

THE INSTRUCTIONS OF THE THERMOSTAT

T11FHL-0 on/off mechanical electric floor heating thermostat

SPECIFICATION

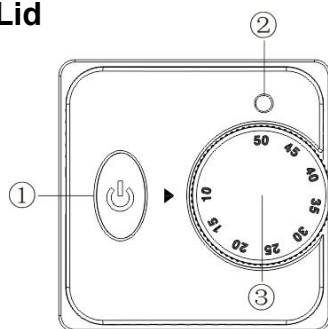
1. Working voltage: 190V~250V / 50-60Hz
2. Current load: $\leq 16A$
3. Accuracy of the temperature: $\pm 1^{\circ}C$
4. The temperature control range: $10^{\circ}C \sim 50^{\circ}C$
5. Working environment temperature: $0^{\circ}C \sim +50^{\circ}C$
6. Storage environment temperature: $-10^{\circ}C \sim +60^{\circ}C$

SAFETY INFORMATION

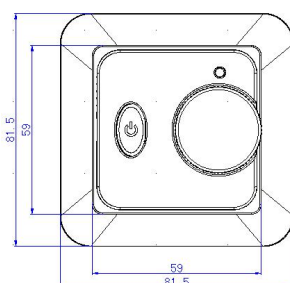
- Always turn off the thermostat external power supply before installing, removing, cleaning, or servicing this thermostat.
- Reading all of the information in this manual before installing the thermostat.
- Only allow professionals to install the thermostat.
- All wiring must conform to local and national building and electrical codes and ordinances.

APPEARANCE

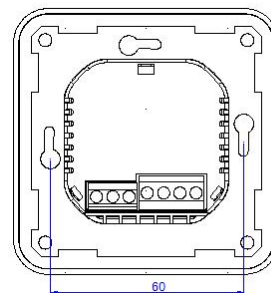
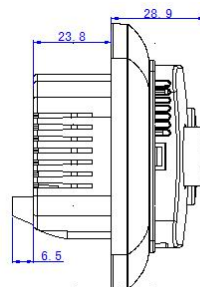
Lid



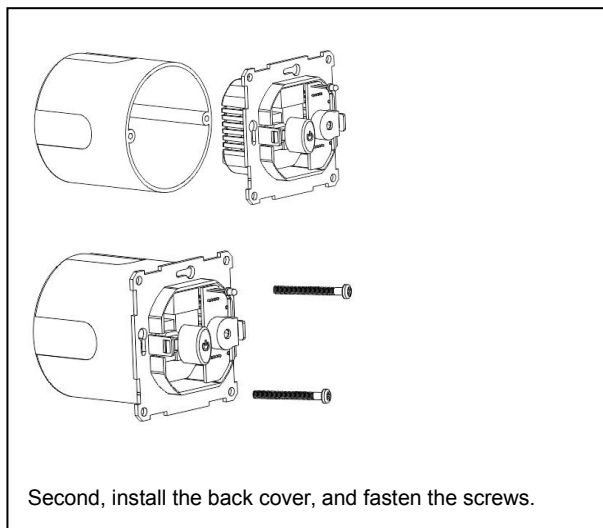
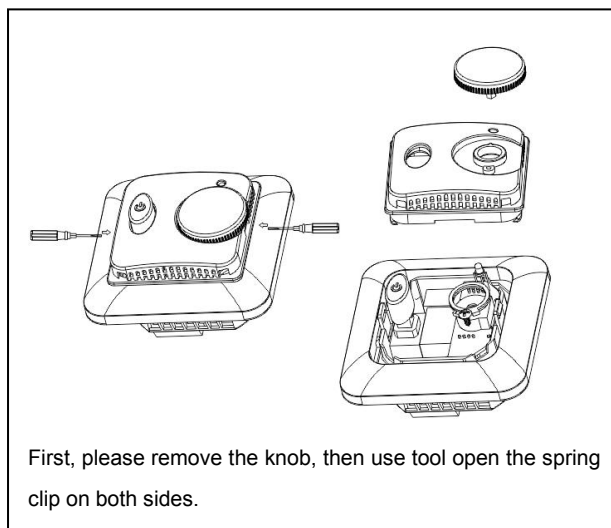
Frame

