

**Touch Screen Period Programming Thermostat**

Touch Screen Period Programming Thermostat Weekly circulation, it is possible to set 6 periods called events each day with corresponding pre-set temperatures, also you can select "period control mode" or "manual mode" according to your individual requirements. The thermostat is recommended for the control of electric heating devices or on/off valve actuator used in water-based heating systems.

**Selection Table:**

Model	Current	Application
M9.713	3A	For control of electric actuator or electrothermal actuator
M9.723	3A	For control of electric actuator or electrothermal actuator
M9.716	16A	For control of electric actuator or electrothermal actuator, a potential -free output

**Technical data:**

Voltage: AC230V 50~60Hz  
 Power consumption: 2VA  
 Setting range: 5°C...90°C  
 Limitation range: 5°C...60°C (factory setting:35°C)  
 Accuracy of temperature measurement: 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) Power key "⏻"  
 You can turn on/off the thermostat by pressing this key. Also you can confirm and exit by pressing "↵" when you have completed the setting of every parameter.
- 2) The increase key "▲" and the decrease key "▼"  
 In the period control mode or comfort mode, when you press the increase/decrease key once, alternate display stops in the bottom right region and the value of the pre-set temperature will increase/decrease 1°C. It will recover the alternate display with no operation for 3 seconds.
- 3) Time setting key "⌚"  
 You can adjust the time and week by pressing the key once. If it is pressed, the hour bit flashes. Then you can press "▲" and "▼" to change its value. When you complete the setting of hour bit, you can press this key to confirm and continue the setting of minute bit and week bit sequentially. After the completion of time, you can press "↵" to confirm and exit.
- 4) Mode selection key "M"  
 You can select period control mode or comfort mode by pressing the key. If you press this key and hold for 3 seconds, you can enter the mode of period programming.
- 5) Locking "🔒" and unlocking  
 When you press "▲" and "▼" at the same time and hold for 3 seconds, the thermostat will be locked/unlocked. When it is locked, no operation can be carried out until it is unlocked.

**Display symbols:**

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

**Programming: 6-event time and temperature**

Press the "📖" key for 5 seconds to begin programming

Key	Event	Symbol	Time	▲ ▼	Default value	▲ ▼	
	Day 1-5	1		06:00	Set the start/end	20°C	Set programmed
		2		08:00		15°C	
		3		11:30		15°C	
		4		12:30		15°C	

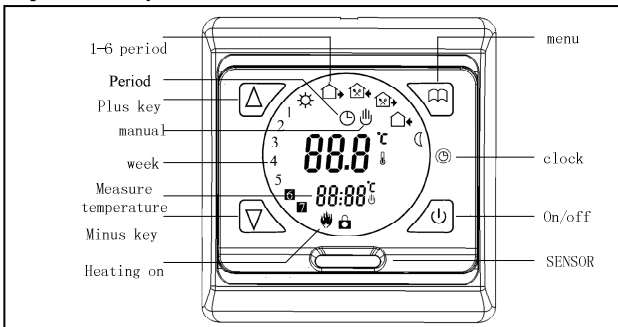
	Day 6-7	5		17:00	22°C
		6		22:00	15°C
		1		08:00	22°C
		2		23:00	15°C

**Advanced setting (qualified person preferred)**

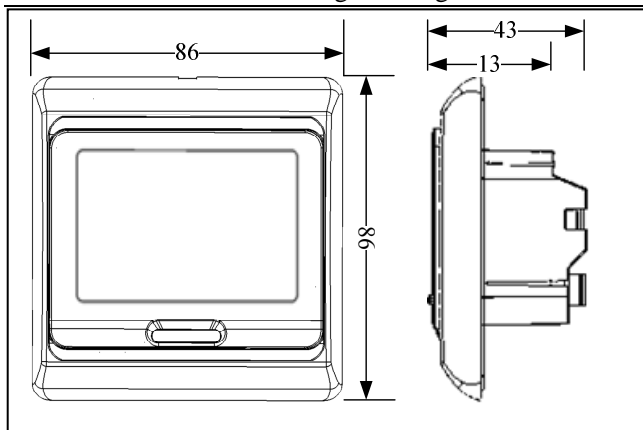
You can press "M" and "⌚" and hold for 5 seconds at the same time to enter the mode of advanced setting. When the thermostat is turned off. The following seven function can be chosen by pressing "M".

