

# User's Manual

## LCD controller

### SAFETY GUIDE

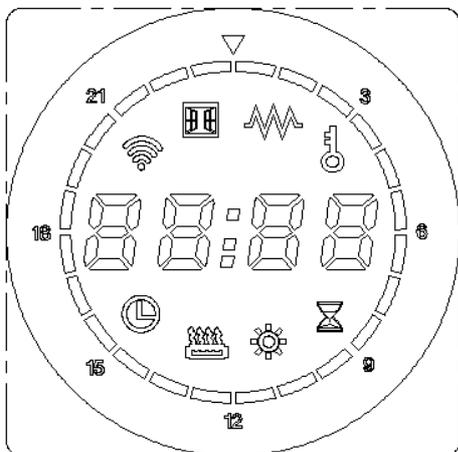
1. Do not open the case in any condition.
2. Never use device that is damaged in any way.
3. Please check the input voltage used in your home equals to the marking on the label of device prior to connect it.
4. The power cable should not be repaired once it is damaged. Asking help from an agency or specialized shop for replacement.
5. Always ground the device.(Connect to a grounded socket)
6. The device should not be connected to a power socket while being installed.
7. Do not use the device no other open flame equipment. The product is designed to fit with towel warmer. Be caution of the level of liquid agent. The heating element must work in a full liquid agent environment. Do not let it work in dry condition.
8. Do not splash water or other liquids on the plastic body of the device.
9. Do not touch the device with a wet body.
- 10.The device is not allowed to be operated by children or persons with limited mental capacity.

**Please read this manual carefully before you start using the controller.**

## 1. Technical information:

- a) Power supply specification: AC230V/50HZ
- b) Operating temperature range: 0~55°C
- c) Set temperature range: 30~70°C
- d) Time mode: 24-hour
- e) Week mode: digital display 1~7
- f) System mode: free, schedule, constant temperature, timing

## 2. LCD display :



## 3. Icon display instructions:

**3.1 Free mode:** Temperature can be set separately, shown as , the adjustable range is 30°C~70°C.

**3.2 Constant temperature mode:** Temperature is not adjustable, shown as , the temperature is fixed at 50°C.

**3.3 Timing mode:** The temperature is fixed at 65°C, shown as , drying time can be adjustable, the adjustable range is from 30 minutes to 8 hours.

**3.4 Schedule mode:** Timing function, shown as .

**3.5 Time and temperature display:** Display setting temperature and time, shown as .

**3.6 Heating function:** The heater is working, shown as .

**3.7 Child lock:** Unable to operate any keys(except open and close),shown as .

**3.8 Timeline:** Timing time can be adjusted,adjusting range is 0~23H,shown as .

**3.9 Keys description:**

 open and close(upper left)

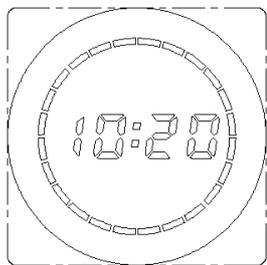
 function(lower left)

 add(upper right)

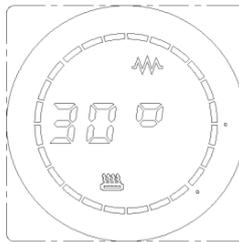
 minus(lower right)

**4.Mode operation instructions:**

**4.1 Boot up:** Short press  to enter from shutdown state to boot state(in the shutdown state, short press any other button products will not react).Shutdown display



time,shown as



**4.2 Free mode**



: shown as

,short press  or  to set

the temperature in free mode,short press  to increase the temperature,short

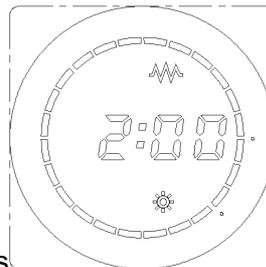
press  to decrease the temperature,1°C by one step.long press  or  1s will have acceleration function.

In the free mode,if you press ,controller will be switched to timing mode .

**4.3 Timing mode**



: The heating temperature is fixed at 65°C,the heating time

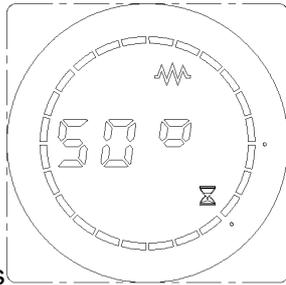


can be adjusted from 30 minutes to 8 hours.shown as

Short press  or  to set timing mode time, short press  to increase time, short press  to decrease time, 30 minutes by one step. Long press  or  1s will have acceleration function. After the timer expires, the device will enter standby mode.

In the timing mode, if you press , controller will be switched to constant temperature mode.

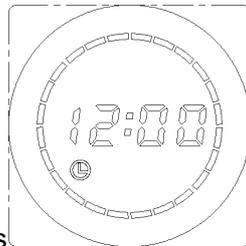
#### 4.4 Constant temperature mode : The heating temperature is fixed at



50°C, shown as , temperature cannot be changed in this mode.

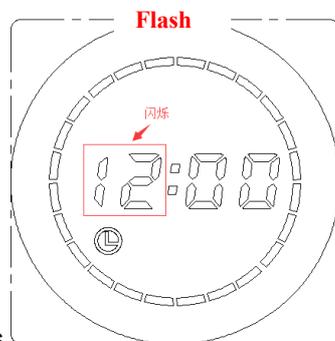
In the constant temperature mode, if you press , controller will be switched to schedule mode.

