

Warm-on Thermostat TS100 touch

En



User Manual

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

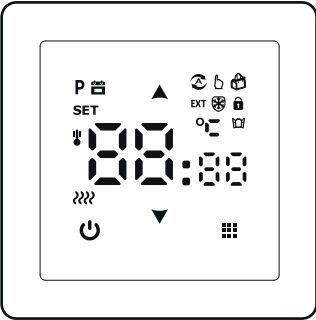
Features

- (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) Holiday mode make you enjoy more comfortable temperature in holiday
- (F) The temperature of external sensor can be checked

Product Specifications

Power: 90-240VAC 50/60Hz
Sensor: NTC(10kΩ)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)
Size: 55*55mm (without frame) 82*82mm (frame)

Display icon



- P Program
- Antifreeze
- Temporary manual mode
- On heating
- Cooling mode, this icon is always displayed when switching to cooling mode and flashes when the cooling load is output
- week and time
- Auto mode
- Manual mode
- Holiday mode
- Activate window function
- Child lock

Operation key

NO	symbols	represent
A		Turn on/off thermostat ; Power on state ,short press to display time; Long press to turn off
B		Short press to choose manual or auto mode On holiday mode, short press into manual mode Power on state ,long press to program or set time or set holiday mode. On setting interface, short press to confirm Power off state, long press to set advance options
C		Decrease key; Long press to unlock/locked; Short press to display setting temperature
D		Increase key ; long press to check temperature of external sensor On auto mode, short press "▲" or "▼" into temporary manual mode

Setting time

Turn on thermostat, long press "⋮" to enter setting interface, short press "▲" or "▼" to choose 01, then short press "⋮" to set time, next press "⋮" to choose hour, minute and week, short press "▲" or "▼" to change the value. After finished, press "⌚" or wait 10 minutes to exit.

Programmable

Turn on thermostat, long press "⋮" to enter setting interface, short press "▲" or "▼" to choose 02, then short press "⋮" to program, short press "⋮" to choose hour ,minute and temperature, short press "▲" or "▼" to change the value. After finished, press "⌚" or wait 10 minutes to exit.

P1	P2	P3	P4	P5	P6
Wake up	Out door	Back home	Out door	Back home	Sleep
6: 00 20°C	8: 00 15°C	11: 30 15°C	13: 30 15°C	17: 00 15°C	22: 00 15°C

Holiday mode

Turn on thermostat, long press "⋮" to enter setting interface, short press "▲" or "▼" to choose 03, then short press "⋮" to enter, short press "⋮" to choose days and temperature, short press "▲" or "▼" to change the value. After finished, press "⌚" or wait 10 minutes to exit.

Advance option

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

NO	Items	Parameter	Default
1	Measure Temperature Calibration	-9-+9°C	-1°C
2	Temperature return difference	0.5-2.5°C	1°C

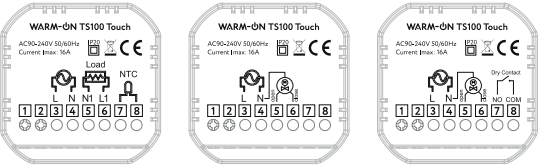
3	External sensor control return difference	1~9°C	2
4	Choose sensor	N1: inner sensor (high temperature protection closed) N2: external sensor (high temperature protection closed) N3: inner sensor for temperature controlling, external sensor for high temperature protection	N1
5	Child lock	0: half lock; 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°C	5
9	The highest setting temperature	20-70°C	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	Programmable	0: 5+2 Days regime; 1: 6+1 Days regime; 2: 7 Days regime	0
D	Standby display	0: Shut down screen 1: Low screen light brightness 2: Semi-bright screen light brightness	2

E	Reset	Long press "⋮" until whole display	
F	Window function triggers temperature	5-25°C, setting temperature is 5°C, decrease it, will display 【--】 , then canceled this function	--
H	Window function running time	5-60 min	15
L	Heating/Cooling mode	0: heating 1: cooling	0

