

Weekly circulation digital programming thermostat with LCD screen, which has 6-event everyday. Manual mode and programme mode could be selected. The thermostat is recommended for control of electric heating devices or on/off valve actuator used in hydronic floor heating.

Selection Table:

Model	Current	Application
SK50.13	3A	Built-in&floor sensor, floor limit sensor weekly programme
SK50.23	3A	Built-in&floor sensor, floor limit sensor weekly programme, a potential-free output
SK50	16A	Built-in&floor sensor, floor limit sensor weekly programme

Parameter:

Voltage: 220V/230V

Power consumption: 2W

Setting range: 5~90°C (can adjust to 35-90°C)

Limitation setting: 5...60°C
(Factory setting: 35°C)

Switch differential: 0.5-10°C adjustable
factory setting 1°C

Ambient temperature: -5~50°C

Protective housing: IP20

Housing material: anti-flammable PC

User operation:

- 1) On/Off: "⏻"
- 2) At clock-controlled programme mode, press "▲" or "▼" enter to temporary control.
- 3) UP "▲", DOWN "▼" to adjust the temperature value.
- 4) Press menu "📖" & UP "▲" for 5 seconds, then enter clock set, choose modified item by pressing menu "📖", press UP/DOWN "▲▼" to modify the date and clock, then switch off to quit.
- 5) Press menu "📖" to choose manual mode or programme mode.
- 6) Set temperature and clock display alternately, room temperature can be read out directly.
- 7) Press both "▲" "▼" for five seconds to engage/disengage key-lock function key-lock shows "🔒"
("🔒" this symbol disappeared that shows unlock)

Function:

- Manual mode
- Clock-controlled programme mode
- Heating on
- Wake-up, event 1
- Leave(am), event 2
- Return(am), event 3
- Leave(pm), event 4
- Return(pm), event 5
- Sleep, event 6

Programming:

Press Menu key for 5 seconds to start programming

Key	Event	Symbol	Time	Modify	Temp.	Modify
	Day 1-5		06: 00	Event Time	20°C	Temp.
			08: 00		15°C	
			11: 30		15°C	
			12: 30		15°C	
			17: 00		22°C	
			22: 00		15°C	
Day 6-7	1		08: 00	22°C		
			23: 00	15°C		

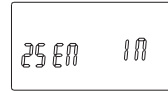
Advanced setting(qualified person preferred):

Usually finished at mounting thermostat.

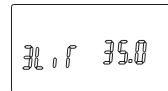
Press key simultaneously press power on key when in power off.



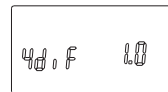
1ADJ: Temperature calibration
Press + or - key to adjust present checked value, adjustable scale: 9.9°C.
Re-press menu key to enter to next step.



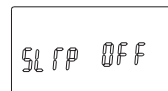
2SEN: Sensor mode
Press + or - key to choose sensor working mode
IN: built-in, OUT: floor sensor,
ALL: both sensors, floor sensor is the limit sensor
Re-press menu key to enter to next step.



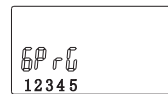
3LIT: Modify limitation value
Press + or - key to modify the temp.
Limit value limitation range: 5~60°C
Re-press menu key to enter to next step.



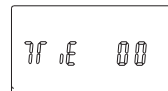
4DIF: Switch differential setting
Press + or - key to change switch differential
Setting range: 0.5~10°C.
Re-press menu key to enter to next step.



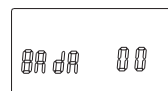
5LTP: Start anti-frozen function in power off
Press + or - key to change the present anti-frozen function
Re-press menu key to enter to next step.



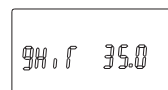
6PRG: Set day off mode
Press + or - to choose day off
5/2 day mode, 6/1 day mode, 7 day mode
Re-press menu key to enter to next step.



