

T15FCT-2-RS FAN COIL THERMOSTAT

Application: Cool/Heat, 3speed fan, Room Card, External Sensor

Installation and operation instructions

SPECIFICATION:

Electrical Rating.....	100~240VAC 50/60Hz
Fan Relay Amps inductive.....	8(5)A
Heat/Cool Relay Amps inductive.....	3(2)A
Accuracy.....	±0.5°C(1 °F)
Set point Temperature Range.....	5°C to 50°C
Dimensions.....	120.9mm×82.9mm×28mm

FEATURES:

- New vertical design, crosswise installation or vertical installation
- Temperature adjustments are simple
- Display shows both set points and room temperature simultaneously
- Maintains the temperature to within 1 degree set point
- Auto fan with adjustable 3-fan speed.
- Permanent user setting retention during power loss, no batteries are required
- External sensor

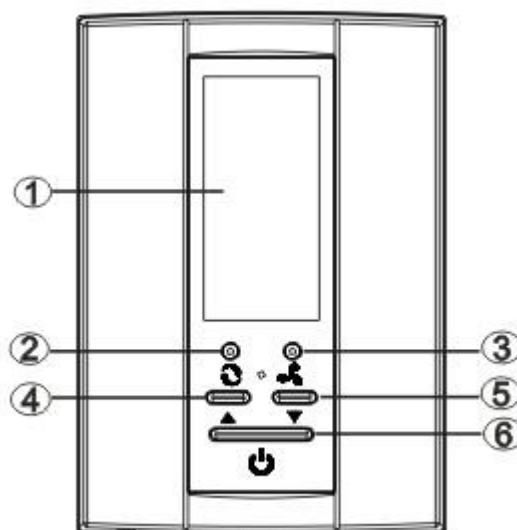
IMPORTANT SAFETY INFORMATION:

- Always turn off power at the main power source by unscrewing fuse or switching circuit breaker to the off position before installing, removing, cleaning, or servicing this thermostat.
- Read all of the information in this manual before installing this thermostat.
- Only a professional contractor should install this thermostat.
- All wiring must conform to local and national building and electrical codes and ordinances.

OPERATION

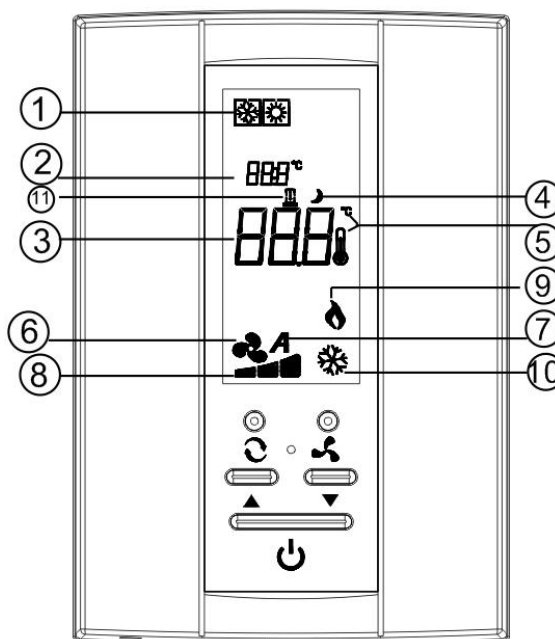
Thermostat Buttons and Switches

- ① Display area
- ② System button (COOL, HEAT)
In switch on state, long press this button for 3 seconds, can start or close sleep mode
In switch off state, long press this button for 3 seconds, can enter to menu setting
- ③ Fan speed option button (HI MED LOW AUTO)
In switch on state, long press this button for 3 seconds, will enter to switch off timer mode;
In switch off state, long press this button for 3 seconds, will enter to switch on timer mode
- ④ Raises temperature setting
- ⑤ Lowers temperature setting
- ⑥ Power button



The Display

- ① Shows working mode
- ② Shows setting temperature
- ③ Shows measure temperature
- ④ Shows sleep mode
- ⑤ Temperature unit mark
- ⑥ Shows fan speed option
- ⑦ Shows fan rotate in Auto speed
- ⑧ Shows fan speed option
- ⑨ Shows heating output
- ⑩ Shows cooling output
- ⑪ Shows room card mode

