

Heating Touch Thermostat with LCD screen User Manual



950035PL is used for room temperature control and household temperature control floor heating system. It controls the operation status of the floor heating system by sensing the comparison between the room temperature and the set temperature. While improving comfort, achieve the purpose of energy saving. This series of thermostats have manual functions, programmable functions, state memory functions, and high-sensitivity touch keys. (optional WIFI function and infrared remote control).

Screen Description

: Manual function sign, the system only operates at the manually set temperature.

: Programming mode sign, weekly programming cycle, 6 time periods and the temperature corresponding to each time period are set every day, and the thermostat runs automatically according to the programmed program.

: Heating operation sign, the thermostat is in the output heating state.

: Temporary manual mode sign, in the programming mode, the temperature can be manually set to switch to the temporary manual state, when the next time period is reached, it will automatically exit the temporary manual mode, and continue to run in the programming mode (power off, shutdown, and switching modes cannot save the temporary manual state the temperature set below).

time period display	Working days (Monday to Friday)		Closed (Saturday to Sunday)	
	time	temperature	time	temperature
P1	6:00 get up	20°C	6:00 get up	20°C
P2	8:00 work	18°C	8:00 work	18°C
P3	11:30 lunch break	15°C	11:30 lunch break	15°C
P4	12:30 work	18°C	12:30 work	18°C
P5	16:30 get off work	20°C	16:30 get off work	20°C
P6	22:00 rest	15°C	22:00 rest	15°C

User Operation

Power on and off: Press " power on, and press again to power off.

Mode selection: In the power-on state, short press " " to switch the mode, the LCD screen displays " " indicate the manual mode, and display " " indicate the programming mode. Temperature setting: press " "to lower the set temperature, press " "increase the set temperature, the temperature change range is 05°C~45°C. When power off and on, keep the temperature before power off

Time check: short press "enter the display time state, and automatically exit to display the set temperature after 5 seconds.

Time setting: long press "3 seconds to enter the time setting, enter the minute flashing, then short press " "hour flashing, week flashing, flashing state press " "or " "set value after setting press " "Exit and save the set time, week.

Programming setting: long press " "5 seconds to enter the programming mode setting interface, adjust the order; week 1~week 5 first period timing time adjustment→week 1~week 5 first period timing temperature adjustment→...→time adjustment for the sixth period of Saturday and Sunday → Time adjustment of the sixth period of Saturday and Sunday, press " " or " " to adjust the temperature or adjust the time parameter value (the time is increased or decreased in units of 15 minutes). After each parameter is set, press " "key to switch options and confirm setting values.

Key lock: press simultaneously when power on " and "5 seconds into the child lock state,

at this time the display shows , and simultaneously press " "and" "5 seconds to release the child lock state.

Fault alarm: When the sensor fails, it will display "Err" or E1, E2 code to alarm and disconnect the heating output, and it will not return to normal until the fault is removed.

Control mode: The room temperature is lower than the set temperature, and the control valve has output or heating output state. If the room temperature is higher than the set temperature, the heating will be stopped.

External sensor temperature view: long pres " the floor temperature is displayed for 5 seconds, and the previous display is restored after three seconds (optional: this function is only available in dual-sensor configuration).

Specification Parameters

Input voltage: AC230V, 50/60Hz

Self-consumption power: <1W

Temperature control accuracy: ±1°C

Temperature sensing element: NTC

Temperature control range: 05°C~45°C

Load current: 3A

Dimensions: 86mmX86mmX14mm

Mounting hole spacing: 60mm

Advanced Options

In the off state, long press the " "and" "5 seconds to enter advanced options settings, then short press to toggle the option content, press " " or " " after setting, it will be automatically saved after booting.

Display symbols	Option content	Default	Press "▲" and "▼" make adjustments
1	Temperature compensation	-2℃	-9℃~+9℃
2	Start temperature difference	1℃	1℃~5℃
3	sensor type	In	In: Built-in sensor OU: External sensor AL: Internal and external sensors
4	Low temperature protection settings	---	5℃~10℃, press "▲" at 10℃, display "-" means to turn off the indoor temperature is detected to be lower than the set low temperature in the shutdown state, the thermostat will automatically turn on the heating.
5	High temperature protection settings	60	35℃~99℃, press "▼" at 35℃, the display "-" means to turn off the function; if the probe detects that the temperature is higher than the set temperature, the heating device will be forcibly shut down. (With external sensor power supply and select AL dual sensor to have this function)
6	Key lock options	0	0: In locked state, lock the switch key 1: In the locked state, all key locks include the open key
7	Rest day choice	01	01 weekends: 12345 and 67 "-": cancel weekly programming 02 Single break: 123456 and 7
8	Backlight mode	02	00: Automatically turn off after 10s 01: Always on 02: Automatically half-bright after 10s
9	Temperature upper limit	45	05℃~99℃, (for example: the default is 45℃, when setting the temperature, the maximum can only be adjusted to 45℃)
10	Power off and restart	02	0: power on 1: power off 2: Restore the state before power failure

