

Wi5 Wi-Fi Digital Heating Thermostat User Manual

Thank you for purchasing one of our products and for your support.

For Android users, search “**Smart Heating**” at Google Play, for iPhone users, search “**Smart Heating**” at App Store.



Turn on the thermostat, long press **SET** and **OK** for pairing thermostat with APP, the APP advanced setting password is 123456.

About Your Thermostat

The **Wi5 Wi-Fi** series range has been developed to control electric underfloor, water heating or water/gas boiler systems, all designs have a screen backlight function.

FEATURES

Appearance

- 1.) Dimensions are 86 x 86 mm.
- 2.) Touch buttons for operation.
- 3.) The thermostat is only 15mm in depth.
- 4.) 86mm Hidden box and 60mm European box.
- 5.) Flat mounting and is easy to install.
- 6.) Display size: 64 x 64mm.
- 7.) Colour: White.

Functions

- A.) Includes built-in sensor and external sensor.
- B.) 0.5°C accuracy keeps temperature within the level you set.
- C.) Child lock to prevent children from operating the thermostat.
- D.) Data memory when power is off.
- E.) Holiday mode to allow you to enjoy a more comfortable temperature for when you get back home.

Product Specifications

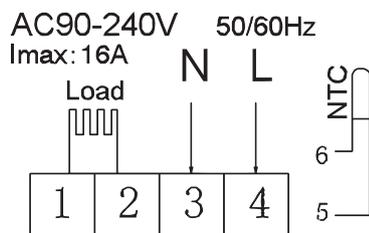
- ★ Power: 90-240Vac 50/60HZ.
- ★ Display accuracy: 0.5°C.
- ★ Probe sensor: NTC(10k)1%.
- ★ Contact capacity: 3A/250V(WW);16A/250V(WE).
- ★ Working environment temperature: 0~90°C.
- ★ Range of temperature adjustment: 5~35°C.
- ★ Range of temperature display: 0~40°C.
- ★ Insulating condition: Normal environment.
- ★ Running program: Set per 1 week as a cycle.
- ★ Output: Switch relay.
- ★ Installation: Wall mounted or on battery seat.
- ★ Dimensions: 86 x 86 x 27mm.

Before Wiring & Installation

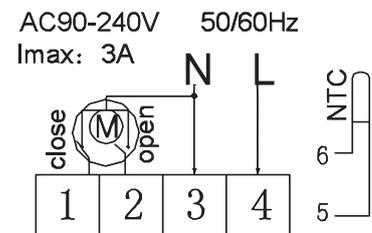
- 1.) Read these instructions carefully. Failure to follow them could damage the product or cause harm.
- 2.) Check the ratings given in the instructions and on the product to make sure the product is suitable for your application.
- 3.) The installer must be a trained experienced service technician.
- 4.) After installation is completed, follow the steps in these instructions to operate your thermostat.

CAUTION

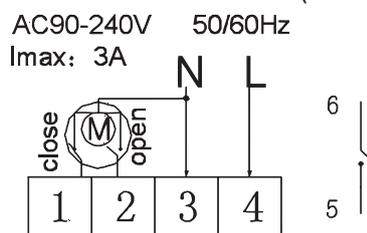
**ELECTRICAL SHOCK OR EQUIPMENT DAMAGE HAZARD OR EQUIPMENT SHORT CIRCUITRY
DISCONNECT POWER SUPPLY BEFORE INSTALLATION**