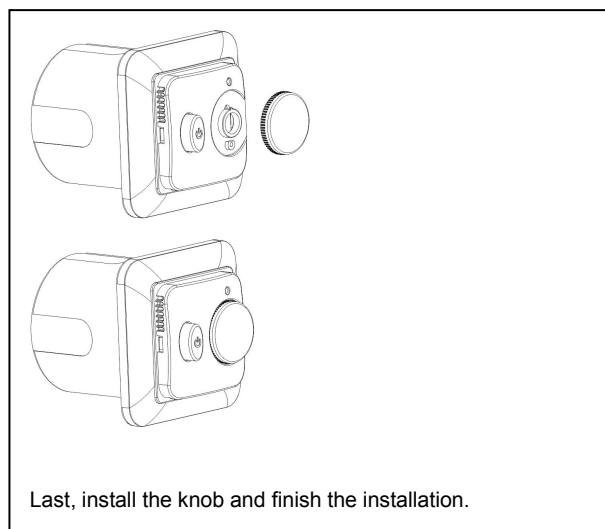
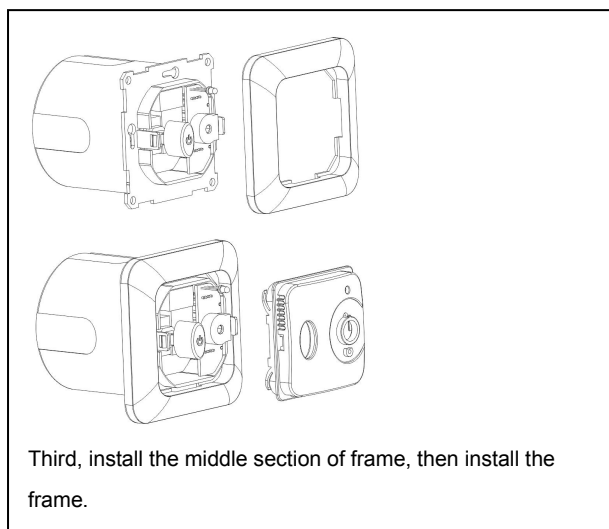


Dimensions

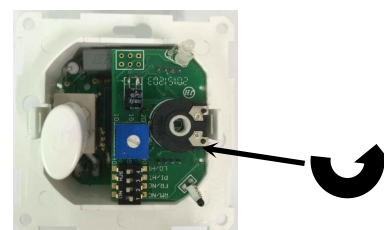


INSTALLATION





When you install the knob, please make sure Potentiometer rotation clockwise rotation to the end, Put a knob installed to the potentiometer .

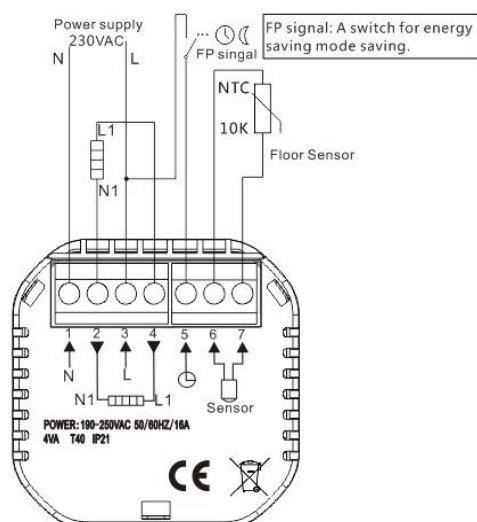


Before you install the knob, you can set the high/low temperature limitation.

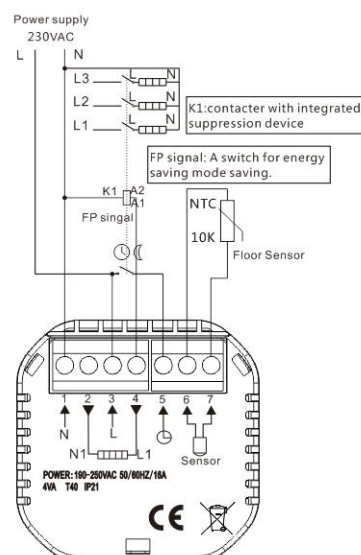


Wiring Diagram

Direct, connection – one heating cable



Connection via contactor e.g. – 3 heating cables



NOTE: The maximum relay load of the thermostat is 16A , in order to guarantee the life time of the thermostat , normally , we suggest to use not over 14A . Otherwise it will shorten the life time of the electric components .

