

Room Thermostat



IB-TR0310

Application

IB-TR0310 Electronic Thermostat is mainly used in the control of electric heater or electric diffuser. It has an On/off switch and is suitable to use indoors. It also has a power indicator and a heater output indicator. It can be installed directly on a flush box. It is used to control room temperature by way of turning on or off of the electric heater or diffuser. It is widely used in homes, offices, schools, and shops, etc.

Specifications

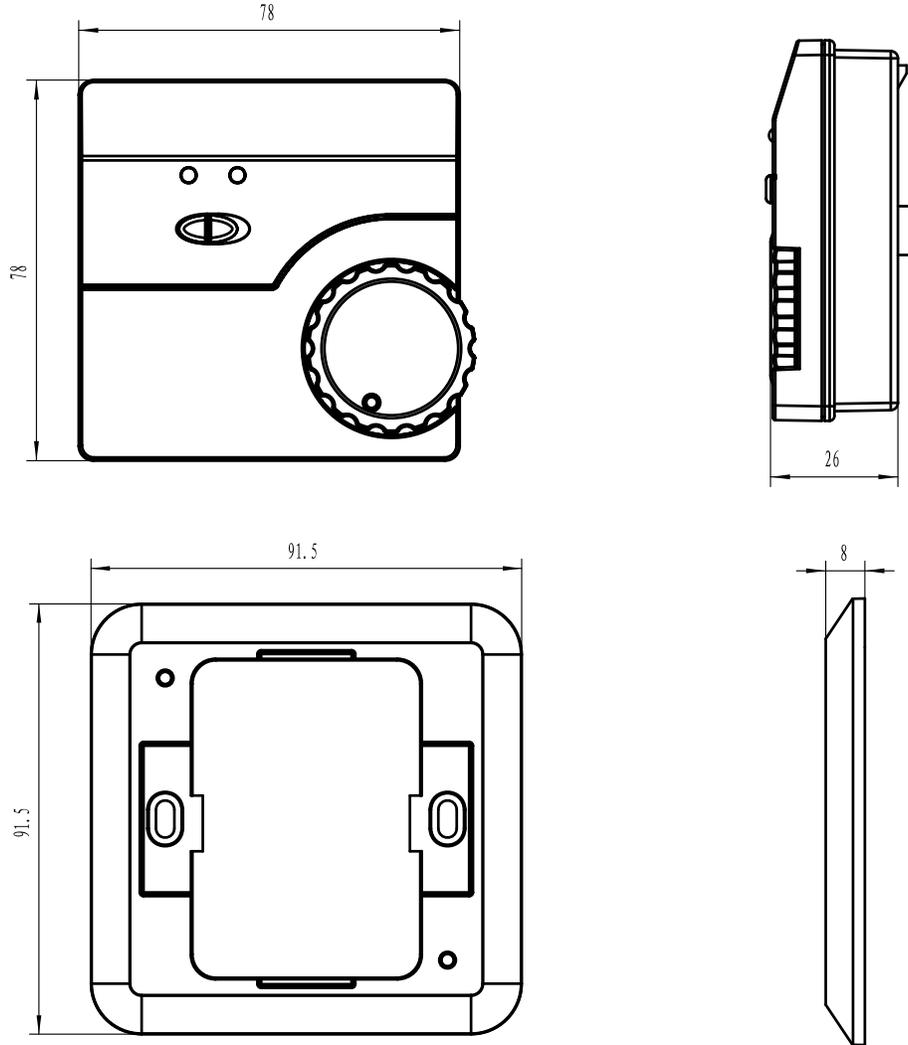
Sensing Element: NTC sensor
Supply: 230V AC
Frequency: 50/60Hz
Housing: Flame-retarding ABS
Set-Point Range: 5 ~ 30 °C (air temperature IB-TR0310A)
20 ~ 60 °C (floor temperature IB-TR0310F)
Accuracy: 2 °C
Switching current: 16A(resistive)
Max. Load: 3500W
Switching Type: SPST
Working temperature: 0°C ~ 60°C
Storage temperature: -20°C ~ 60°C

Models

IB-TR0310A is designed to control a room's ambient temperature with one temperature sensor located in the control module. The sensor detects the room temperature, and when the room temperature reaches the set-point, the heating system will be closed.

IB-TR0310F is designed to control floor heating systems. It has one floor sensor which is connected to the power base. When the floor temperature reaches the set-point, the heating system will be closed.

Dimensions



Installation Instruction

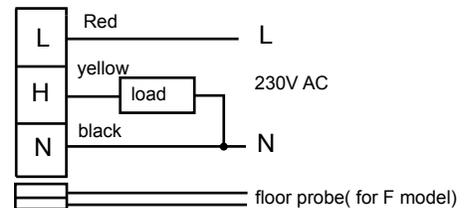
1. Slide out the IB-TR0310A unit from the panel plate. Fix the panel plate onto a power line switch box or on the wall.
2. In order to ensure the accuracy of the temperature sensor inside, there should be no blocking surrounding the unit.
3. Connect the IB-TR0310F unit with external heater as in the below diagram:



Warning!

This product should be installed by a qualified electrician.
Beware of electric Shock! Always shut down electric power before installation.

4. Slide the unit back to the panel plate. Check that the unit is firmly fixed onto the panel plate. Installation is completed.



Operation

1. Heating Control

Switch on the unit by putting the Power switch at On position. Power LED (red) turns on. Set the rotary volume at the temperature you deserve. When room temperature is lower than the set temperature, the thermostat switches on the heating device connected and at the same time, heat LED (green) turns on. When room temperature becomes higher than the set temperature, the thermostat switches off the heating device and heat LED (green) turns off.

2. Unit Off

Put the Power switch at Off position. Thermostat stops running and there is no output to the heating device connected.