User manual

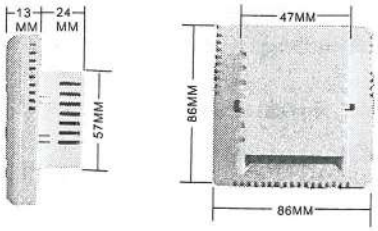
KSD

Ⅰ . Product introduction

Our Intelligent temperature controller is researched and developed under the international advanced electronic technology, which has a variety of functions such as temperature detection, temperature compensation, user temperature setting, fan operation mode setting etc. It is used to control the central air conditioner by a double tube & line or a ternate tube & line valve and can be set to a high-mid-low fan speed mode. We are trying the best to committed to every user to supply a more effective energy conservation environment for our users. As an air-conditioner part product,SKR8XXX has passed ISO9001 and up to the national electrical safety installation standards.

Ⅱ . Theory and specifications

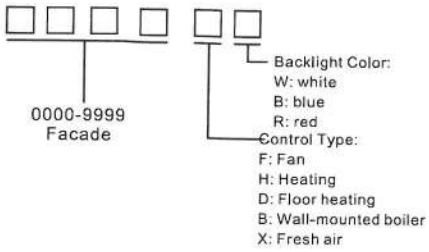
Built-in processor calculate the current room temperature to compare with the user's by collecting the signal of high-precision NTC temperature sensor, and control the electric valve and fan to output the corresponding control signal according to user's setting.



Ⅲ . Technical parameters

Temperature detection range: 0 ~ 100 ℃
Input voltage :AC 220V/1PH/60HZ
Control precision: ± 1 ℃
Load output power: AC 250V / 3A
Power consumption: <1.5W
Dimension: 86 * 86 * 37mm

Ⅳ . Model Guiding



V. Operating Instruction

5.1 Button:

⏻ POWER	▲ UP
M MODE	▼ DOWN
SPEED	◷ CLOCK

5.2 Operating:

The screen and backlight keep on 2 seconds then off while power's available. Initialization done.

5.2.1 Press ⏻ to power on. The machine shows the present temperature and setting one.
5.2.2 Press M to cooling(cool air) or heating(warm air) function.
5.2.3 Press SPEED to set different speed (high, medium, low, and auto). >3 ℃ of temperature difference between the room and setting means high speed, 2~3 ℃ for medium and <2℃ for low.
5.2.4 Press ▲ to raise the temperature and ▼ to down.
5.2.5 Press ◷ for the programming mode to set the on/off function. Keep pressing Mode button for programming if your model have no ◷

5.2.5 Sleeping Function

Keep pressing button M for 3 seconds and the sleeping icon shinning. Press ▲ to active sleeping and ▼ to escape(will continue the function without any movement).

Under the cooling + sleeping situation, the temperature will rise 1℃ more when the room temperature reach to the setting one or worked for already one hour. Eight hours later it stops work. Totally 2℃ riseing during eight hours.

Under heating+ sleeping situation, the temperature will reduce 2℃ more when the room temperature reach to the setting one or worked for already one hour. 3℃ lower after one more hour. Eight hours later it stops work. Totally 5℃ reducing during eight hours.

5.2.6 Timing Power ON/OFF

Keep pressing button **M** for 3 seconds and the sleeping icon shining. Press one more time to Timing Power ON function. Press ▲ to extend the time and ▼ to reduce. Confirm after stopping pressing for 5 seconds. Shutdown the output while timing ON works, input begins as soon as the time reaches to setting data.

Keep pressing button **M** for 3 seconds and the sleeping icon shining. Press three more times to Timing Power OFF function. Press ▲ to extend the time and ▼ to reduce. Confirm after stopping pressing for 5 seconds. Output shuts down while timing OFF works as soon as the time reaches to setting data.

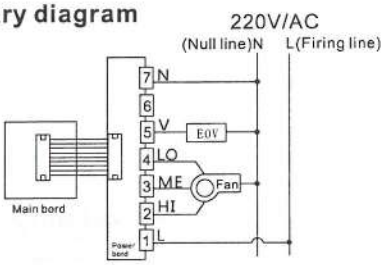
5.2.7 Button Locking

Keep pressing ▲ and ▼ for 5 seconds to beginning the locking function. LOCK displays on the right side of the screen. Only ON/OFF button works now.

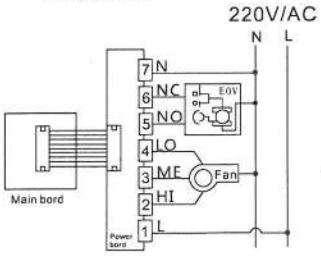
Under locking situation, pressing ▲ and ▼ to unlock.

VI.Product Installation

6.1 Elementary diagram

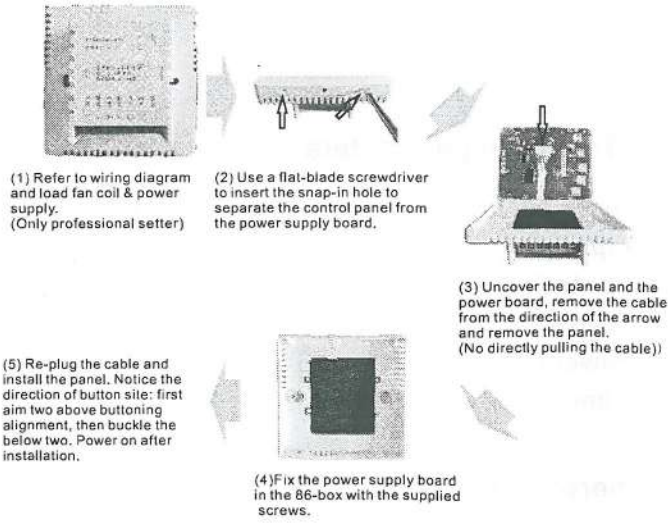


(1)Two - wire electric valve and fan coil wiring diagram



(2)Three - wire electric valve and fan coil wiring diagram

6.2 Installation diagram form



(1) Refer to wiring diagram and load fan coil & power supply. (Only professional setter)

(2) Use a flat-blade screwdriver to insert the snap-in hole to separate the control panel from the power supply board.

(3) Uncover the panel and the power board, remove the cable from the direction of the arrow and remove the panel. (No directly pulling the cable))

(4)Fix the power supply board in the 86-box with the supplied screws.

(5) Re-plug the cable and install the panel. Notice the direction of button site: first aim two above buttoning alignment, then buckle the below two. Power on after installation.

Ⅶ . Common Fault

7.1 Power-on failure: Use an electroprobe to check if the the energy is connected, whether there is a loose between the control board and power panel.

7.2 No output: Check the setting temperature and indoor one output function works when the setting tem. Lower than the indoor one during refrigeration ,and higher during heating,2℃ around. Make sure the output cable is connected and an electroprobe to test the output, debug the cause of the load.

7.3 Output works during power-off:

Output works forcibly when the room temperature is lower than -5℃ in any condition, because of the antifreeze function.

Ⅷ.Service and Support

8.1 Warranty:

Two-year warranty from the sale date, free service and repairs during the warranty rely on the invoice.

Man-made damage, exceeding the load rated power, beyond the allowable input voltage, force majeure (such as floods, lightning, etc.) and other factors are not covered within the warranty.

8.2 Installation

We don't supply installation service. Please kindly get a professional staff by yourself.