

AC3082 Heating Thermostat User Manual

1, Heating Manual Thermostat

The thermostat is designed for control of electric heating devices (Built-in sensors for measuring room temperature and external sensor for high temperature protection to prevent heating device burned due to high temperature).

2, Technical Data

Voltage: 230V AC ,50/60Hz

Load current : 3A/16A

Power consumption: <2VA

Temperature setting range: 5-40°C

Outer sensor: B=3950 10K@25°C cable length:3m

Switching differential: $\pm 1^{\circ}\text{C}$

Ambient temperature: -5-50°C

Protective housing: IP20

Housing material: anti-flammable PC

Dimensions(H/W/D): 86/86/41mm

3, Mounting Outer Sensor

Please place the casing under the floor with the outer sensor in, the terminal of which should be thickened and placed on the top of the concrete layer. Sensor cable can be extended to 50m with other cables if necessary. If multi-core cable is used as extended cable, extra core cable should not be used for power supply(e.g. power supply for heating cable)for avoiding the interference of voltage signal to the heating thermostat. If there is shielded cable in the extended cable, shielded cable should not be connected to ground but to terminal. It is recommended that the extended cable and casing should not be shared with others.

4, Mounting Location Recommended

The thermostat should be mounted on the wall with air flowing freely around.

Warning: The mounting location should not be influenced by other heat source(e.g. sunlight), air flow through doors& windows or temperature of outer wall.

5, Temperature Setting

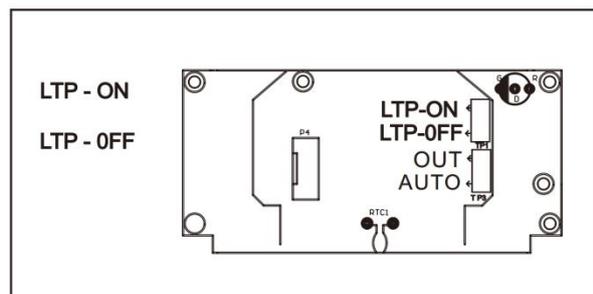
The factory default temperature control range is of $+5/40^{\circ}\text{C}$. For the first use, please set the thermostat at the highest temperature, when the room or floor temperature approaches the expected, please turn the knob back until the LED is green.

6, Turn on/off anti-frozen function (Default is off)

First release the front cover then open the thermostat panel to open the switch of anti freeze function.

In the state of shutdown, the thermostat will turn on the heating device automatically when the room temperature is below 5°C .

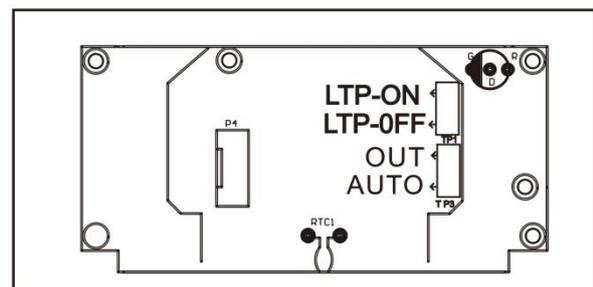
When the room temperature is above 5°C , the thermostat will turn off the heating device automatically.



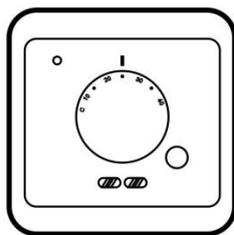
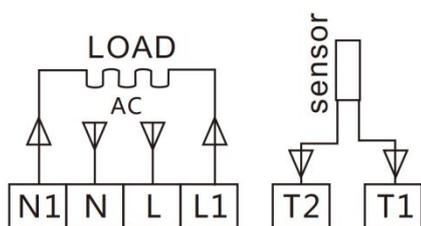
7, Sensor mode(Default is automatic mode)

External mode: As shown above put the switch to the top(OUT), connect the external sensor, the thermostat will work in the external mode.

