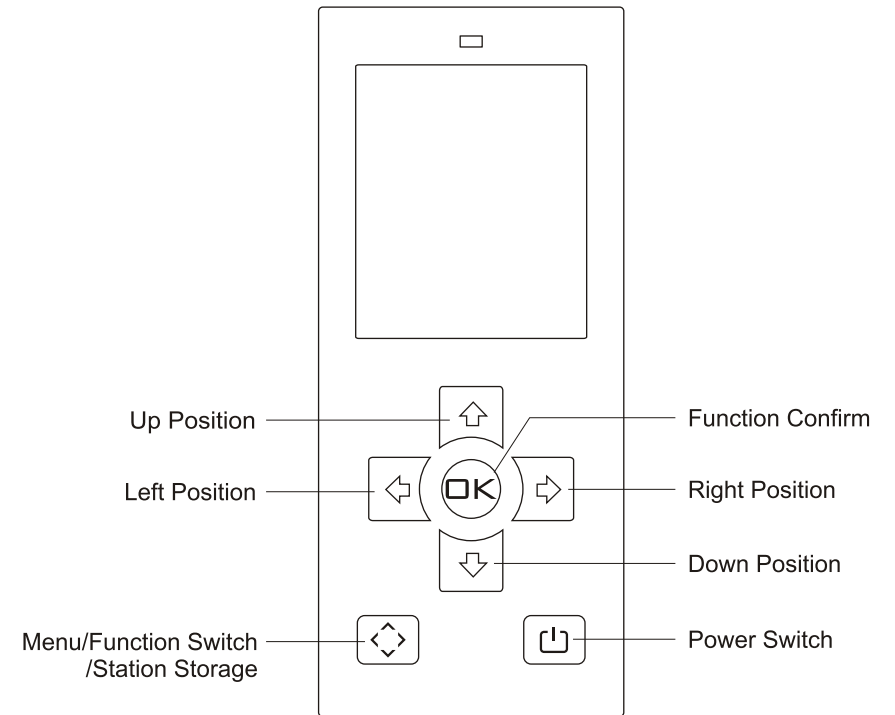
PR-5794

Characteristics of the Controller

1. Rated Voltage: AC220V 50Hz
2. Working Voltage: AC180V-AC248V 50Hz
3. Rated Power: 50W
4. Controllable Current: Max 23A
5. Power Consumption: <10W (all loads off)
6. Applied Ambient Temperature: +5℃-+40℃
7. Sensitivity to the Noise Limit of the Radio: 20dB/μV
8. Telephone Ringing Level: AC45V - AC55V
9. Step-down Transformer Meeting the Requirements of 1500V High Voltage Test as Specified by IEC Standard.

LCD Shows the Following Information

1. Frequency Hopping State
2. Icon and Condition of Radio/Audio
3. Icon and Condition of Alarming
4. Icon and Condition of Lamp
5. Temperature Numerical Value
6. Interphone
7. Steam Working Time

8. Icon and Condition of Fan
9. Icon and Condition of Steam
10. Frequency Numerical Value
11. Station English Symbol
12. Volume/station Numerical Value
13. Volume English Symbol
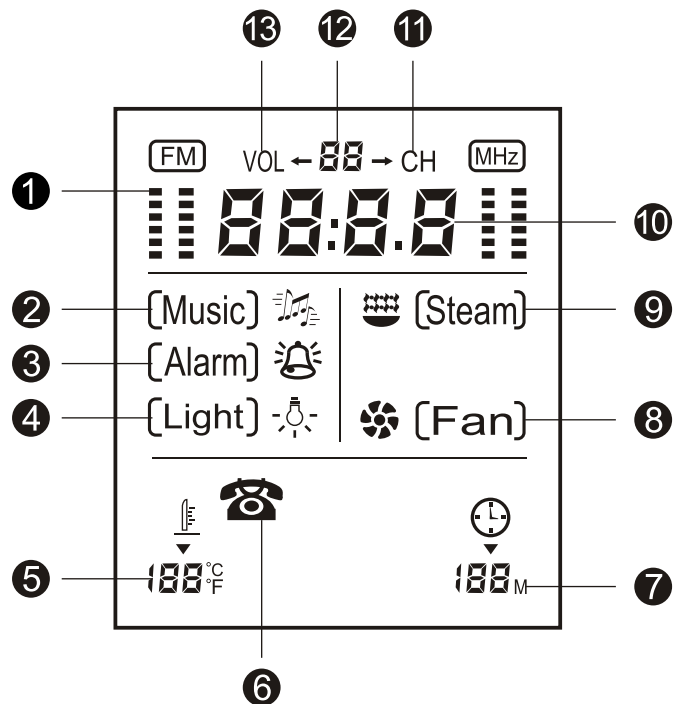
Operation of Control Panel