Return difference: limit valve of external sensor is 45°C for factory default (A6), value of external sensor control return difference (A3) 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 (break down), "E1" or "E2" will be displayed on the screen. Thermostat will stop heating until the fault is eliminated

Wiring

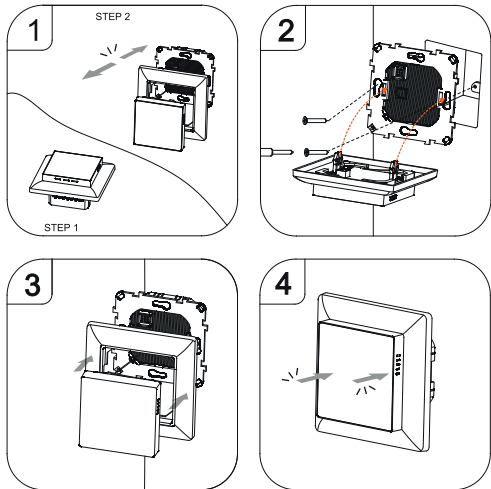


WE
electrical heating

WW
water heating

WW-LD
boiler heating and
water heating

Wiring and installation instructions



Step 1. Separate the display panel and frame from the power supply mounting plate.
Step 2. Secure the power supply mounting plate with screws.
Step 3. Secure the frame to the power supply mounting plate.
Step 4. Align the display panel clips with the holes on the power supply mounting plate and press in. Once you hear a click, secure it in place.

Safety information

1. To prevent the thermostat display from a high fluctuation, special treatment has been made to the program. Therefore, it is normal that the thermostat cannot immediately display the sudden change of temperature.
2. The thermostat installed on 1.5 m above the ground.
3. For the thermostat installed, please take care not to install it to the wall corner, door / window side or behind the door or in such unheated area as exterior wall. Avoid hot / cold air duct, radiator, flue or thermal pipe
4. When install the power supply, make sure that the power cable is well insulated.
5. Don't open the internal circuit board.
6. The thermostat design for the standard 75x75x35 mm wall mount box installed. Follow the instructions to open the rear cover base, mount it on the wall and wire it.
7. Before installing the thermostat, make sure that the system is disconnected. The maximum voltage of the system shall meet the requirements specified in the Instruction Manual (Max. AC Voltage: 250V).

Warranty

The manufacturer guarantees the conformity of the product with the design description, and the compliance with the assembly and operating instructions.
Warranty period: 2 years from the date of purchase.
If a defect occurs within the warranty period, which is due to inappropriate manufacture, the customer has the right to subsequent performance. Damage due to improper handling, manipulation by third party, incorrect installation (inobservance of handling instructions) or consecutive damages, are excluded from the warranty.
Please keep your proof of purchase. Warranty services will only be provided upon presentation of this document.

Conformity

The following declarations confirm, that the thermostat reference "Warm-on Thermostat TS100 touch" is compliant with
https://warm-on.com/media/DoC_TS100.pdf
Radio equipment directive (RED) 2014/53/EU
EU RoHS 2 Directive 2011/65/EU
WEEE directive 2012/19/EU

Disposal

Disposal regulations acc. to European Directive 2012/19/EU:
Defective electrical units never dispose in household waste! In case of malor non-function, those need to be disposed separately. Please require public discharge point from your urban administration or district authority.
Only this will guarantee proper recycling and environment protection.
Reason for special marking of the equipment.



Dispose the equipment correctly sorted. Cardboard and paper in wastepaper reuse, plastic foils in plastic recycling.



Releasing of toxic liquids or gases into atmosphere is forbidden!



No disposal of electrical devices in consumer waste. Use specific collection points. Please require public discharge point from your urban administration or district authority. In case of disposal in dumps or burrows, danger develops by leaking of hazardous substances into groundwater, returning into food chain, and endangering your health.

Weee-Reg.-Nr/Weee Reg. No: DE14335428

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