

## CDN 441005290 LCD Controller Instruction Manual

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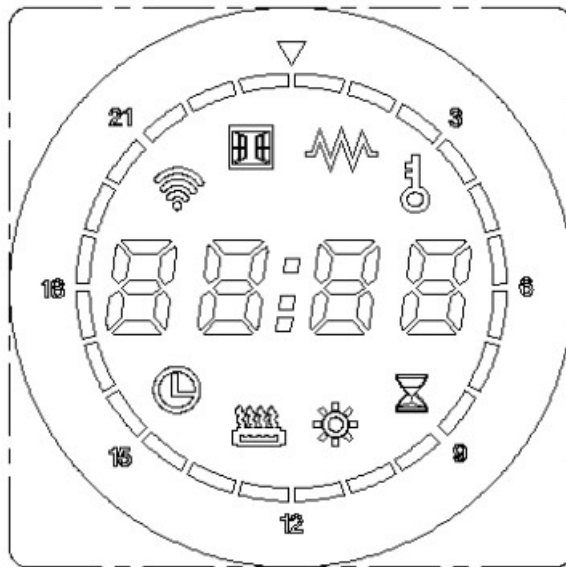
### 441005290 LCD Controller Instruction Manual

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#### Description:


1. Basic instructions:
  - a) Power 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 :




## 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 unadjustable, shown as , the temperature is fixed as 50°C.


3.3 Timing mode: The temperature is fixed as 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)

 add (upper right)

 function (lower left)










 minus (lower right)


## 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  3s 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 in 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  3s will have acceleration function.

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



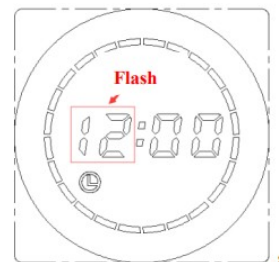
**4.4 Constant temperature mode**  : The heating temperature is fixed in 50°C,shown as  ,temperature cannot be changed in this mode.

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




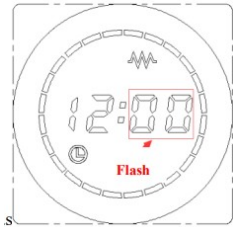
equipment (or in a power off status), you should set time, week at first .shown as








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

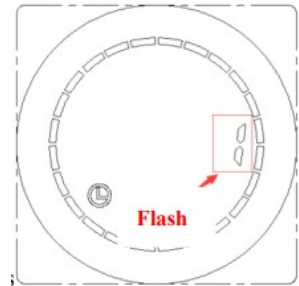
,short press  or  to adjust the clock time,adjusting range is 0~23H,1 hour by one step,long press  or  3s will have acceleration function.(No operation within 30s will exit time setting and enters minute setting).

After hour setting is completed,short press ,the minute time “00” flashes(flash by 0.5s),shown as







Short press  or  to adjust minute,adjusting range is 0~59 min,1 min by one step,long press  or  3s will have acceleration function.

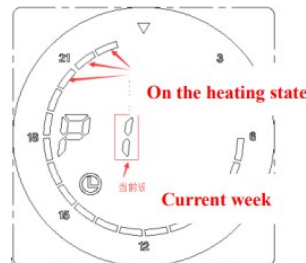
After setting the time,short press  to enter week set No operation within 30s will exit time setting and enters week set .





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  3s will have acceleration unction;1=Monday,2=Tuesday,3=Wednesday, 4=Thursday, 5=Friday 6=Saturday, 7=Sunday.

After setting up the week,short press  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





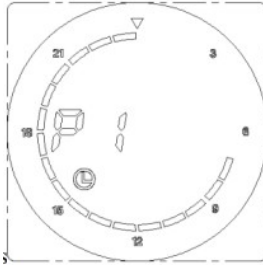
After setting Monday ,short press  to enter Tuesday,until Sunday.

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




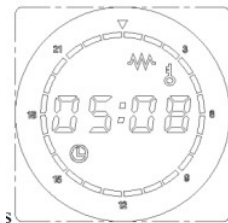
07:00 to 23:00, press  for other times, shown as






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  or  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  or  and 3s at the same time can open the lock.

## WIFI control:

### 5.1 Preparation

Make sure your smartphone is connected to network.

Make sure that the distance between your product and the network device is no more than 25 meters. If there is a wall barrier, no more than 2 layers through the wall.

