

Digital Heating Thermostat User Manual



User Manual

Many thanks for your selection of our products and services, and also for your trust and support to us.

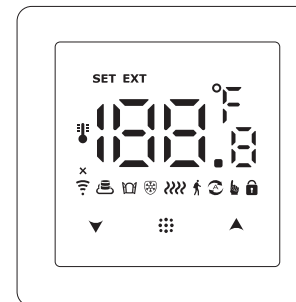
Features

- (A) Including built-in sensor and external sensor
- (B) 0.5°C accuracy keeps temperature within the level you set.
- (C) Children lock to prevent misoperation by children
- (D) Data memory when power is off.
- (E) The temperature of external sensor can be checked

Product Specifications

Power: 90-240Vac 50/60HZ
 Sensor: NTC(10k)1%
 Current: 3A(WW); 16A(WE)
 Set temperature range 1~70°C
 Default set temperature range: 5~35°C
 Accuracy: ±0.5°C
 External sensor: options (NTC)

Displays



Description of icon

- Room temperature **EXT** External temperature **SET** Set temperature
- Child lock Antifreeze On heating
- Manual mode Blinking, activate window function
- Cooling mode, this icon is always displayed when switching to cooling mode and flashes when the cooling load is output

Operation key

NO	symbols	represent
A		Turn on/off thermostat . Power off state ,short press to turn on; Power on state ,long press to Turn off ;
B		Power off state ,long press to set advance options
C		Decrease key; Long press to unlock/locked;
D		Increase key ; long press to check temperature of external sensor

Advance option

Turn off thermostat, long press "3x3 grid" + "▲" to enter advance option. Short press "3x3 grid" to choose item, short press "▲" or "▼" to change the value.

NO	Items	Parameter	Default
1	Measure Temperature Calibration	-9+9°C	-1
2	Temperature return difference	0.5-2.5°C 05: 0.5°C 10: 1.0°C 15: 1.5°C 20: 2.0°C 25: 2.5°C	1°C

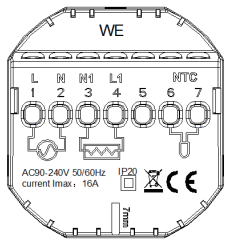
3	External sensor return difference	1~9°C	2
4	Choose sensor	N1: inner sensor (high temperature protection closed) N2: external sensor (high temperature protection closed) N3: inner sensor for temperature controlling, external sensor for high temperature protection	N1
5	Child lock	0: half lock; 1: full lock	0
6	High temperature protection	1: 20°C-70°C 2: less than 20°C, display [-] , mean closed this function	45
7	Low temperature protection	1: 1°C-10°C 2: more than 10°C, display [-] , mean closed this function	5
8	The lowest setting temperature	1-10	5
9	The highest setting temperature	20-70	35
A	Descaling function	0: closed 1: open	0
B	Power with memory function	0: Power with memory function 1: Off state after connecting with power 2: On state after connecting with power	0
C	Standby display	0: display nothing 1: Display temperature 2: Display temperature bright	2
D	Reset	Long press "3x3 grid" until whole display	

E	Window function triggers temperature	5-25°C, setting temperature is 5°C, decrease it, will display [-] , then canceled this function
F	Window function running time	5-60min
H	Heating/Cooling mode	0: heating 1: cooling

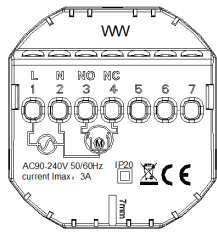
Return difference: limit valve of external sensor is 45°C for factory default (6), value of external sensor control return difference (3) is 2. when temperature rise to 45°C, then relay stop working and will remind high temperature protection alarm. If temperature decline to 43°C relay continue to work and alarm will be relieved. (it can be operated ,only when indoor temperature is lower than setting temperature)

Sensor fault display: please choose correct working way of built-in and external sensor, if choose wrongly or sensor fault (breakdown), "E1" or "E2" will be displayed on the screen. Thermostat will stop heating until the fault is eliminated

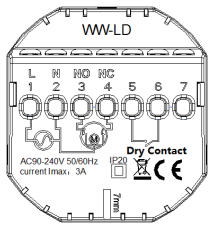
Wiring



WE
electrical heating



WW
water heating



WW-LD
boiler heating and water heating

Wiring and installation instructions