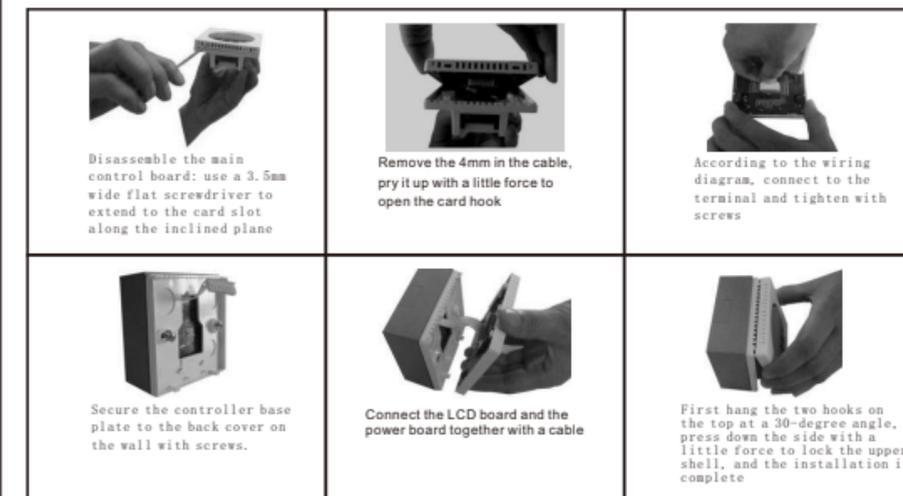
WiFi connection operation (optional WiFi model only has this function)

1. Download TUYA APP, search on your phone or scan the QR code
2. To create an account for a new user, click to create a new account-->Agree-->Enter the mobile phone number-->Enter the verification code-->Enter the account password--> Complete account creation.
3. click Login with an existing account.
4. To add a thermostat device, click Add Device--> click Small Home Appliances-->click Thermostat Wi-Fi--> long press the power button of the thermostat for 5 seconds-->enter the current WiFi name and WiFi password on the phone(only support 2.4G WIFI network)-->click Next-->click Finish.
5. A thermostat can only connect to one phone, and if another phone wants to connect to the thermostat, the connected phone must be logged out first. there are two ways to exit the connection: A. exited on the phone, (click the icon in the upper right corner) B. exited on the thermostat (long press the power button for 5 seconds, the WiFi icon flashes in the upper left corner, the meaning is exit the connection)
6. Sharing settings, the connected mobile phone can be shared with other phones to operate the thermostat, install Tuya APP -->click the icon of the thermostat that needs to be shared-->click the icon in the upper right corner-->click sharing settings-->click Add sharing-->enter the mobile phone number to be shared-->and then click Finish.

Installation and use precautions

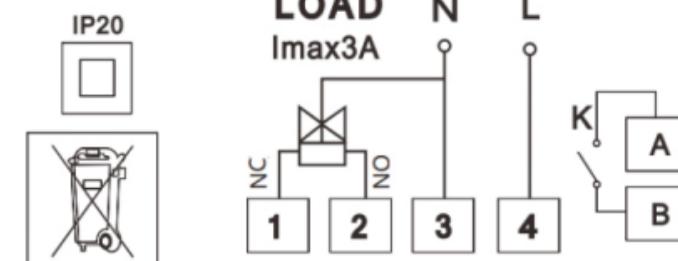
1. The front end of the thermostat system should be equipped with a power control switch or a separate power socket, and the power should be cut off when the controller system is not required to work.
2. Cut off the power supply during installation, configure the power switch, and cut off the power supply when it is not working.
3. The installation location should be about 1.4m away from the ground, avoid direct sunlight, wind, and heat sources.
4. Connect the circuit according to the wiring diagram of the bottom case. If the controller used does not match the installed installation diagram, please contact the dealer or factory.
5. The load is equipped according to the marked current, and overload is prohibited.

Installation diagram



Wiring diagram

AC 230V I_{max}3A



1: Normally closed 2: Normally open 3: N line 4: L line
A/B: Connect to the linkage with other component

Warning: Wiring must be properly wired according to the electrical wiring diagram. Do not put water, mud and other impurities into the thermostat, otherwise the device will be damaged!