





# CE-KJR-21B/D Fan Coil Thermostat Manual

CE-KJR-21B/D thermostat is available for individual-room temperature control in residential, industrial and business premises. For controlling Fan-coil, motorized valve and Aux. heating appliance.

CE-KJR-21B/D adopt electronic controlling technology and large LCD display. The following are displayed on LCD: Working status (cooling, heating and ventilating), fan speed, room-temperature, set-temperature, clock, timer on/off. The keys on the panel are: on/off (  ), mode exchange ( M ), timer (  ), fan speed (  ) and temperature adjustment (  ).



Housing 86x86x13mm of flame-retardant ABS shell.

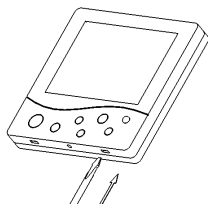
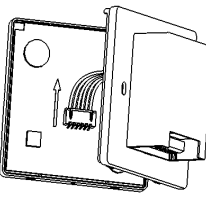
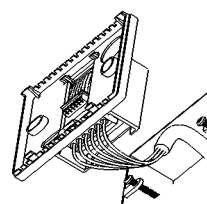
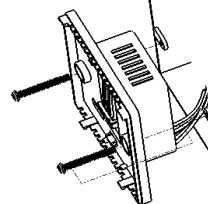
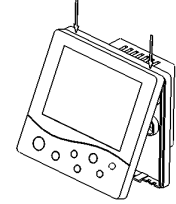
## Function:

- ★ Set room temperature
- ★ Detect and display RT
- ★ Control 3-speed fan coil automatically or manually
- ★ Control motorized valve
- ★ Electric heating
- ★ Clock
- ★ Blue backlight
- ★ Time on/off
- ★ Sleep
- ★ Remote infrared control(optional)

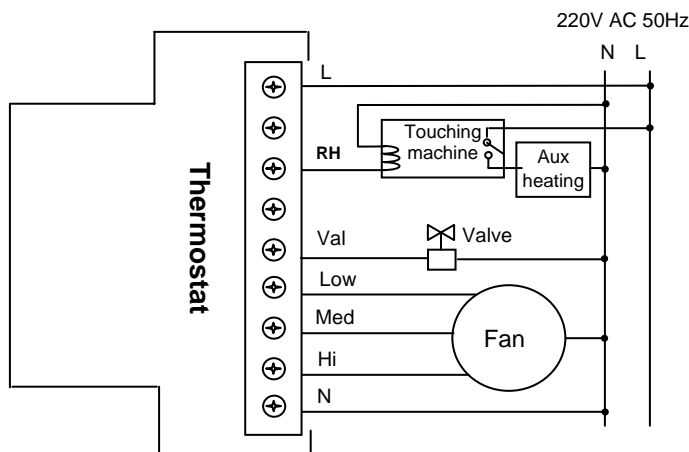
## Specifications:

- ★ Set- temperature range: 5~35℃
- ★ Temperature accuracy: ± 1℃
- ★ Current load: < 2A (1A)
- ★ Consumption: < 2W
- ★ Display: LCD
- ★ Temperature sensor: NTC
- ★ Keys: Touch key
- ★ Power voltage: AC220V ± 10%、50/60Hz
- ★ Dimension: 86 × 86 × 13 mm
- ★ Installation: 60 mm (Standard)



## Installation:



 <p>1. Open the main control panel: put the screwdriver (3.5mm) into the block 4mm along the bevel. Prize up, open the clips.</p>	 <p>2. Take off the wires.</p>	 <p>3. As per wiring diagram, connect it with terminals, fix by the screwdriver.</p>	 <p>4. Put the connected thermostat onto the back panel in the wall, then fix it with the two screws in the packing box. Install main control panel wires.</p>	 <p>5. Install main control panel wires. Put the cover with 30 degree angle, then fix the up two clips. Push the places of the two down clips, fix the cover, and finish the installation.</p>
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## Wiring Diagram:





## Operation:

☞ **On/off:** press “” to turn on , press “” again to turn off.


☞ **Set-temperature:** press “” to reduce temperature, press “” to raise temperature; each time, temperature will change 1°C.


☞ **COOL:** press “M” until it displays “” and flash, it will be confirmed automatically after 5 seconds.

☞ **HEAT:** press “M” until it displays “” and flash, it will be confirmed automatically after 5 seconds.

☞ **VENTILATION:** press “M” until it displays “” and flash, it will be confirmed automatically after 5 seconds;

☞ **Electric heating on/off:** (Only available on heating mode)


In heating mode, When the room-temperature is 2°C lower than the set-temperature, The electric heating will be on and thermostat will display “”, meanwhile valve is off automatically.

When the room-temperature is 1°C higher than the set-temperature, The electric heating will be off automatically and “” will not be displayed.

(Note: When operate the set-temperature, mode, fan speed and the on-off state per time by manual, the room-temperature is 1°C higher than the set-temperature, or when the room-temperature is the same as the set-temperature ,the Aux-heating will be open. )

☞ **Valve control:** In cooling mode, When the set-temperature is equal or 1°C higher than the room-temperature, The valve will be on; When the set-temperature is equal or 1°C lower than the room-temperature, the valve will be off.







☞ **Fan speed select:** press “” to select “ (Hi) 、 (Med) 、 (Low) 、 (Auto) ”.

In mode “ (Auto) ”, the fan-speed changed automatically. LOW-speed When the difference between room-temperature and set-temperature exceed 1°C , MED-speed When exceed 2°C , HI-speed When exceed 3°C .


When the electric heating is turned on, The LOW-speed is invalid, MED-speed when the set-temperature is lower than room-temperature, HI-speed when equal or exceed 3°C .


(When the electric heating is turned on ,the fan coil will show 60 secs when it turn off.)

## CE-KJR-21B/D Timer on/off Functions:








**Clock adjustment:** Press “” , until it the “mm” of “hh:mm” flashes, press “” or “” to adjust minutes, press “” , “hh” of “hh:mm” flashes, press “” or “” to adjust hours.








### How to enable the timer on/off function?

1,When thermostat is turned on, process the “” to set the timer on/off functions.

2,When thermostat is turned off, process “” for 3 seconds to set the timer on/off functions.

### The steps to set the timer on/off function:

☞ Time on: Press “” , until it displays “” , “TIMER ON” flashes, and “mm” of “hh:mm” flashes, press “” or “” to adjust the minutes, press “” , “hh” of “hh:mm” flashes, press “” or “” to adjust the hours.

☞ Time off:press “” , until it displays “”、 “TIMER OFF” flashes, and “mm” of “hh:mm” flashes, press “” or “” to adjust minutes, press “” , “hh” of “hh:mm” flashes, press “” or “” to adjust the hours.




Notes: If your setting is accepted by thermostat, The “TIMER ON/OFF” will be displayed on LCD.

### Cancel the time on/off function

For unused periods, set the ON and OFF time to “00.00”.

## Temperature Calibration:

When the displayed temperature is not correct:

With the thermostat in turned off, Press “M” and “” for 3 seconds. The display will show “XX” °C. Press “” or “” to adjust the temperature to the correct value. It will be confirmed after 5 seconds

## IMPORTANT!

**Read the entire installation of this Owner’s Manual thoroughly before you begin to install or operate your Thermostat.**