User instruction

1. Light indicator:

Red light: When heating output, it shows red light. *When the red light flashing, it indicated the floor sensor is not be installed correctly or damaged.*

Room thermostat with floor limitation or floor mode: When the external floor sensor short circuit or open circuit, the red light flashing, and stop the output.

Green light: When external signal input (such as FP function, when the grid signal input set temperature reduce 5°C), it shows green light.

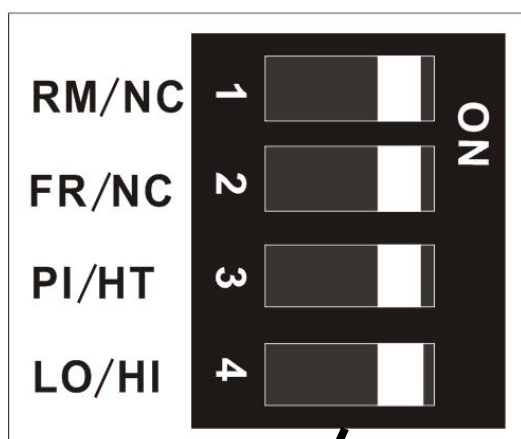
Appears the clock signal, it was set temperature reduce 5°C.

Yellow light: Warning function. (When the external FP signal and heating output indicate at the same time.)

2. User setting by dialing code in thermostat :

When operated the user setting by dialing code, please open thermostat as installation indication.

Factory default as follow figures:

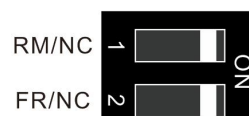
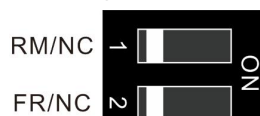


Instruction:

1. Dual sensor mode:

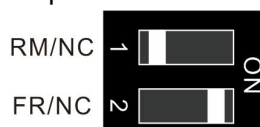
Room temperature control with floor temperature limitation.

(Any way is ok as below) when floor temperature reach limitation, stopping heat output.



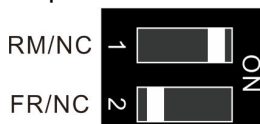
2. Only Room temperature control mode (note code 4 RM/BC position)

When room temperature above setting temperature, stopping heat output.



3. Only Floor temperature control mode (note code 3 FR/NC position)

When floor temperature above setting temperature, stopping heat output.



4. Timing output (PI) or constant temperature on/off output (HT)

PI/HT  PI output

PI/HT  HT output

PI Output will open 0-10min in every 12 min according to your settings. When scale turns to 10, output will be closed; when scale turns to 50, output will open 10 min in every 12 min. Scale increase 4 means output open time increase 1min.

HT Constant temperature on/off output between -1°C to 1°C .
On/off heat output frequently.

5. Low temperature limitation or High temperature limitation

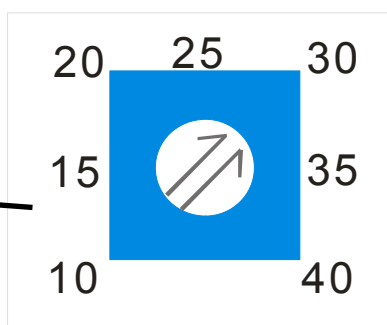
LO/HI  LO limitation

LO/HI  High limitation

LO: Choose this when load is lower than 10A

HI: Choose this when load is between 10A to 16A

The thermostat actual setting range is $10 \sim 40^{\circ}\text{C}$ in this code setting. We suggested use high temperature limitation for protecting floor. Our factory default is 40°C to protect wood floor. User selection please ask professionals to set in thermostat before installation.



CUSTOMER ASSISTANCE

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