1. When any function button works, there is a sound of di… di… .
2. Note of Icons and cursor
2.1 Icons like(Music)are directing icons, all the directing icons are displaying on LCD after power on.
2.2 ([ ])is cursor which shows only one on LCD. Press up position, ([ ])moves upward, press down position, ([ ])moves downward. ([ ])stands for the function is selected, press(□K)to start the function. (♪),(▒)are funcion icons, funcion icon will not display if the function was not selected by cursor; the function icon will display on LCD if cursor selected it and will blinks if the function was start. Take FM function as example, if cursor select (Music),(♪)will display on the right side of (Music)that is([Music] ♪).
3. ([⏻])Power
3.1 Press the icon to start the controller, press again to stop the controller.
4. (Fan)
4.1 Move([ ])to(Fan)press(□K)to start fan, (Fan)blinks on LCD; press (□K)again to stop the fan.
5. (☀)Lamp
5.1 Press the power, lamp is turned on, (☀)blinks on LCD; move([ ])to(Light) press(□K)to turn off the lamp; press(□K)again to turn on the lamp：

Lamp is turned on ⟶ Lamp is turned off
Press(□K)again

6. Ozone
6.1 After power off, the Ozone sterilization function automatically works and sterilizes the steaming room for 10 minutes, then it shuts off automatically then fan starts and works for 10 minutes then shut off.
7. FM digital tuning radio
7.1 The FM frequency scope is 87.5MHz-108.0MHz.
7.2 FM digital tuning radio/play CD program(♪).
7.2.1 Move([ ])to(Music), press(□K)to start FM function, (♪)on LCD blinks; press(□K)again to start CD playing, (♪)on LCD blinks; press(□K) another time to stop CD playing, (♪)on LCD stop blinks.
7.3 Frequency plus
7.3.1 Press the right position 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 liquid crystal shows the frequency of this station; when it reaches to the limit of 108.0MHz, press this button again and the frequency jumps to 87.5MHz.

7.4 Frequency minus

7.4.1 Press the left position 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.

7.5 Volume plus(when FM or CD function is on, press($\langle \rangle$)till(VOL ←)blinks)

7.5.1 The tuning steps are 40 with each step 2 dB and the volume adjusting range shall be －80dB-0dB.During the tuning, LCD shall flash to display the volume value and the finally adjusted value shall be the set value.

7.5.2Press the icon right position once the volume value shall be increased by 2dB. When press the icon for more than 2s, the volume shall be increased at the speed of 10dB/s.

7.6 Volume minus(when FM function is on, press($\langle \rangle$)till VOL blinks)

7.6.1 Press the left position, the volume value shall be decreased by 2dB. When press the icon for more than 2s, the volume shall be decreased at the speed of 10dB/s.

7.7 Radio station memory/select

7.7.1 Radio station memory: When you want to save the station, press this icon($\langle \rangle$)in the LCD for over 2 seconds, the LCD shall flash(➞ CH)and the frequency of the station.

7.7.2 Radio station select: When FM function is on, press the icon($\langle \rangle$)channel on LCD blinks and LCD displays(➞ CH)then press left position, right position to select the station, LCD will display the the station position and the corrospoanding frequency.

8. Steam sauna

8.1 Move([ ])to(Steam)then press(□K), (〰)on LCD will blink, water intake valve opens automaticlly and water come into the steam generator.

8.1.1 If the water level sensor senses the water level is normal, the water input stops and the steaming function starts. The controller commands the inner temperature according to the defaults(Inner temperature is 45℃, time default is 45 minutes). It supplies water if needed.
Control rule:
Inner temperature>Default temperature+1℃; The steam generator stops heating.
Inner temperature<Default temperature-1℃, The steam generator reheats.

8.1.2 When reset the temperature and time, the controller will command the inner temperature according to the settings.
Control rule:
Inner temperature>Setting temperature+1℃, The steam generator stops heating.
Inner temperature<Setting temperature-1℃, The steam generator reheats.

8.2 Temperature adjustment

8.2.1 Press($\langle \rangle$) till temperature numerical value on LCD blinks, the unit is(°C)(press again, the unit change to(°F), and numerical value changed also), then press the right position or left position once, temperature will increases or decreases 1℃; if press the right position or left position for more than 2 seconds, temperature will increases or decreases in "1℃/0.5sec"; stop press the right position or left position for 5 seconds, the last digit is the setting temperature, LCD displays the temperature.

