USER MANUAL ET-29

WARNINGS

To avoid risk of electric shock, disconnect all power coming to heater at main service panel before installing the thermostat. Keep thermostat air vents clean and free from obstructions. All wiring must conform to local and national electrical codes and ordinances. Installation must be carried out by qualified personnel.

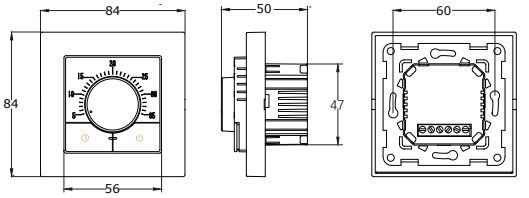
INTRODUCTION

The ET-29 thermostat is a high quality knob thermostat with a minimalist design. Precise floor temperature control, maximum load 3600W/16A. The biggest feature is the many frames with an internal size of 56*56mm, such as the Schneider Exxact.

TECHNICAL PARAMETERS

Voltage:	120~240Vac 50/60Hz
Max Load:	16A（Resistive load）
Wiring specification:	≤2.5mm²
Standby power:	< 1W
IP Class:	IP31
Floor temperature limit protection:	30°C
Temperature setting range:	5-35°C
Sensor type:	B3950 10K

DIMENSIONS



INSTALLATION

Step 1

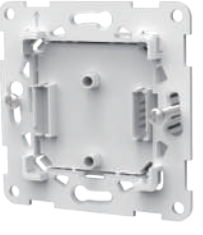
Use a flat-blade screwdriver to separate the frame and adapter from the thermostat as shown in the figure.

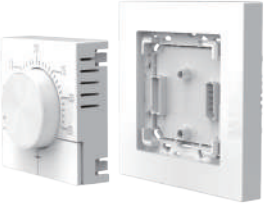
Step 2

Connect the corresponding circuit as shown in the figure.

Step 3

Use the mounting screws to fix the thermostat in the mounting box.



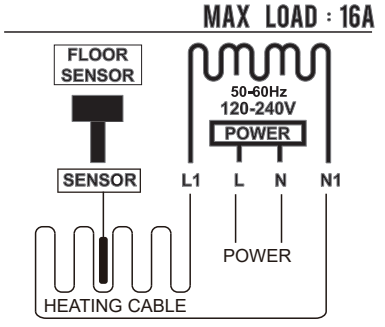


Step 4

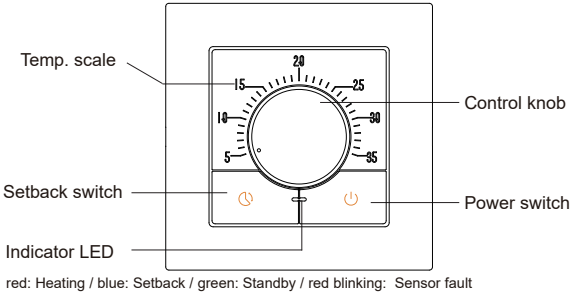
Install the frame into the thermostat.The front frame needs to be pressed slightly and hold it in place.

WIRING INSTRUCTION

L/N: Connect for power cable.
L1/N1： Connect for heating cable.
Sensor： Connect for floor sensor.
Suggestion: Please keep the max load around 90% of 16A to prolong the lifetime.



SYMBOLS



red: Heating / blue: Setback / green: Standby / red blinking: Sensor fault

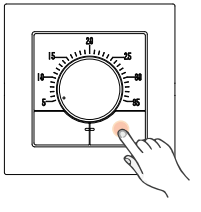
FUNCTION AND OPERATION

01

On/Off

This thermostat can switch on and off.

Setting method:
Press the switch button to turn off the indicator indicating power off.



02

Set the temperature

After the user sets the temperature, the thermostat keeps the floor temperature at the set temperature. After power off, power on again, the original set temperature will be retained and executed. Setting range of this thermostat: 5-35°C. When the indicator is red, it means that that the themostat is heating up.

03

Antifreezing function

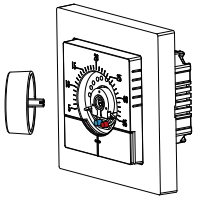
Turn the knob to the leftmost 5°C, and the floor heating will run at a low temperature, which can play a role in anti-freezing protection.

04

Mechanical adjustable temperature limit function

If you want to set the maximum and minimum temperature within an ideal range, you can manually adjust the installation position of the limit pin.