#### 4.5 Schedule mode : Schedule mode allows for time, week, and weekly program Setting, in the first use of equipment (or in a power off status), you should set



time, week at first .shown as

##### 4.5.1 Time setting: Long press 3s to enter time setting, firstly set as an

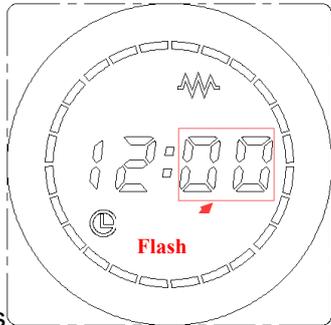


hour, shown as  or  to adjust the clock

time, adjusting range is 0~23H, 1 hour by one step, long press  or  1s will have

acceleration function.(No operation within 30s will exit time setting and enter minute setting).

After hour setting is completed,short press <sup>MENU</sup>,the minute time "00" flashes(flash by

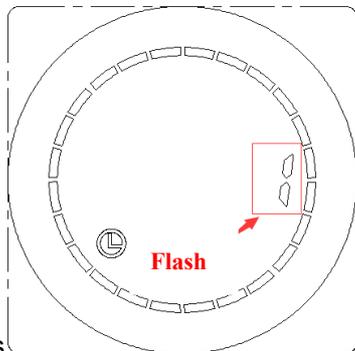


0.5s),shown as

Short press  or  to adjust minute,adjusting range is 0~59 min,1min by one step,long press  or  1s will have acceleration function.

After setting the time,short press <sup>MENU</sup> to enter week set (No operation within 30s will exit time setting and enters week set) .

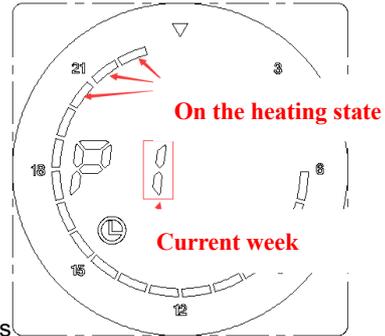
**4.5.2 Week setting:** To enter week set,the last number flashes ( flash by



0.5s),shown as

Short press  or  to set the week,adjusting range is 1~7 day,1 day by one step,long press  or  1s will have acceleration function; 1=Monday, 2 =Tuesday, 3=Wednesday, 4=Thursday, 5=Friday, 6=Saturday, 7=Sunday.

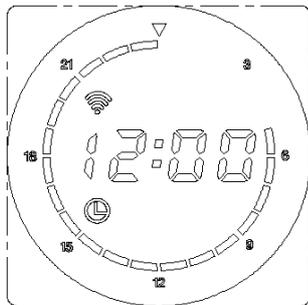
After setting up the week,short press <sup>MENU</sup> to enter weekly program Setting (No operation within 30s will exit week setting and enters weekly program setting)



**4.5.3 Weekly setting:** To enter weekly program, shown as

Short press  can view the Setting for the rest of the week, timeline shows (■) indicates that the current period is heating, timeline shows □ (blank) indicates that the current period is not heating. The following photo defaults the setting from Monday to Sunday.

Monday to Sunday: Heating status from 5:00- 23:59 (Other times are not in the heating



state)

After setting Monday, short press  to enter Tuesday, until Sunday.

After setting day program, short press  to enter running state (No operation within 30s will exit day program and enter running state)

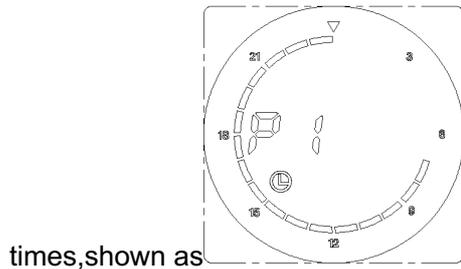
**4.5.4 Weekly program modification:** Long press  3s to enter weekly program

modification, short press  or  to set the weekly program, short press  indicates that the current period is heating, ■ flash 3s, dark 1s; short press  indicates that the current period is not heating, ■ dark 3s, flash 1s, increase 1H by one step, flashes in the setting time, loop setting when rising to 23H.

For example: adjust Monday weekly program in the heating status from 07:00 to 23:00 (not

heating at other times). You should long press  3s when controller is in the Monday

weekly program(P1) ,then press  from 07 :00 to 23 :00,press  for other



times,shown as

After adjusting,short press  to exit setting and continue day program (No operation within 30s will automatically exit weekly program modification)

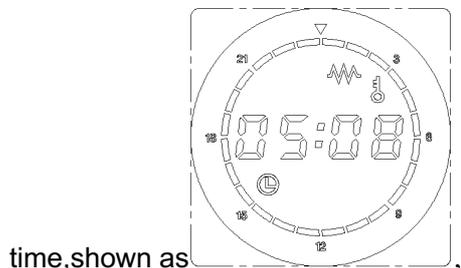
**4.5.5 Running state:** Running state will show the setting time, timing mode shows controller is in the weekly program .When the current time is in working state,  will be on for 3 seconds and off for 1 second; when not working,  will be off for 3 seconds and on for 1 second.If the product is in working state, the heating icon lights up.

For example: the current time is 05:08,shown as



green arrow ,on for 3 seconds and off for 1 second.

**4.5.6 Child lock ** : Press  and  in the boot state at the same



time,shown as ,unable to do any operation in child lock mode (except

open and close),under child lock,press  and  3s at the same time can open the lock.

**4.5.7 Restore factory Setting:** In the boot state,after long press  10s,system will automatically starts to restore the factory Setting,full screen with 3s,then enter

shutdown,press  to restart the system,the normal temperature in restore factory Setting is 50°C, heating time is 2 hours,time shown as"12:00", week shown as"1".

**Exception code description:**

Screen display	Possible failure	Solution
Er	Temperature sensor open circuit or short circuit	Temperature sensor failure,change the heating elements or controller