Automatic mode: When you not connect the external sensor is built-in sensor mode. Otherwise, it's the internal mode. built-in sensor control temperature, external sensor for high temperature protection.

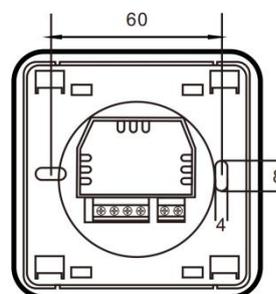
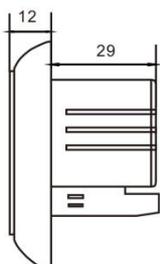
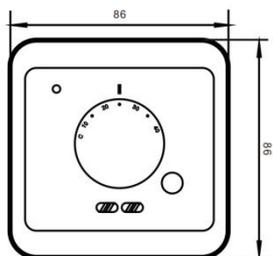


8, Wiring diagram

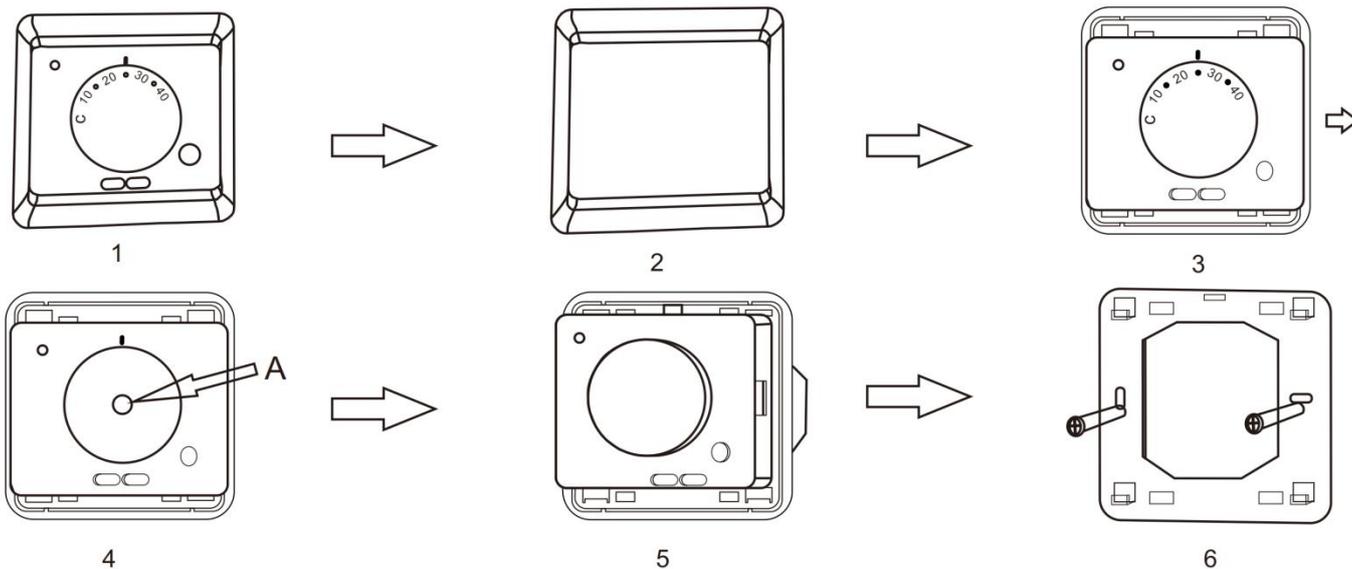


- 1.Red LED: Open electric heating devices.
- 2.Green LED: Close electric heating devices .

9, Dimension:



10, Mounting Instructions:



Warning: Please do not rotate the control knob since the factory default has been calibrated!

Mounting Instructions:

- 1.Release the front cover by inserting a screwdriver into bottom crack.
- 2.Take the back plate apart according to above diagram.
- 3.Install the thermostat in electrical connection box with screws.
- 4.Install the housing cover and lock the external frame.