Symbol	Setting	▲ or ▼
1	ADJ	Temperature calibration Adjust measured temperature
2	SEN	Sensor mode IN: built-in sensor OUT: floor sensor ALL: both sensors (floor sensor is the limit sensor)
3	LIT	Limitation temperature Adjust limitation value, Limitation range:5°C~90°C
4	DIF	Switching differential Adjust switching differential
5	LTP	Antifreeze function Turn on/off Anti-frozen function
6	PRG	Set vacation mode 2: 5/2 day mode 1: 6/1 day mode 0: 7 day mode
7	RLE	Potential-free output 00: in same way 01: in different way
8	DLY	Potential-free output delay Change the delay time
9	HIT	Max. Temperature Max. Limitation temperature setpoint (99°C)
	AFAC	Reset to factory settings Programming parameters will be reset to factory settings when symbol "- -" appears

**Explanation of symbols**

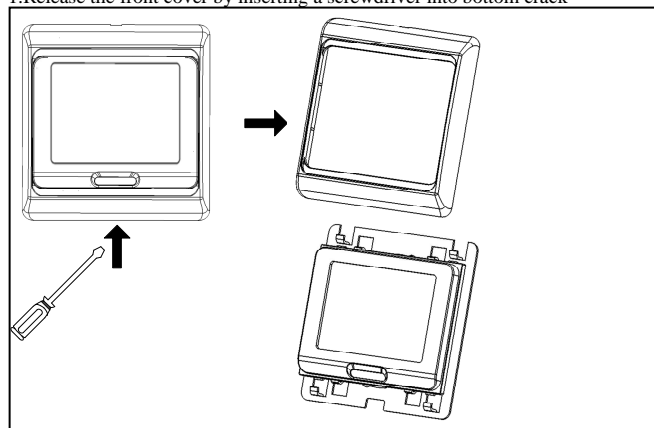


Dimension: (mm)

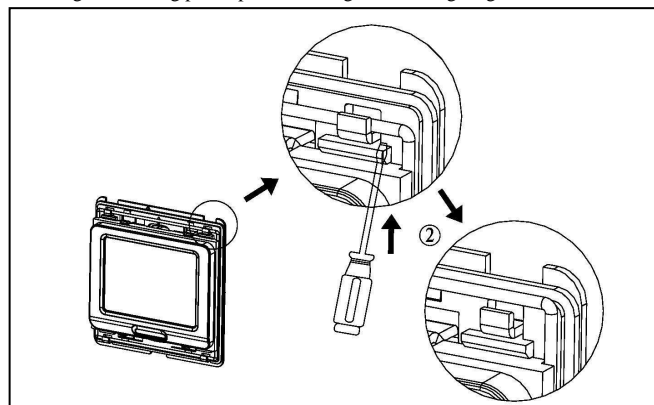


**Mounting steps:**

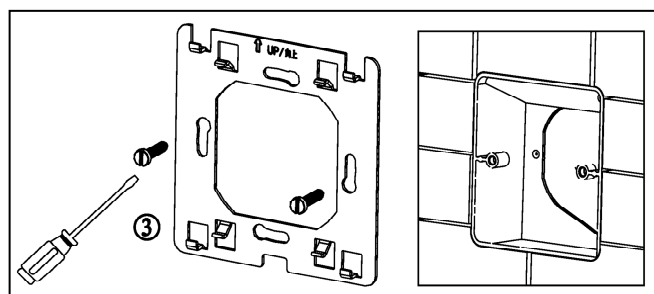
1. Release the front cover by inserting a screwdriver into bottom crack



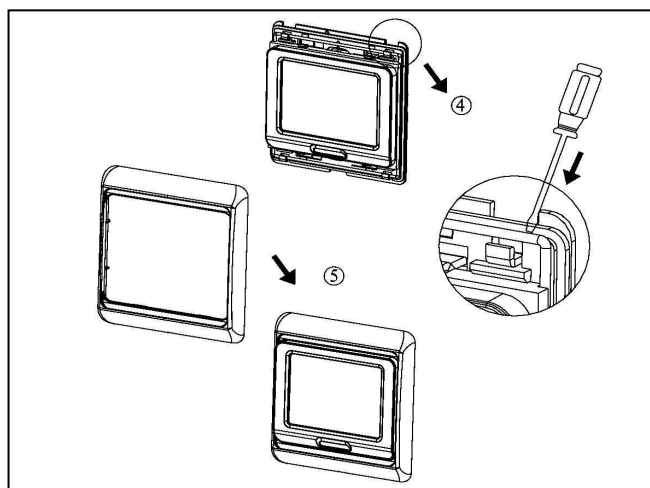
2. Taking the backing plate apart according to following diagram



3. Install the thermostat in electrical connection box with screws



4. Install the housing cover and lock the external frame



**Connecting Diagram**

