BLUE ICE THERMOSTAT Instructions

Dikital display thermostat, is applied to a two water control systemor wind system. By comparing the results of temperature control ofambient temperature and setting temperature, coil control air conditioning system and electric valve, electric valve or valve workingcondition, in order to regulate the environmental temperature, comfort
and energy efficiency.

The digital display thermostat adopts microcomputer control technology,especially the large LCD display, which is elegant and easy to use. It canchoose the heating / cooling mode and set the required indoortemperature through the key.

Basic function

1.indoor temperature setting 2.temperature calibration work
3.indoor set well display 4.low temperature protection functions.
5.cold and warm mode switching 6.manual or automatic fan threespeed conversion
7.key locking

Special function

Sleep function timing switch Blue backlight function
Operation desription

Key logo

Open/Close (⏽) wind speed selectionkey(✂)
Mode conversion key (M/✺) temperature adjustmentkey (▼▲)

Open / Close key:

In the electric state, the button ⏻ opens the system, the windspeed is displayed by default, the temperature, indoor temperature,mode and other parameters are set. Again the button ⏻ is closed,the electric method and the fan output are closed.

Mode key:

Cold wind mode and cold wind mode are used for indoorrefrigeration. When setting the temperature below the indoor temperature, start the electric valve and open the corresponding wind speed output. On the other hand, the electric valve is closed. The wind speed output is closed.

Warm air mode, warm air mode for indoor heating. When theindoor temperature is lower than the stting temperature, the electricvalve is started and the coreoeding wind speed output is opened. Onthe cotrary, the electic valve is closed and the wind speed output is closed.

Wind speed selection key:

Each time the wind speed key can switch back and forth in the windspeed "high school and low automatic" four gears. And the electric valve open under the premise of the corresponding output.

Up and down adjustment keys:

The key can be adjusted to set the temperature. Each click, set the temperature change to 1℃.

Advanced options settings:

1.**shutdown state**: long press mode conversion key and wind speed selection key, enter the advanced option setting mode, press the mode conversion key, and choose all advanced options by cycle.

2. **screen display**: 01--- indicates the entry temperature compensation and correction; the key ▼▲. Vadjustment and correction value is adjusted from 5 ℃ to -5 ℃, the default is -2 ℃; and then press the mode conversion key: enter the narrow advanced mode setting.

3. **screen shows**: 02-- represents anti freeze function; key ▼▲ changes the current antifreeze state, from - to 5℃ centigrade show "-" to indicate the anti freeze function. Display 5 indicates that in the shutdown state, the temperature is equal to or below 5℃ centigrade to open the antifreeze, and the output of the electric valve and the output of the wind speed is corresponding.

Other functions

Sleep function

Press the mode key for 3 seconds, and switch to the sleep displaystate acording to the mode key. The key ▲ is confirmed and the key ▼ is cancelled.

Set time to start

Press the mode key for 3 seconds, and switch to the timing by themode key. The button ▼▲ is adjusted to set the shutdown time, and then automatically confirm after 5 seconds.

Set the timing shutdown

the mode key for 3 seconds, and. switch to the timing shutdown according to the mode key. The button ▼▲ is adjusted to set the shutdown time, and then it is automatically confirmed after 5 seconds.

Locking function

At the same time, a long keypad ▼▲ will enter the full lock state for 8 seconds (switch key is also locked). At this time, the lower right screen will display the "LOCK" icon, and the key ▼▲ will be released for 8 seconds.

Electrical specifications

Temperature sensor: NTC thermistor temperature progress: ±1℃
Temperature setting: 5~35℃ display range: 0~50℃
Working environment: -15~75℃ Display: LED LCD screen
Humidity:5~95%RH(non-condensation) power consumption: <1W
Load current: 2A resistive load 1A (inductive load)
Power supply voltage: AC220V, 50/60HZ

Mechanical specifications

Shell: PC+ABS flame retardant key: touch key
Installation hole distance: 60mm (standard) protection grade: IP30
Shape size: 86x86x15mm (long x wide x high)
Terminal: can connect 2x1.5 * m² m or 1x1.5 m² m wire

Installation method:

The first step: the power supply box in the correct wiring connection, after confirmation embedded 86 cassette.

Second step: disassemble the control board, insert the 4mm in the slot

with 3.5mm screwdriver along the slant, pry it up and open the hook.

The third step: take the 2 screws in the packing box to fix the lower

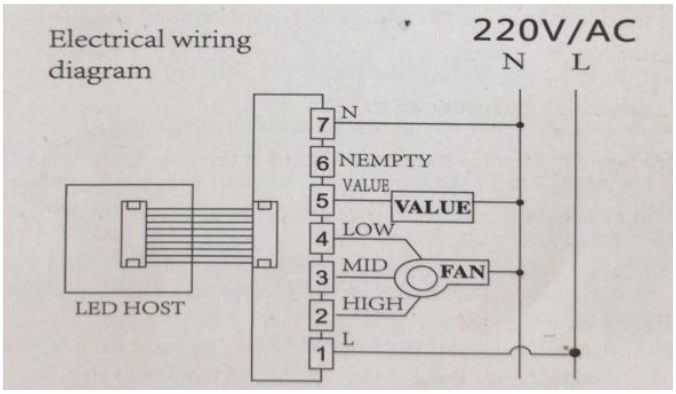
board of the control board.

Four step: connect the power board to the control board line (do not pull).

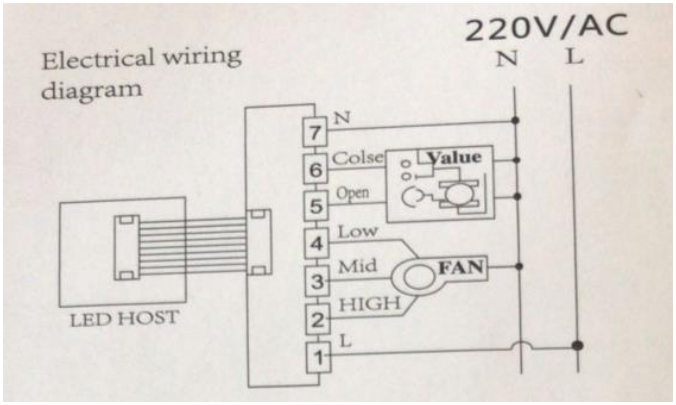
The fifth step is to connect the plate with two hooks at the 30 degreeangle, and press the lower side with a little force, and hold the upper shell.

Common fault treatment

phenomenon	**processing method**
not open the machine	1. check power connection is not correct 2. check whether the boot key is valid
Liquid crystal display random code	Whether the rear shell is installed or not, can be loosened and reinstalled
Show normal no output	Check the damage of the main board and the power board connection
Incorrect temperature display	Calibrating temperature display through panel



Wiring diagram of two wire electric valve and fan coil



Wiring diagram of three wire electric valve and fan coil

Warranty and after-sales service

1 years from the date of the sale of the product, the damage caused b y human factors or unresistable forces during the warranty period is not guaranteed. The damage is beyond the warranty period or human factors. It is necessary to return to the maintenance company for a certain protection fee according to the circumstances. The right to explain is owned by the company.

Note: because this product part of the circuit involvesstrong power, t he need for professional installatio!!!!