Make sure the product power plug is connected to the power outlet.

Make sure the temperature control of product is turned off (factory default).


### 5.2 Download "Smart life" APP

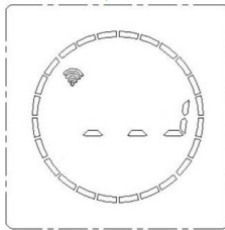
You can use the scanning software, such as wechat to scan the following code then you will directly jump to the

download page, or search" Smart life" in the Google to download APP.



<https://smartapp.tuya.com/smartlife>

5.3 Make sure controller is turned off, then press and hold the  key on the controller for 3 seconds to enter the

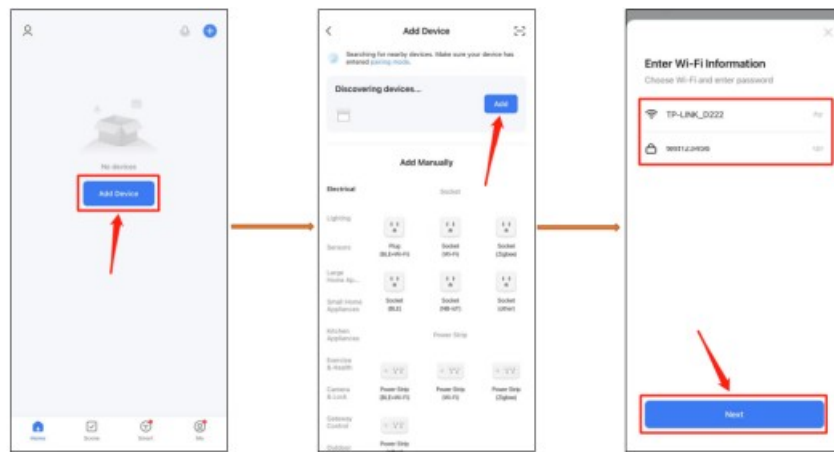


code status (This state lasts 100 seconds).

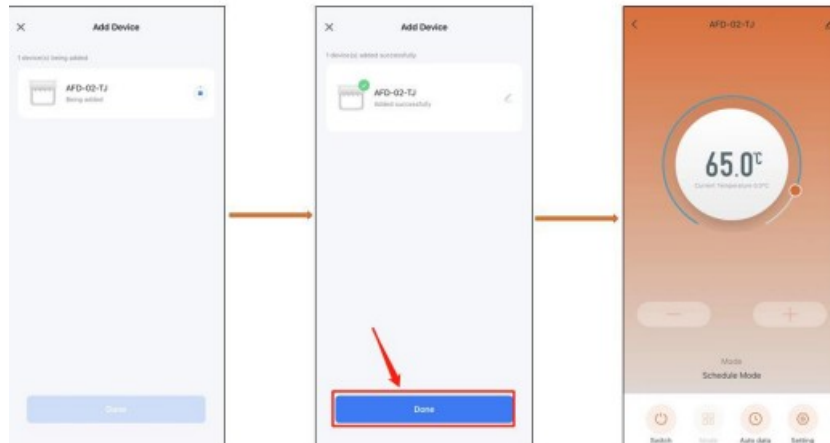
#### **5.4 Add device steps:**

5.4.1 Click on the main interface "+", select "Add device", the smartphone will automatically display near-closed the network at this time.

5.4.2 Enter your network Password in the WIFI and then click NEXT, the system hint the setcode successfully.



5.4.3 Being added→Added successfully→Return the menu



5.4.4 Connect successfully



## 5.5 Four modes preview

5.5.1 Constant temperature mode:The heating temperature is fixed in 50°C,temperature cannot be changed in this mode.

5.5.2 Free mode:Temperature can be adjusted from 30°C to 70°C.

5.5.3 Timing mode:Heating time can be adjusted from 0.5hr to 8hrs.

5.5.4 Schedule mode:You can freely set the heating time from 01 00-24:00,Monday to




Sunday,shown as \_\_\_\_\_,blue is selected, gray is unselected.

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



## Documents / Resources

	<p><a href="#">CDN 441005290 LCD Controller</a> [pdf] Instruction Manual 441005290, 441005290 LCD Controller, LCD Controller, Controller</p>
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## References

- [User Manual](#)