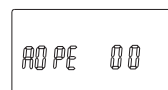
7TIE: Start ahead time of the adaptive function
Press + or - key to change the time of start ahead.
Start ahead time range: 0-30 minutes.
Default 0.



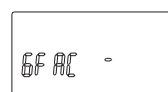
8ADA: The adaptive function
Press + or - key to choose this function "ON"/"OFF". 00: OFF, 01: ON.
Default 00.



9HIT: Max. Temperature setting
Press + or - key to change the Max. value
Range: 20-60°C
Re-press menu key to enter to next step.



10OPE: Open windows function
Press + or - key to choose this function "ON"/"OFF". 00: OFF, 01: ON.
Default 00.

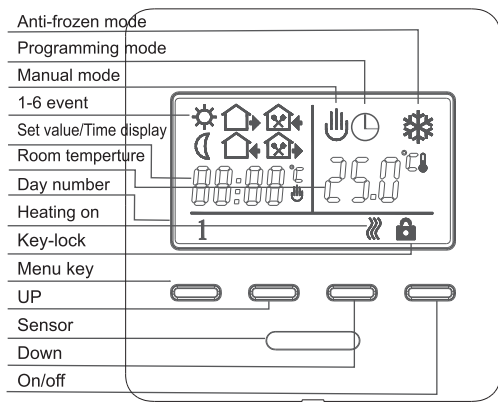


6FAC: Reset to factory setting
Press + key for 5 seconds till showing ---
Reset to factory setting
Switch off for saving setting

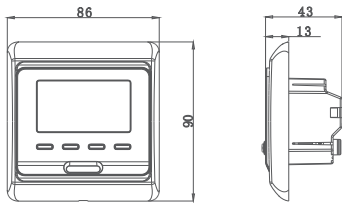
Sensor Failure

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

Display symbols

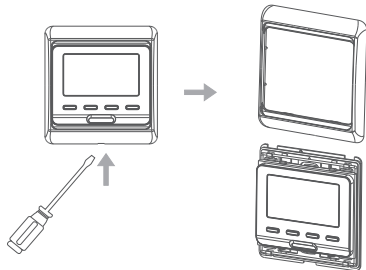


Dimension:mm

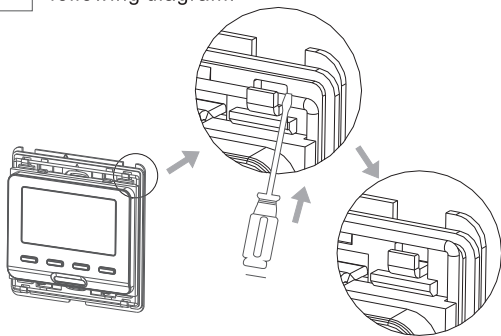


Mounting steps:

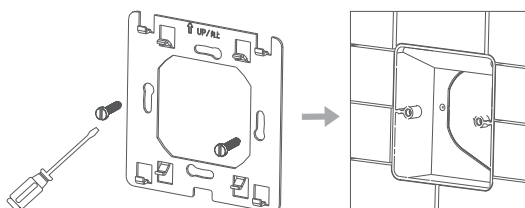
1 Release the front cover by inserting a screwdriver into bottom crack.



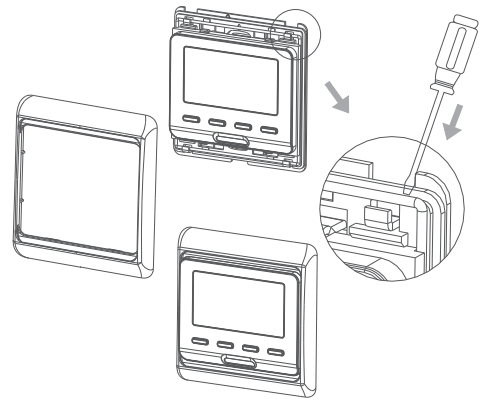
2 Take the backing plate apart according to the following diagram.



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



4 After connect wires(see right diagram),the thermostat mounte 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 thermostat when in the 2500m to 4200m height.