8.2.2 Temperature setting scope: 25℃-60℃

8.3 Time setting

8.3.1 Press($\langle \rangle$)till time numerical value on LCD blinks, then press the right position or left position once, time will increases or decreases 5 minutes; if press the right position or left position for more than 2 seconds，time will increases or decreases in "1 min /0.5sec"; stop pressing the right position or left position, the last digit is the setting time.

8.3.2 Time setting scope: 10-60 minutes.

9. Alarm function

9.1 Move($\langle \rangle$)to(Alarm), press(□K), alarm function starts and rings. Press power switch button to stop the function.

9.2 If the system checks there is no operation with the control panel for a long time, ([ ])will move to(Alarm)automatically, in case the user will alarming for help.

10. Low voltage/overcurrent protection

10.1 When the system checks the low voltage or the over current, it will turn off the system.

Shower Enclosure

Control Panel Manual

LCD Screen

Fan Button

Light Button

Vol-

Vol+

Vol Button

Radio

Radio/CD Button

Power Switch
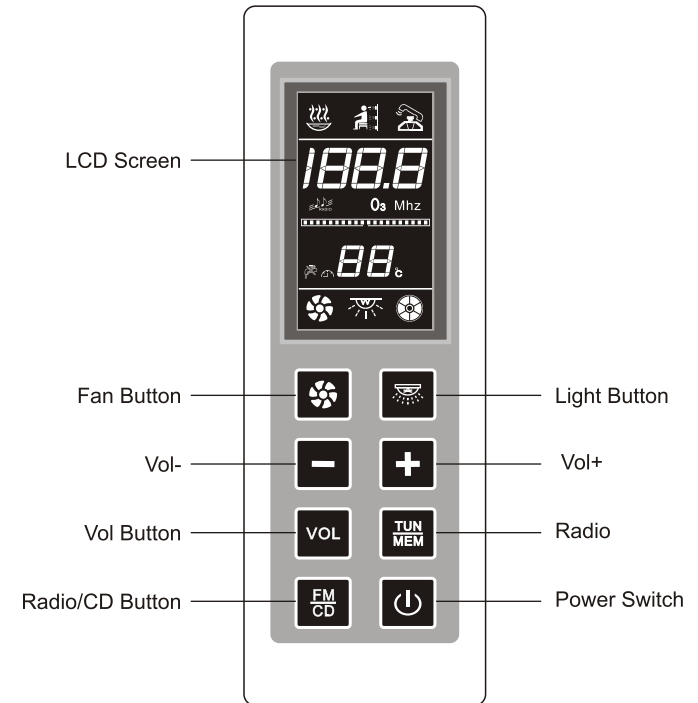
KL-701

Characteristics of the Controller

Rated Voltage: AC220V-240V

Rated Frequency: 50HZ-60HZ

Rated Current: 0.2A

Rated Power: 40W

Insulation Resistance: >20MΩ

Waterproof Grade: IPX4

Function Brief

1. Lighting Function
2. Fan Function
3. Radio/CD Function
4. Auto-lock Function
5. Ozonizer Function

Operation of Control Panel

1. When it is electrified, press the button(   ), systems begin to work and get into the working status, back-lights and headlight are on, LCD screen send out blue light, and display the temperature, lighting. Press the button again to stop all function.

2. Headlight

   Press power on, headlight is turned on. If want to turn on /off the headlight, pls press the button(   ).

3. Backlight

   Press power on, backlight is turned on. If want to turn on /off the backlight, pls press the button(   ).

4. Fan

   Press the button(   )to open the fun function, Fan Icon blinks on LCD, press this button again to stop fan function.

5. Sound

   When the system is on, press (FM CD)one time to start FM radio, LCD will show current frequency. Then press(TUN MEM)about 0.5 seconds to automatically search large frequency and memory the radio station. One-Click(TUN MEM), and Frequency blinks, press again (+)or(−)to manually search up or down, stop the blinks to auto-save the last frequency. One-click(TUN MEM)double times, radio frequency blinks, press(+)again or (−)up or down to select channel, the channel scope is 0-19. One-click(FM CD)2rd time to start CD, LCD shows "CD" icon.

6. Volume

   When the sound is on, click(VOL)one time, press(+)or(−)to increase or decrease the volume. LCD shows the scope 0db-15db.

7. Auto-lock

   Not any operation for one minute, system automatically locks, click one time on this button(   ) to unlock it.

8. Ozone

   After power off, the Ozone sterilization function automatically works and sterilizes the steaming room for 10 minutes.