The method is as follows:

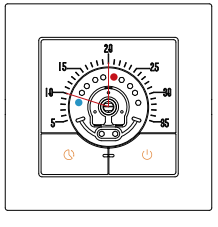


Step 1

Gently remove the knob.

Note

When the knob is pushed out, it is necessary to pay attention to the direction of the knob pointer, so that the position is correct when:it is reinstalled.

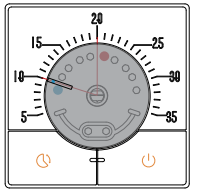


Step 2

Place the red and blue pins in the holes of the array in the figure to set the temperature range you want. For example, place the knob pointer in the range of the red and blue pins in the figure, which means that the adjustable temperature is 10-20 C.

Step 3

When installing the knob, take care to install the pointer position marked on the knob to the middle of the red and blue limit pin. In this way, the knob is limited to a range of 10-20° rotation.

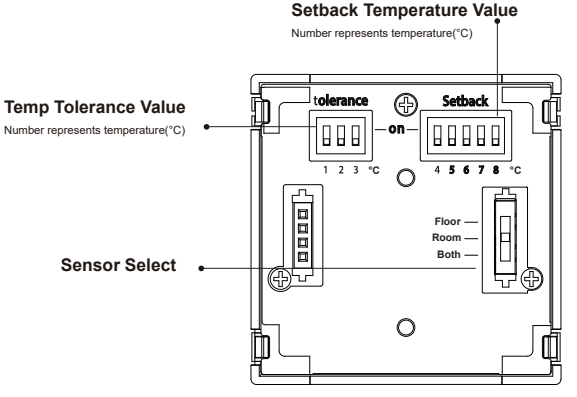


05

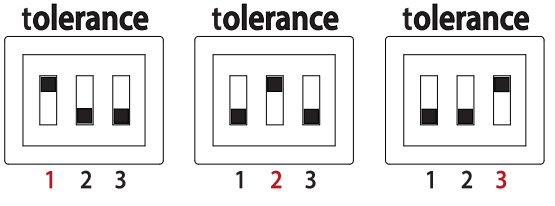
Temp tolerance

The default value is 1°C. The thermostat start to work when the actual temp is 1°C lower than set temp and stop to work when the actual temp is 1°C higher than set temp.This function prevents the relay from being frequently switched on and off.

Setting method:
This product adopts a mechanical setting method for Temp tolerance.

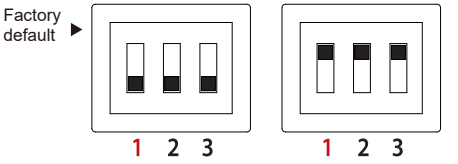


Remove the front shell.Three DIP switches are marked with temperature tolerance, setback, and sensor options respectively.The following pictures describes how to set the parameters.

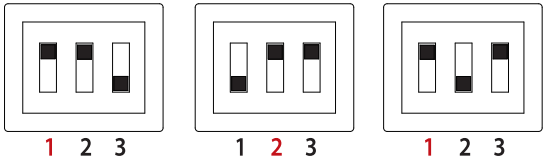


Whatever value you need to set, flip the corresponding switch to the upper "on" position.

Sometimes there are some special cases, such as the following, we have made error proof design to ensure that the Settings are valid.Case1:
When the switches is all up or all down,the setting default to 1°C



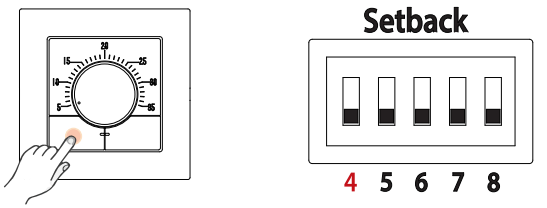
Case2:
When multiple switches are above, the minimum value is taken.



06

Setback

Press the setback button to turn on the function. The setback function is when the thermostat ‘sets back’ to a lower temperature during the off time periods. This is the most economical and efficient way to achieve the best energy consumption.The default value is 4°C.

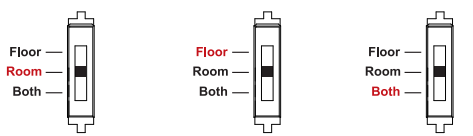


07

Sensor Select

Select a working sensor.Room sensor / Floor sensor / Both
When Both is selected, the floor sensor provides temperature limiting protection. The maximum temperature is 30°C by default.

Setting method:



Room sensor Room sensor Both