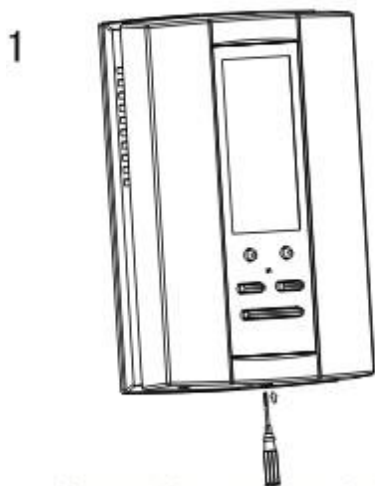


INSTALL THE THERMOSTAT

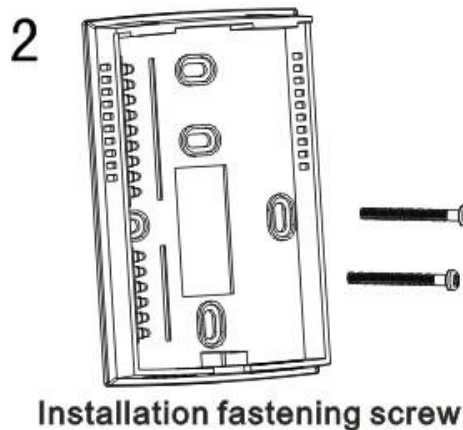
ATTACH THERMOSTAT BASE TO WALL

WARNING: ELECTRICAL SHOCK HAZARD

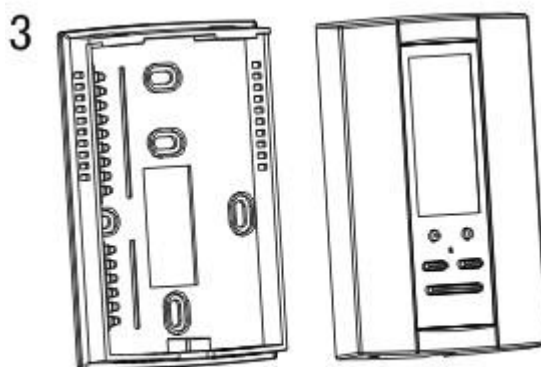
- **Turn off power at the main service panel by removing the fuse or switching the appropriate circuit breaker to the OFF position before removing the existing thermostat.**



Unscrew the screw, open the front shell



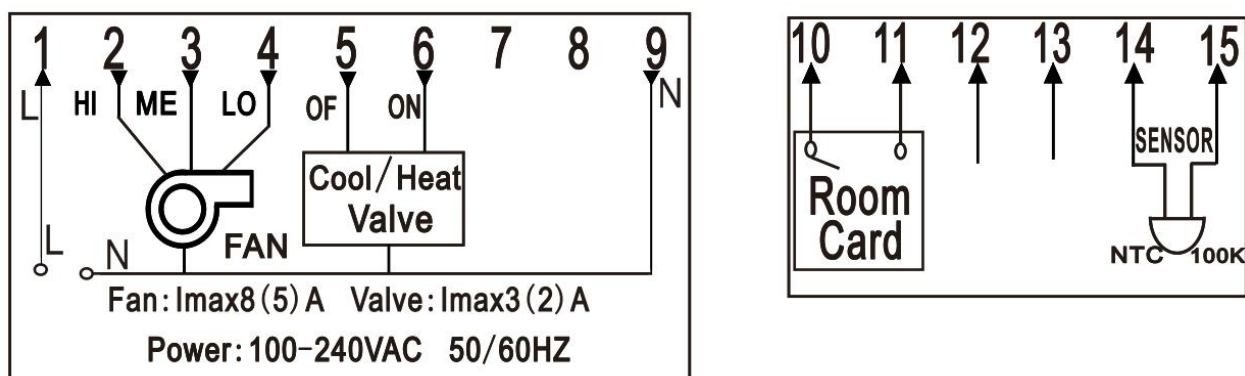
Installation fastening screw



Close to front cover

WIRING DIAGRAM

Two control wiring diagram



CONFIGURATION

The configuration menu allows you to set certain thermostat operating characteristics to your system or personal requirements. Switch off the thermostat, long press button ② over 4 seconds, till power on again means you have entered the first configuration menu item. There are 6 menu items. Press button ② to change to the next item and press button ④ or ⑤ to select.

