

Warm-on Thermostat TS300 WiFi Touch

En



User Manual

Thank you for choosing our product and services. We appreciate your trust and support.

To get started, search for "Smart Life" on Google Play or the App Store to download the WiFi app.

Turn on the thermostat, then press and hold the keys "⋮" and "🕒" simultaneously to activate the WiFi configuration mode

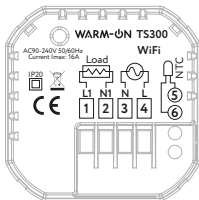
Features

- Built-in and external sensors included
- 0.5°C accuracy ensures precise temperature control
- Child lock to prevent unintended operation
- Data memory retained in the event of power failure
- Holiday mode for comfortable temperature settings while away
- External sensor temperature display available

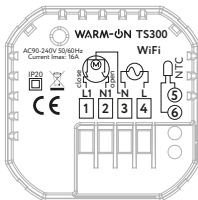
Product Specifications

Power:	90-240VAC 50/60Hz
Temperature Display Range:	1~70°C
Display Accuracy:	±0.5°C
Insulating Condition:	Suitable for normal environment
Sensor Type:	NTC(10kΩ)±1%
Programming Cycle:	7-day weekly programming
Contact Capacity:	3A (WW); 16A (WE)
Output:	Relay switch
Temperature Limit Range:	1~70°C
Installation:	Flush mount (in-wall)
Temperature Adjustment Range:	5~35°C
Dimensions (mm):	86×86×27

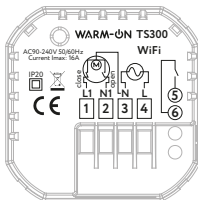
Wiring Diagram



Electric Heating Wiring Diagram



Water Heating Wiring Diagram
Do not connect terminal "close 4"
of the electric valve

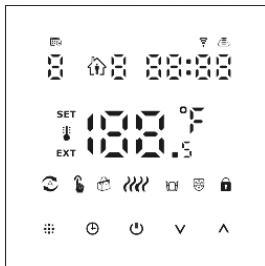


For **water heating and gas wall-hung boiler systems**, use the non-contact wiring diagram (disconnected when the electric valve is closed).

Note: Terminals 5 & 6 connect to the gas boiler. Terminals 3 & 4 connect to the N and L lines.

- For **normally closed thermal actuators**, connect to 2 & 3
- For **normally open thermal actuators**, connect to 1 & 3

Display Panel



Icon Descriptions

- Auto mode: Runs preset schedule
- Manual mode
- Clock
- Programming mode
- Temporary manual mode
- Holiday mode: Set days and temperature in countdown mode
- Heating: Icon disappears when heating is off
- EXT External NTC sensor
- WiFi: Flashing = EZ mode
- Child lock
- WiFi disconnected
- Cloud icon: Flashing = AP mode
- Window function active
- Room temperature
- SET Set temperature
- Cooling mode: Blinking icon indicates cooling output

Operation Keys

No.	Symbol	Function
A		Short press: Power ON/OFF
B		1. Short press  to toggle auto/manual mode 2. With thermostat on, long press  (3-5s) to enter programming settings 3. With thermostat off, long press  (3-5s) to enter Advanced Option A
C		1. Confirm button (used with other keys) 2. Short press to set time 3. With thermostat ON, long press (3-5s) to set Holiday mode 4. With thermostat OFF, long press (3-5s) to enter Advanced Option B
D		1. Decrease key 2. Long press to lock/unlock
E		1. Increase key 2. Long press to check external sensor temperature (available only for BN mode N3) 3. In program mode, press to enter temporary manual mode

Programming

Supports 5+2 (default), 6+1, and 7-day programming modes. Six time periods available for user customization.

With power on, long press  for 3-5 seconds to enter programming mode.

Short press  to select hour, minute, and time period.

Use  and  to adjust values. Settings auto-save and exit after ~10 seconds.

					
Wake up	Leave home	Back home	Leave home	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

Recommended comfort temperature: 18°C–22°C

Advanced Option A

With the thermostat powered OFF, long press  for 3-5 seconds to access Advanced Option A.

Short press  to select settings A1–AE. Use  and  to adjust.

Exit automatically after ~5 seconds.