WIRING DIAGRAM DO NOT CONNECT TERMINAL “CLOSE 4” OF ELECTRIC VALVE



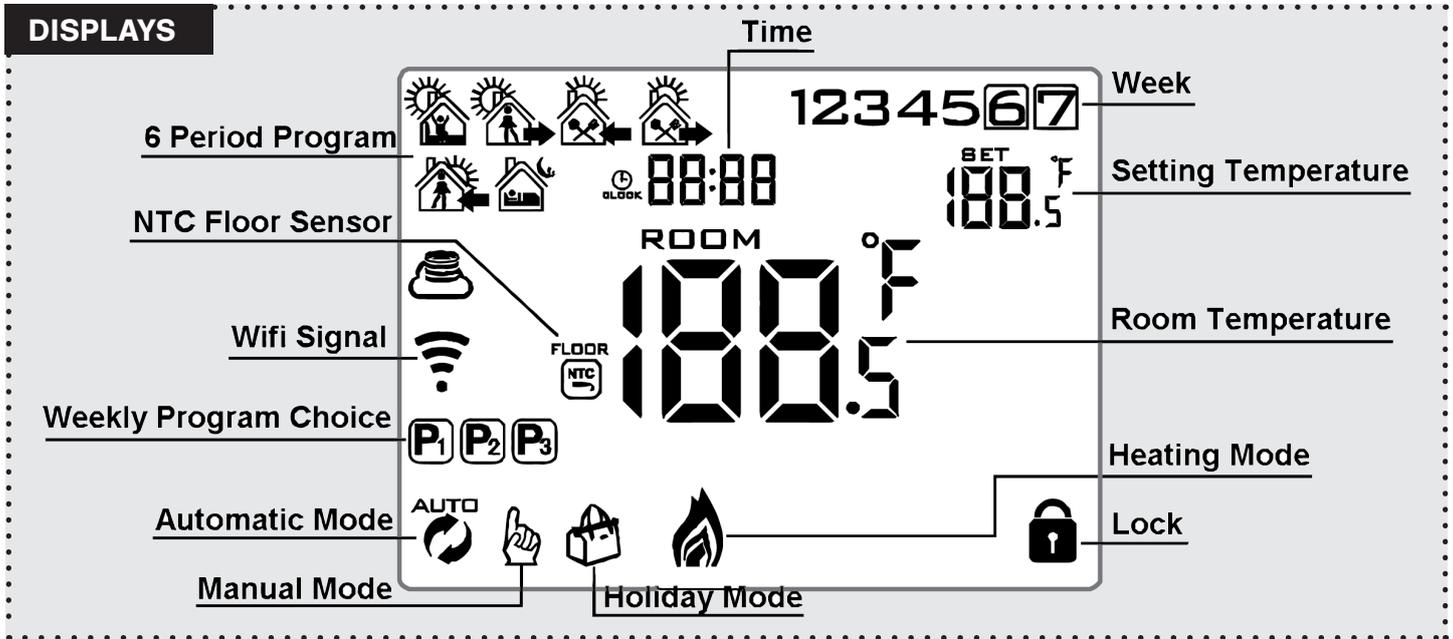
ELECTRIC HEATING WIRING DIAGRAM



WATER HEATING WIRING DIAGRAM

(do not connect terminal “close 4” of electric valve)

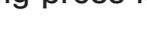
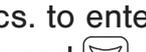
Water heating and gas wall-hung boiler heating, no contact wiring diagram, (disconnection when electric valve close).
Note: 3 & 4 Connect with power, 5 & 6 connect with gas boiler, 1 & 2 connect with thermal actuator, please do not connect 1&2 to gas boiler, If you connect it wrongly, there will be Short circuit, our gas boiler board will be damaged.



Description of screen icons

-  Auto Mode: Run Preset Program
-  Manual Mode
-  Holiday Mode
-  Press power key 3-5 secs. to Lock/Unlock
-  Wi-Fi Signal is disconnected
-  Heating ON / OFF = No Icon
-  Clock
-  NTC Floor Sensor
-  Wi-Fi Signal
-  Connected to cloud

Operation Key

NO	Symbols	Represents
A		Short press to turn thermostat either ON or OFF.
B		1.) Short press to switch between manual and automatic mode. 2.) Turn ON thermostat - Long press for 3-5 secs. to enter into PROGRAMMABLE MODE. 3.) Turn OFF thermostat - Long press for 3-5 secs. to enter into ADVANCED MODE.
C		1.) Confirm key: Use it with  key. 2.) Only short press to set time. 3.) Turn on thermostat, long press for 3-5 secs. to enter holiday mode setting. OFF Will appear use the  up and  down arrows to change to ON and then press the  to confirm holiday mode set.
D		1.) Down Arrow = Decrease Value Key 2.) Long press to LOCK or UNLOCK
E		1.) Up Arrow = Increase Value Key 2.) Long press to access external sensor temperature reading 3.) In Auto Mode, press the up  or  down arrow to enter temporary manual mode.

