

Programming heating thermostat with LCD screen, which has manual mode and clock-controlled programme mode. The thermostat is recommended for the control of electric heating device or on/off valve actuator in hydronic underfloor heating.

Selection Table:

Model	Current	Application
	16A	Built-in&floor sensor,floor limit sensor

Parameter:

Voltage:220V/230V

Power consumption:2W

Setting range:10~55℃(can adjust to 5-90℃)

External limitation:5...60℃ (factory setting 35℃)

Switch differential:0.5-10℃ adjustable
factory setting±1℃

Ambient temperature:-5~50℃

Protective housing:IP20



Housing material: anti-flammable PC

User operation:








1)ON/OFF and Mode choosing

Slide the power switch to  for energy saving mode, to  for clock program mode, to  for Off .

2)Modify the set temperature value




Press key to  increase the set value, and press  key to decrease, every step is 0.5℃.





3)Clock set

Press the  &  key in Off mode and switch on at same time. Press the  &  key to set the hour when hour start blinking. Press manu  key to change the minute set. Press the  &  key to set the minute when minute start blinking.






Then switch off and re-open  again, the clock set finished.

4)Programming

Press the manu  key for 5 seconds to enter the clock program when switch on. Programmed 24-event time by press UP  and DOWN  key:

 key is for comfortable (high temperature)  Key is for energy saving (low temperature), press  key to enter next event when in high temperature state, Press  key to enter next event when in low temperature state.

Press  key to enter comfort temperature (hi-temp)


setting, press  &  key to modify the set value, Re-press  key to enter energy saving temperature (low-temp), press  &  key to modify the set value. Switch off and re-switch on or no operate for ten seconds will quit programming set, then enter normal working display.



Sensor Failure



E0: Built-in sensor short-circuited or disconnected.
E1: External sensor short-circuited or disconnected.
When shows E0/E1 error, thermostat must be checked till the error is eliminated.



Advanced setting



(qualified person preferred):



Usually finished when thermostat is mounting. Press  key simultaneously switching on the thermostat to enter advanced setting.





 1ADJ: Temperature calibration
Press + or – key to adjust present checked value
Adjustable scale: ± 9.9℃
Re-press  key to enter next advanced setting step



 2SEN: Sensor mode
Press + or – key to choose sensor working mode
IN: built-in, OUT: floor sensor, ALL: both sensors
Floor sensor is the limit sensor
Re-press  key to enter next advanced setting step



 3LIT: Limit value modify
Press + or – key to modify the temp. limit value
Limitation range: 5~60℃
Re-press  key to enter next advanced setting step



 4DIF: switch differential setting
Press + or – key to change switch differential
Setting range: 0.5~10℃.
Re-press  key to enter next advanced setting step

 5LTP: Start anti-frozen function in power off.
Press + or – key to change the present anti-frozen state.
Re-press  key to enter next advanced setting step

 6RLE: Potential-free output and main power output in same/different way.
Press  or  key to change the present linkage state
00: in same way, 01: in different way.
Re-press  key to enter next advanced setting step. 02: in Primary and secondary reverse. 03: in Main and auxiliary reverse, do not turn off and antifreeze, to stop output.

 7DLY: delay time of potential-free output
Press + or – key to change linkage delay time, range: 0-5min.
Re-press  key to enter next advanced setting step

 8HIT: Max. Temperature setting
Press + or – key to change the Max. value, range: 35-90℃
Re-press  key to enter next advanced setting step

 9FAC: Reset to factory setting
Press + key for 5 seconds till display reset to factory setting
Re-press  key to enter next advanced setting step

Slide to power off for saving, then quit the advanced setting

Display symbols:

Manu

ON/OFF

Anti-frozen function

Manual mode

Clock controlled mode

24-event symbol

24-event state

Key-lock

Room temperature

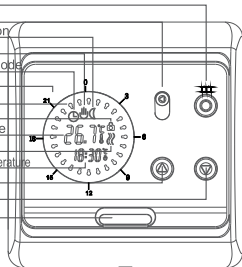
On heating

Present time/set temperature

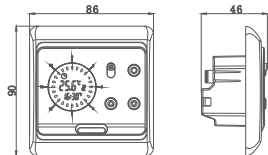
Increase key

Decrease key

Room sensor

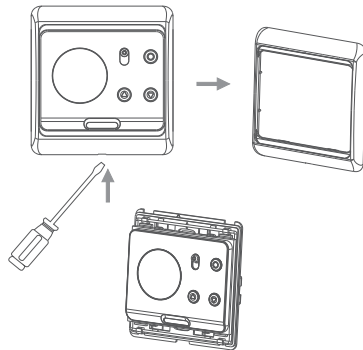


Dimension:mm

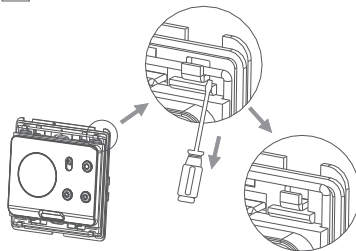


Mounting step:

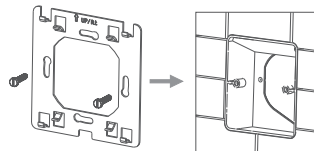
- 1 Release the front cover by inserting a screwdriver into bottom crack.



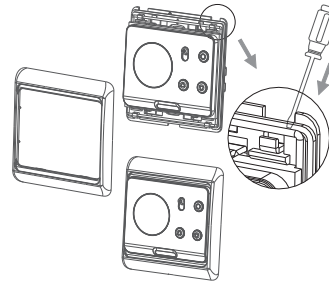
- 2 Take the backing plate apart according to the following diagram.



- 3 Mounted the backing plate in the wall socket by screwdriver.



- 4 After connect wires(see right diagram),the thermostat is mounted on the backing plate and remounted the cover and frame.



Connecting Diagram

Attention:

The thermostat which connect the electric heating device is apply to full load(3200W) heating cable in 2500m height above sea level, and the rated power of external load should be less than or equal to 80% rated power of thermostat when in the 2500m to 4200m height.