No	Setting Option	Range/Function	Default
A1	Temp. Calibration	-9 ~ +9°C	-1°C
A2	Temp. Difference (start/stop)	0.5–2.5°C	1°C
A3	Child Lock	0: Half lock, 1: Full lock	0
A4	Power-On State	0: Resume, 1: Off, 2: On	0
A5	Standby Brightness	0: Off, 1: Dim, 2: Bright	2
A6	Weekly Program Mode	0: 5+2, 1: 6+1, 2: 7	0

No	Setting Option	Range/Function	Default
A7	Min Temp. Limit	1–10°C	5°C
A8	Max Temp. Limit	20–70°C	35°C
A9	Low Temp. Protection	1–10°C, 【--】 disables	5
AA	High Temp. Protection	20–70°C, 【--】 disables	45
AB	High Temp. Diff	1–9°C	2
AC	Window Function Temp.	10–20°C, 【--】 disables	--
AD	Window Function Duration	10–20 min	10
AE	Restore Factory Settings	Displays Ao, long press  to reset	—
AF	Heating/Cooling Mode	0: Heating, 1: Cooling	0

Advanced Option B

With the thermostat powered OFF, long press  for 3-5 seconds to access Advanced Option B.

Short press  to select options. Use  and  to adjust.

Exit automatically after ~5 seconds.

No	Setting Option	Function	Default
BN	Sensor Mode	N1: Internal N2: External N3: Internal control + external limit	N1
BC	Descaling Function	0: Disabled 1: Enabled	0
Bo	Product Info	Non-editable	—

Additional Information

Return Difference Function:

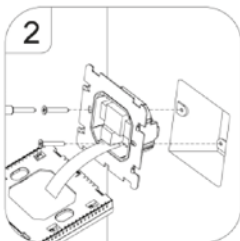
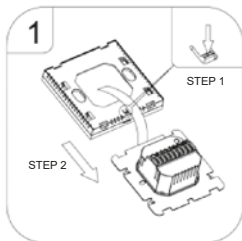
If external sensor is set to 45°C (default) with a return difference (AB) of 2°C:

- At 45°C, relay stops and high-temp alarm activates
- At 43°C, relay resumes and alarm clears
(Only functions when room temp is below set temp)

Sensor Fault Display:

- "E1" or "E2" shows if internal/external sensor is misconfigured or defective.
- Heating stops until issue is resolved.

Installation Diagram:



WiFi Thermostat Mobile App Programming Guide

Preparation required for Wifi Connection:

You will need a 4G mobile phone and wireless router. Connect the wireless router to the mobile phone and record the WIFI password.

Step 1 Download your app



Download 'Smart Life' or 'Smart RM' app from Google play and app store. Turn on the thermostat, press and hold the key combination  and  to activate WIFI distribution network icon,  and  are blinking together.

Step 2 Register your account

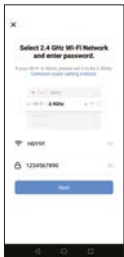
Step 3 Connect your Wi-Fi signal (EZ distribution mode)



1.Add Device or '+1'.



2.Select small appliance -
WIFI thermostat



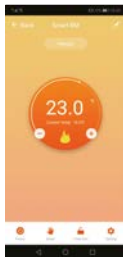
3. Select WIFI Network and enter password



4. Confirm thermostat WIFI icon  blinking



5. Connecting Device



6. Connected

Additional Functions

Holiday Mode: You can program the thermostat to be on for a set temperature for up to 30 days so that there is background heat in the house while you are away. This can be found under the mode 🖐️ section. You have the option to set the number of days between 1-30 and a temperature up to 27°C.

Lock Mode: This option allows you to remotely lock the thermostat so no changes can be made. This can be done by clicking the 🔒 symbol. To unlock click the 🔒 symbol again.

Grouping devices: You can link multiple thermostats together as a group and control them all simultaneously. This can be done by clicking on the ➕ in the top right corner and then clicking the Create Group option. If you have multiple thermostats linked it will allow you to tick each one that you want to be in the group and once you confirm the selection you will be able to name the group.

Sensor type and temperature limit

Click the Sensor type option and enter password (normally 123456). Then you will be given 3 options:

- (1) "Single built-in sensor" will only use the internal air sensor (DO NOT USE THIS SETTING*)
- (2) "Single external sensor" will only use the floor probe (ideal for bathrooms where thermostat installed outside room).
- (3) "Internal and external sensors" will use both sensors to read the temperature (Most common option).

Once you have chosen the sensor type, check that "Set temp. max" option is set to a suitable temperature for your flooring (typically 45°C).

*A floor probe must always be used with electric underfloor heating to protect the flooring.

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 1.5m 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 75x75x35mm 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 TS300 WiFi touch" is compliant with
https://warm-on.com/media/DoC_thermostat_ts300_en_de_fr.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 seperately. 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.



WARNING



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

IMPORTER: warm-on GmbH,
Rastatter Str. 30
75179 Pforzheim, Germany
Tel. +49 (0) 9343-9809061 (customer support)
<https://warm-on.com/>

MANUFACTURER: Xiamen Hysen Control
Technology Co., Ltd,
2F, No.888 Yangming Road, Xinyang
Industrial Park, Haicang District, Xiamen,
Fujian, Peoples Republic of China.