



Version: V4(08/2023)
71.04.00280

Colorful screen capacitive touch LCD smart thermostat

- ✓ Can be individually tailored to personal routines - up to 6 heating events can be set separately.
- ✓ Color VA screen (vertical alignment technology)- greater sense of science and technology.
- ✓ Intelligent weather display - support multiple weather display, can view weather information at any time. (WiFi version only)
- ✓ Set temperature can be specified precisely and intuitive (by 0.5°C).
- ✓ Capacitive touch button - provide a friendly interactive way.

Parameter

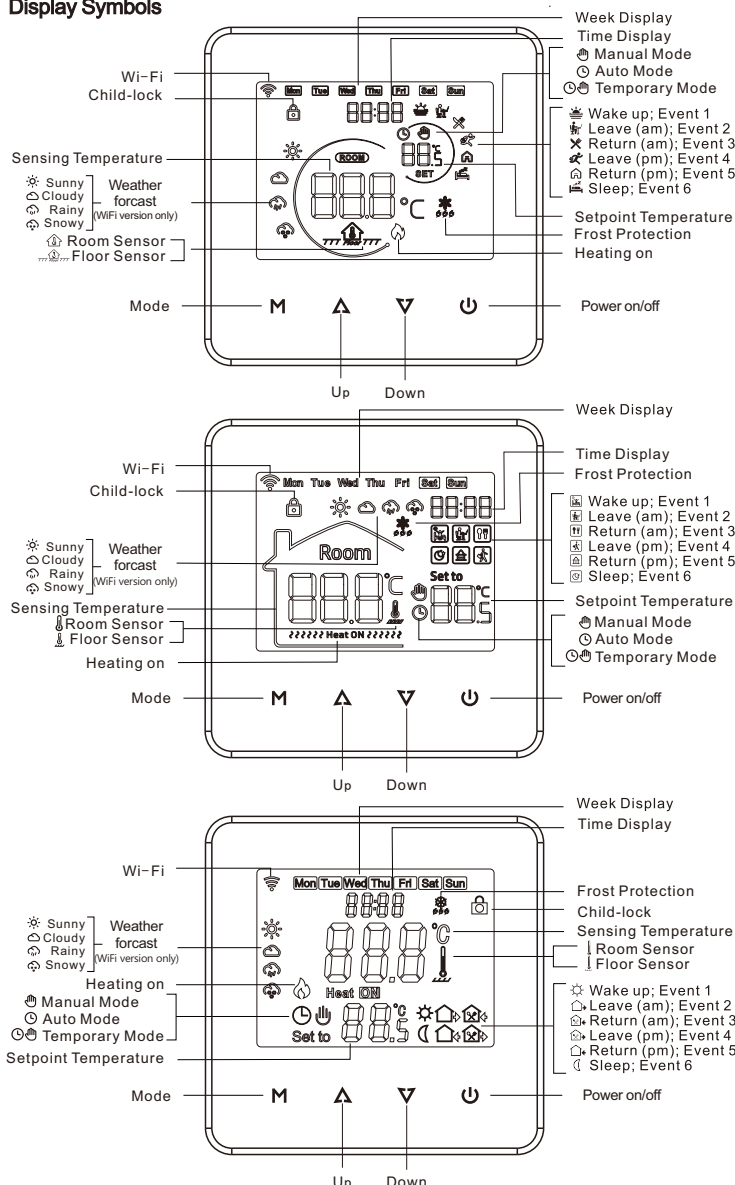
Supply voltage	AC100~240V; 50/60Hz
Power consumption	1W Max (Wi-Fi version 1.5W Max)
Temp. setting range	5~95°C
Floor limited range	5~60°C
Temp. Dif.	0.5~10°C, Factory setting $\pm 1^\circ\text{C}$
Ambient temperature	-5~50°C
Protection level	IP20
Shell material	Anti-Flammable PC

Product Overview

This series of thermostats are designed to meet the different scenarios of floor heating application. Wi-Fi version supports remote control including smart phone control and voice control. Thanks to built-in temperature sensors and auto-mode setting, the desired temperature can be comfortably adjusted. With the device you can conveniently regulate the room temperature.

Version	Model	Application
Floor heating	716	Floor limit sensor + Weekly programming
	703	ANC/NO dual-output + Weekly programming
	723	Weekly programming+Potential-free output

Display Symbols



User Operation

Power on/off

Press “⏻” shortly to turn on/off the thermostat.

Time setting

Press “M” + “Δ” for 3 seconds to set time. Choose modified item by pressing “M”, press “Δ” or “∇” to modify the date and clock, finally press “⏻” to quit.

Temperature setting

Press “Δ” or “∇” shortly to change setting temperature by 0.5°C.

Child-lock

Press “Δ” + “∇” for 3 seconds to activate child-lock. When it locks, you can't do any operations.

Temperature Control Mode

Press “M” shortly to switch manual/auto mode. Press “Δ” or “∇” shortly to enter temporary mode at auto mode.

- Manual Mode:** Thermostat works based on manually-set temperature, disconnecting from auto mode.
- Auto Mode:** Weekly programming, up to 6 heating events can be set per day. Heating events, weekdays and temperature can be separately customized based on personal routines.
- Temporary Mode:** Thermostat works based on manually-set temperature temporarily and then shifts back to auto mode till next event.

