E81 Intelligent Thermostat with Mirror Surface
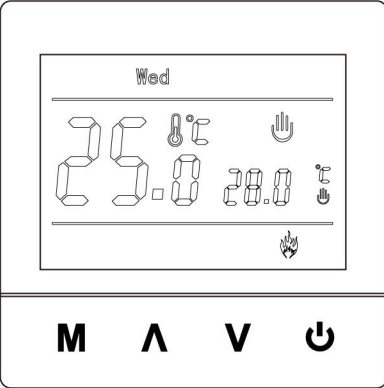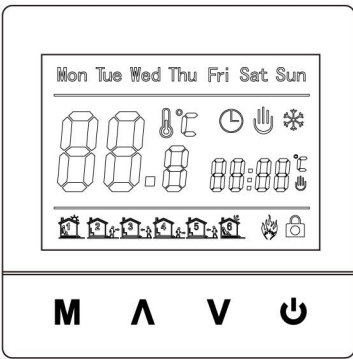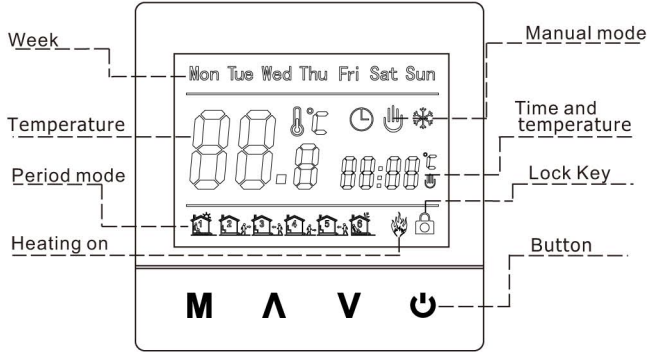
Application

E81 Intelligent digital thermostat , is a suitable for sub room temperature control and household room temperature control in floor heating systems, through comparing the environment temperature and setting temperature to control the operation of the floor heating system and fulfill comfortable temperature and energy saving.

The ME615 thermostat used microcomputer control technology , with large LCD screen, elegant design , easyto use ,and the thermostat has manual automatic function , programmable function and memory function.

① V1

②

Flag Description:

- Week
- Temperature
- Period mode
- Heating on
- Manual mode
- Time and temperature
- Lock Key
- Button

③

User Operation

☺ Power key：Touch the On / Off key to turn the system on or off.

M Mode key：You can select "period control mode" or "manual mode" by this key.

ΛV Up / Down key：Touch the Up and Down keys to set the temperature and adjust system parameters.And press Up and Down simultaneously and hold for 5 seconds to enter lock key function.

🔥 Manual mode: Set the temperature manually by this key.

🕐 Automatic mode：Adjust to the automatic mode, the thermostat will work cyclically by week programming.

🕐🖐 Temporary manual mode: The temperature can be setted manually to the temporary manual mode in programming mode.

④

Programming: 6 –event time and temperature

Touch the mode key and power key at the same time to enter the programming mode. Touch the Mode key to switch the time period.

Key	Day1~5		Key	Day6~7	
	Time	Default value		Time	Default value
☀	6：00	20℃			
☀	8：00	15℃	☀	8：00	22℃
☀	11：30	15℃			
☀	12：30	15℃			
☀	17：00	22℃	☀	23：00	15℃
☀	22：00	15℃			

⑤

Advanced setting (qualified person preferred)

Touch mode key and Up key simultaneously and hold for 5 seconds to enter the mode of advanced setting immediately when thermostat is turned off. The following ten functions can be chosen by mode key. And then touch the on/off key to exit and save the advanced settings.

Symbol		Setting	▲ or ▼
01	ADJ	Temperaturecalibration	Adjust measuredtemperature
02	SEN	Sensor mode	IN: built-in sensor OUT: floor sensor ALL: both sensor
03	LIT	Limitationtemperature	Adjust limitation value, limitation range:5-60℃
04	DIF	Switching differential	Adjust switching differential
05	LTP	Anti-frozen function	Turn on/off Anti-frozen function
06	PRG	Kinds of periods of time mode	5+2 day mode 6+1 day mode 7 day mode
07	RLE	Potential –free output and main power output in the same/different way	Change the present linkage way
08	DLY	Delay time of potential-free output	Change linkage delay time
09	HIT	Max . temperature	Max. limitation temperature setpoint: 95℃
10	AFAC	Reset to factory setting	Touch " ▲ " key and hold for 5s then all parameters will be reset.

Technical data

1. Temperature sensor : NTC　　2. Temperature accuracy : ±1℃

3. Screen : LCD　　4. Power consumption : <1W

5. Key : Touch key　　6. Temperature setting : 5-60℃

7. Load current : 3A/16A　　8. Voltage: AC230V   60Hz

9. Electrical appliance standards：GB14536 .1-2008

⑥

Mounting steps

1.Connect the power supply box according to the wiring diagram

2.Pull the end of the button to pull out the panel

3.Secure the mounting plate to the 86 box with screws

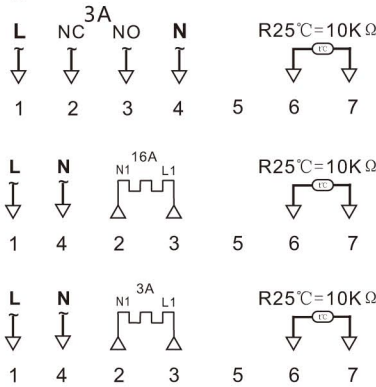4.Fix the control board to the powerboard at the angle of 30．

⑦ ⑧

Common failure handling

Failure	Handling
Crash	1.Check the power supply wiring is correct or not . 2.Check the power key .
LCD display garbled	1.The shell is deformed after installation,can be reinstalled.
Display normal No output	1. Check whether the wiring between the MPU and the power board is damaged. 2.Check whether the null line of live line is connected wrong.
Remote failure	Check if the remote control battery has enough power,if not replace the battery.
Temperature display error	Adjust the panel temperature display by the first option in the Advanced tab.
Sensor failure	Check the sensor for damage Er0: Built-in sensor disconnected or fault with it. Er1: External sensor disconnected or fault with it.

⑨

Wiring diagram

3A
L NC NO N   R25℃=10KΩ
1   2   3   4   5   6   7

16A
L   N   N1 L1   R25℃=10KΩ
1   4   2   3   5   6   7

3A
L   N   N1 L1   R25℃=10KΩ
1   4   2   3   5   6   7

Note: As this product is part of the circuit in high voltage, must be installed by professionals.

⑩