Thermostat Program Mode

There are 3 period modes: 5 (weekdays) + 2 (weekend days), 6 + 1 and 7 days. Choose period of your choice by long pressing  /  for 3-5 secs. Enter into programmable mode. Then short press  /  choose: hour, minute time period and press  and  to increase and decrease values. Once finished setting after 10 seconds thermostat will automatically save & exit.

					
Wake Up	Outdoor	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

The optimum comfort temperature is 18°C - 22°C

Advanced Options

With the thermostat turned off, long press  /  for 3-5 secs. to access advanced settings. From A1 to AD short press  /  to toggle through the options. Adjust data by using the up  and down  arrows. Short press  /  to go to next option. After about 5 secs. the thermostat will save & exit on its own.

NO	Settings Options	Data Setting Function	Factory Default
A1	Measure temperature calibration	Change value range -9°C to + 9°C	0.5°C Accuracy Calibration
A2	Temperature control return difference setting	Change value range 0.5°C to + 2.5°C	1°C
A3	External sensors limit temperature control return difference	Change value range 1°C to + 9°C	2°C
A4	Options of sensor control	N1: Built-in sensor (high temperature protection close). N2: External sensor (high temperature protection close). N3: Built-in sensor control temperature, external sensor limit temperature (external sensor detect the temperature is higher than highest temperature of external sensor, thermostat will disconnect relay, turn off load).	N1
A5	Children lock setting	0: Half Lock 1: Full Lock	0
A6	Limit value of high temperature for external sensor	1.) 35°C - 75°C 2.) Under 35°C, screen display  , high temperature protection was cancelled.	45°C
A7	Limit value of low temperature for external sensor (anti-freeze protection)	1.) 1°C - 10°C 2.) Exceed 10°C, screen display  , low temperature protection was cancelled.	5°C
A8	Setting temperature lowest limit	1°C - 10°C	5°C
A9	Setting temperature highest limit	20°C - 70°C	35°C
AA	Descaling function	0: Close descaling function. 1: Open descaling function (valve is continuously closed over 100 hours, it will be opened for 3 minutes automatically).	0: Close descaling function
Ab	Power with memory function	0: Power with memory function. 1: Shutdown power after power off 2: Shutdown power after power on	0: Power with memory function
AC	Weekly programming selection	0: 5 + 2 (5 weekdays + 2 weekend days) etc. 1: 6 + 1 2: 7	0: 5 + 2
Ad	Restore to factory defaults	Displaying A0, press  /  key until whole LCD show all icons	

Hysteresis Description

Limit value 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 activate high temperature production alarm. If temperature decline to 43°C relay continue to work and heating alarm will be deactivated. (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 you choose incorrectly or sensor fault (breakdown), "E1" or "E2" will be displayed on the LCD screen. The thermostat will then stop heating until the fault is eliminated.

Warranty: This product comes with a warranty of 12 months from the date of purchase.

Warranty

This product comes with a warranty of 12 months from the date of purchase.

Smart Heating App Download

The Smart Heating APP allows you to setup and control your Wi5 Wi-Fi thermostat from anywhere in the world where you have a Wi-Fi or data connection. The APP is available on both IOS and also Android.

To download the APP please scan the following respective QR Codes with your phone. You may have to install QR Code scanning software or apps on your device for this step.

Wi-Fi Connection

Once you have the APP installed on your device, you will either need to login to the APP or create an account.

Once logged in you will be able to connect to the i5 Thermostat. When you connect the Thermostat ensure the Wi-Fi icon is flashing on the screen, if not long press  and  at the same time until the Wi-Fi icon starts to flash. You can then complete the connection routine from within the APP. You will also need your Wi-Fi password to complete the connection to the Thermostat.

ANDROID APP



IOS APP