Auto-mode setting

Press “M” for 3 seconds to edit Auto-mode setting. Choose modified item by pressing “M”, press “Δ” or “∇” to modify the date, clock and temperature, finally press “⏻” to quit.

Events	Symbols	Time		Temperature	
		Default value	Modify	Default value	Modify
Weekdays	1	06:00	Press “Δ” or “∇”	20°C	Press “Δ” or “∇”
	2	08:00		15°C	
	3	11:30		15°C	
	4	12:30		15°C	
	5	17:00		22°C	
	6	22:00		15°C	
Weekends	1	08:00		20°C	
	2	22:00		15°C	

Network setting

Press “M” for 3 seconds to enter Network setting during power off. (WiFi version only)

Video support

Scan the corresponding QR code according to your needs to obtain the content.

Operation Video



Mounting Video



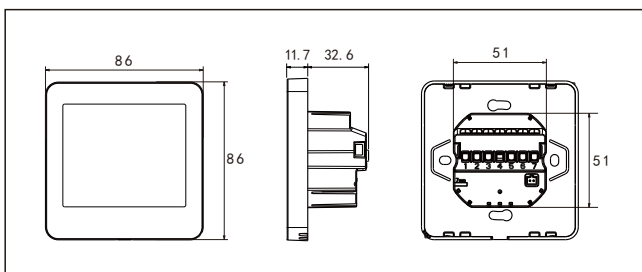
Network Video



Advanced Setting (Usually for Professional Technicians)

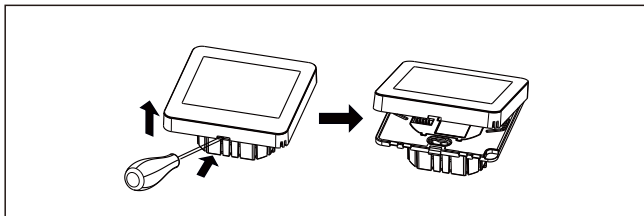
During power-off, press "M" + "⏻" shortly to enter advanced setting mode, then re-press "M" to switch to next mode. Press "⏻" to save and exit advanced setting mode.

Code	Meaning	“Δ” or “▽”	Default Value	Floor Heating		
				716	703	723
1ADJ	Temp. calibration	-9.9~9.9°C	0°C	✓	✓	✓
2SEN	Sensor selection	IN: Controlled by built-in sensor OUT: Limited by floor sensor ALL: Controlled by built-in sensor and limited by floor sensor	IN	✓	✓	×
3LIT	Floor limited Value	5~60°C	35°C	✓	✓	×
4DIF	Temp. Dif.	0.5~10°C	±1°C	✓	✓	✓
5LTP	Frost protection	ON: frost protection on OFF: frost protection off	OFF	✓	✓	✓
6PRG	Weekly programming setting	12345: 5/2 week mode 123456: 6/1 week mode 1234567: 7/0 week mode	12345	✓	✓	✓
8DLY	Delay time of outputs	0~5min	0	×	×	✓
9HIT	Temp. upper limit	5~95°C	50°C	✓	✓	✓
AFAC	Reset	Press “Δ” for 3 seconds to reset	/	✓	✓	✓

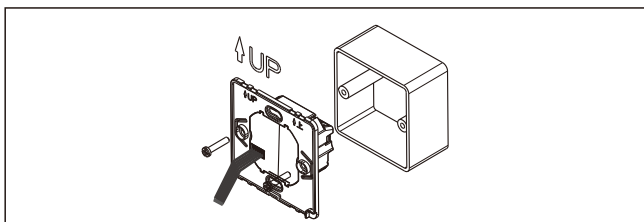
Dimensions (Unit: mm)**Mounting Steps**

The thermostat adopt pre-guide and limited snap-fit design. It is easy to mount.

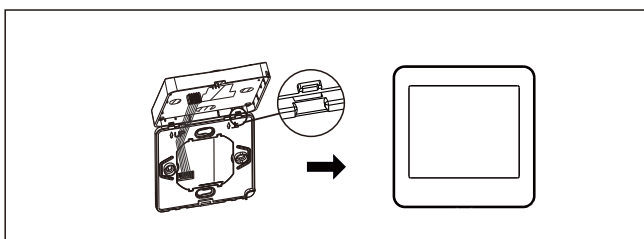
- 1) Release front cover by inserting a head screw-driver into bottom crack.



- 2) Insert the wires and then fix these wires with screws. Suggested wire-stripping length is 7-9mm.
- 3) Mount backing plate into wall-cassette, put screws and then fix thermostat. Make sure that the thermostat is fixed without deformation. Suggested torque is 0.2~0.4N.m (2.0~4. 1kgf.cm).



- 4) Re-mount the front cover via snap-fit connection.

**Sensor failure**

Please select work mode of sensors correctly. When it shows **Er0**/**Er1** error, thermostat will stay power-off till the error is eliminated. **Er0**: built-in sensor is short-circuited or disconnected. **Er1**: floor sensor is short-circuited or disconnected.

Connecting Diagram

The thermostat operates in full capacity in areas with the altitude of less than 2500m above sea level. Power rating of external load should be less than or equal to 80% rated power of the thermostat in areas with altitude of 2500m to 4200m.