In implicit parameter menu mode, long press button ⑥ for 3 seconds, all parameter will back to the initial value.

Step	Press buttons	Displayed (factory default)	Press ▲、▼ to select	Descriptions
1	② 4 seconds	CL (0)	-4—+4	Adjust temperature coefficient
2	②	HH (35℃)	20℃—50℃	Select maximum setting temperature for heating
3	②	HL (5℃)	5℃—20℃	Select minimum setting temperature for cooling
4	②	FC (℃)	℃/°F	Temperature unit option
5	②	bl (2)	1、2、3	Display backlight option
6	②	re (rd)	rd, rE	Memorize option before power loss
7	②	LA (On)	OFF/On	Fan stop option
8	②	CR (18℃)	10—18℃	Heating mode without room card temperature
9	②	CC (25℃)	25—30℃	Cooling mode without room card temperature
10	②	LE (SC)	SC/OC/00	Activate Room Card function mode option

1) Adjust temperature coefficient 4 LO to 4 HI

You can adjust the room temperature display up to 3 higher or lower. Your thermostat was accurately calibrated at the factory but you have the option to change the display temperature to match your previous thermostat.

2) Select maximum temperature for heating

This feature provides a maximum setpoint temperature for heat. The default setting is 35℃, It can be changed between 20℃ to 50℃.

3) Select minimum temperature for cooling

This feature provides a minimum setpoint temperature for cooling. The default setting is 5°C, It can be changed between 5°C to 20°C.

4) Select temperature unit

°C or °F, the factory default is °C

5) Display backlight mode option

1: The light will keep the light off continuously.

2: The display will be on when any button of the thermostat is touched, light off automatically after 10 seconds

3: The display will keep the light on continuously

The factory default is 2

6) Memorize switch on/off option before power loss

Using button ④ or ⑤ to select “rE” or “rd”. “rd”: The thermostat is switched on or off before power loss, after the power supply comes to normal again the thermostat will keep switch off; “rE”: The thermostat will Memorize its ON or OFF status before power loss. The factory default is “rd”

7) Fan stop option

Using button ④ or ⑤ to select “ON” or “OFF”. If you select “ON” the thermostat will turn on the fan at a speed provided by the Fan Switch and will not stop the fan when there is no call for heat or cool. If you select “OFF”, the thermostat will stop the fan when there is no call for heat or cool.

8) Select energy saving setpoint for heating

This feature allows you to set energy saving setpoint temperature for heating. The default setting is 18°C, It can be changed between 10°C to 18°C.

9) Select energy saving setpoint for cooling

This feature allows you to set energy saving setpoint temperature for cooling. The default setting is 25°C, It can be changed between 25°C to 30°C.

10) Activate Window Card function mode option

This feature allows you to select the way to activate the energy saving mode.

Select OC to activate the energy mode by open circuit.

Select SC to activate the energy mode by close circuit.

Select 00 to cancel the energy mode.

Timer switch on/off function and relay delay protection function

In switch off state, long press button  for 3 seconds, will enter into set the automatically switch on time, press button ④ or ⑤ to set the time, the time value will raise or lower 0.5; In switch on state, long press button  for 3 seconds, will enter into set the automatically switch off time, similarly press the raise button or lower button to set the time value.

In timer switch on/off mode, the setting value is the countdown value. For example: when you set the time value is 3.5 in switch on state, your thermostat will switch off automatically after three and a half hours. If the time value is 0, means you have closed the timer switch on/off function. In switch on state, if you have open the timer switch off function, the LCD will display the timer mark and the remaining time.

The thermostat also have relay delay protection.

CUSTOMER ASSISTANCE

After reading this guide, if you have any question about the operation of your thermostat, please contact your installer or Energy Utility company or service provider.