



computer controlled-panel

Totally have 15 keys on the computer panel, below are the detailed function of these key:

- 1) " SETECT " push this key to choose different function (key 10)
- 2) "O"Setting up increase (key 15)
- 3) "O"Setting up reduce (key 11)
- 4) " LIGHT " push this key to choose light on/off (key 14)
- 5) "PUMP1" push this key to run pump1 on\off (key 13)
- 6) "PUMP2" push this key to run pump2 on\off (key 12)
- 7) "PUMP3" push this key to run pump3 on\off (key 8)
- 8) "OZONE" push this key to run ozone on/off (key 0)
- 9) "HEAT" push this key to run heat on /off (key 4)
- 10) "RADIO" push this key to choose radio on/off
- 11) "TUNE" push this key to search different channel (key 5)
- 12) "MHZ" station storage
- 13) "+" ascend (key 2)
- 14) "-" descend (key 6)

operation instructions of computer controlled-panel

- 1) Lock:When " LOCKED " letter appear, show that the computer controlled-panel is locked. other time do not appear)
- 2).Heat icon: Show the heater is heating water. (The forms of the ripples and thermometer and " HEAT " letter appear when heater is working, other time do not appear)
- 3).Ozone icon:Show that the ozone generator is running. (ozone generator, in the operation form and " OZONE " letter, other time do not appear)
- 4).Main show icons: Show circulation / heating cycle go on or show the parameter of the circulation chosen /the heating cycle
- 5).Set up icons: Meaning of character that these characters can make you distinguish and show on 4 main displays . " SET " figure appears under setting up the temperature state. Under the states in setting up time it flicker clock point of two pieces of ": " Will stop flickering.
- 6).Light icon: Show that the underwater light is on. When the underwater light is bright, the light icon appears .
- 7).Pump 1 shows icons: Show that water pump 1 (massage water pump) is operating. It is not to show not to operate .
- 8).Pump 2 shows icons: Show that water pump 2 (massage water pump) is operating. It is not to show not to operate .
- 9).Pump 3 shows icons: Show that water pump 3 (circulating pump) is operating. It is not to show not to operate .
- 10).The clock showing

11).The frequency of the radio showing and the volume showing.

1). opening the lock

Initial while having the electricity, LCD shows the present time, and show the present temperature of water inside the tub, the button board is in " LOCKED " state .To unlock the computer controlled-panel,just to press " RADIO ", " +", " MHZ", " PUMP3" , " PUMP2" " PUMP1 " in sequence and the " LOCKED " mark disappears.

2) temperature establishing

The computer controlled-panel shows the actual temperature in the tub.While there are no clock and circulation of heating, press directly "O" "O"Key acquiescence establishes

temperature (establish the range from 18 degrees Centigrade to 40 degrees

Centigrade). Can press (O) key to increase the temperature of establishing, press (O)

key to reduce the temperature of establishing . Heating and control adopt the fuzzy control method, can control the temperature accurately , can also protect the relay .

5) . water pump 1

This key controls the first massage water pump. Start water pump 1 according to press the button for the first time. Shut off water pump 1 according press the button for the second time

6) . water pump

This key controls the second massage water pump. Start water pump 2 according to press the button for the first time. Shut off water pump 2 according press the button for the second time .

7) . water pump 3

This key controls the circulating pump. Start circulating pump according to press the button for the first time. Shut off circulating pump according press the button for the second time .

8) . cleaning circulation

Every day 12 o' clock at noon: the computer controlled-panel starts massage water pump 1 and 2 automatically for 1-2 minutes. This clean circulation is presetted by factory,the initial time and circulation time can't be adjusted . If heating / filtration circulation procedure sets up circulation for 12: 00 to start, the circulating pump will run until the presetted time is finishing. After 1,2 massage pumps stop, the circulating pump will be started and run for one minute automatically.

9) . circulation operation

When water temperature in the tub is 2 degrees higher than the presetted temperature and time to arrive 12: 00, the water circulating pump and ozone generator can still be started.

10) . **heating / filtration circulation**

30 minutes' heating/ filtration circulation will separately start at 6:00 morning , 12:00 at noon, 00, 6:00 p.m.: and 0:00 .This duration is presetted by factory .The start time and the heating / **filtration duration** can be reseted.

11) . " **SELECT** " operation key.

"The clock is set up " to press " SELECT " key and it states that " the circulation is heated and set up " in succession and can be entered, the order is: " the clock is set up " O" the first circulation heating " O" the second circulation heating " O" the third circulation heating " O" the fourth circulation heating " OWithdraw from the state of setting up. At this moment, press "O" key enters the corresponding state of setting up , press "O" key, close this establishment, and enter the next ring to set up and choose automatically.If there is no input signal from "SELECT ", "O" or "O" within 10 seconds, the panel will withdraw from " SELECT " state automatically.

12) **clock setting**

Press " SELECT " key for the first time, enter the clock and set up state, at this moment": " Indicate that does not flicker again, press "O" The key is opened and set up . At this moment ,the "O" key switches over the key for " hour " and " minute ", press "O" in order to raise the key.

13.) **heat circulation setting**

Press " SELECT " key in succession, can enter the " preserving circulation and heating and setting up " state , LCD will show that corresponding circulation indicates and starts / closes the state, will press at this moment "O" to open and set up , press "O" key to close.

After opening and setting up, "O" Key to " hour ", it can't switch over key of with " duration " after " minute ", "O" In order to raise.

14). **radio setting**

" RADIO " is the key of radio on/ off

Under the state of opening of the radio , press " TUNE " key , enter and adjust a state, at this moment" MHZ " indicate know it flicker, press " + " , " -" At the time of key it is adjustable platform, it press by " MHZ " at this moment can deposit platform of the key , press " TUNE " key or have in 10 seconds under transferring sets of state " + " , " -" , " MHZ " operates and withdraws from the state of adjusting.

Under no-adjusting state , press "+ " , " -" key, in order to change volume, in order to fetch the platform according to " MHZ " .

- If the hot tub pump is located below water level, the water should start circulating immediately. If the motor works but you do not notice water circulation within the first 15 seconds, the pump may require priming due to trapped air (referred to as an 'air lock').