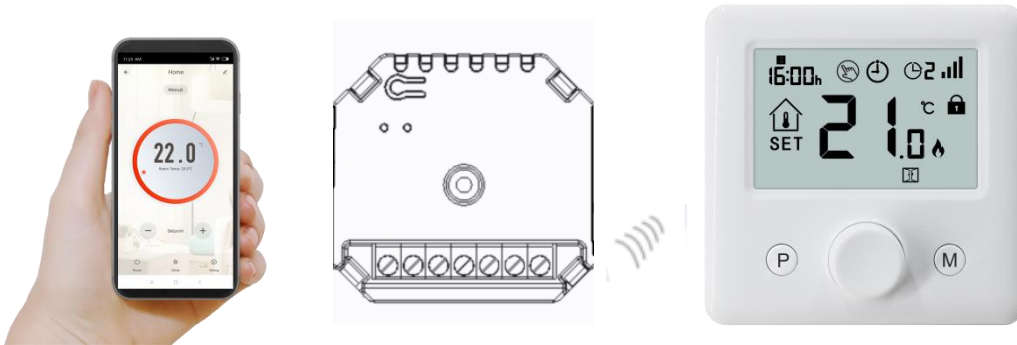


# Thermix Smart Wifi Heat Pump Thermostat

WPRTHP24

Thermix patented wireless thermostat controlled plinth heaters have been developed to enable control of the plinth heating on and off using a combination of set temperature and water flow temp from the heat pump



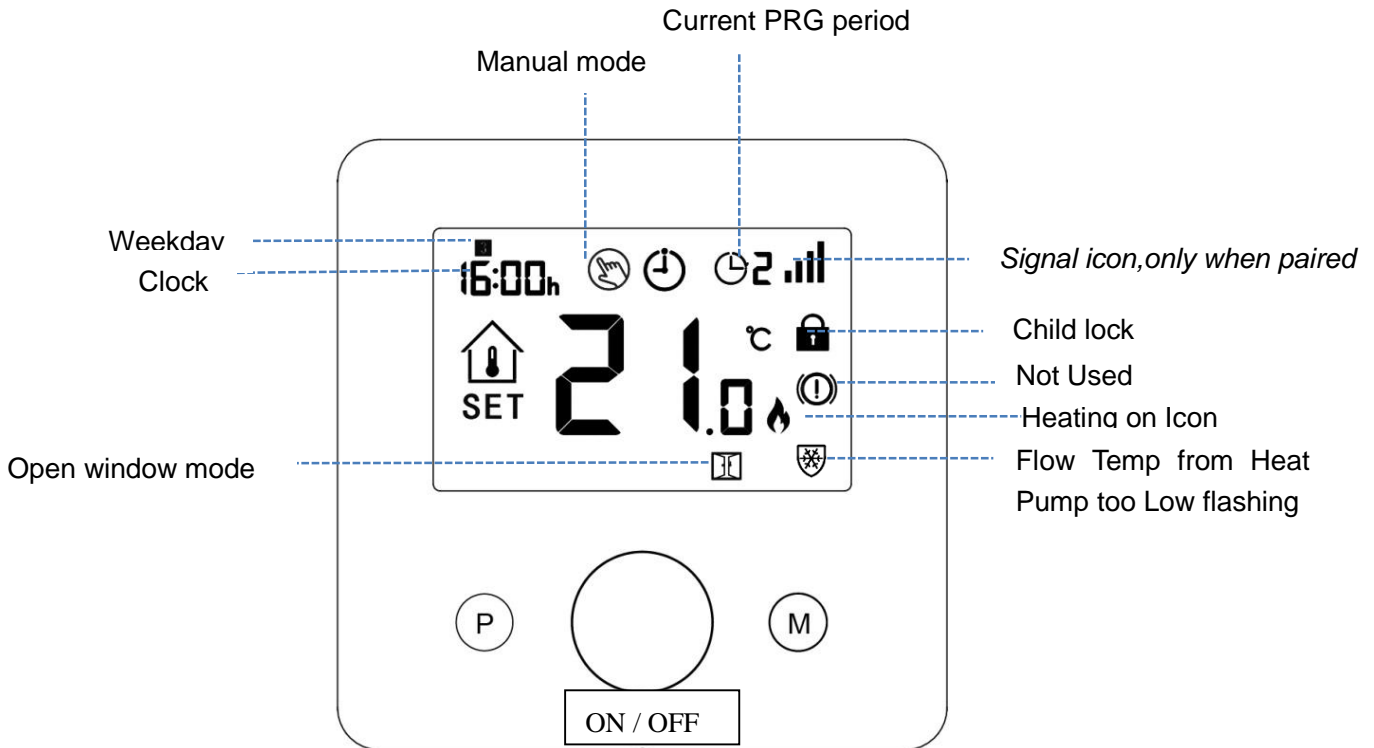
## Functions

- ✓ Large display can be clearly read with the background lighting.
- ✓ Easy to fit thermostat and receiver.
- ✓ Knob button make it easy to use.
- ✓ 4 periods of each day programmable
- ✓ The display shows the set temperature as well as the measured temperature, time.
- ✓ Temperature display in degrees Celsius.
- ✓ Adjustable flow temp sensing to activate ( default 32 degrees )
- ✓ The thermostat is supplied with a wall-fixing frame, base and a very compact receiver (surface-mounted).

## Technical Data

Thermostat operating voltage:	2*AAA battery power supply
Backup storage:	EEPROM
Receiver operating voltage:	230 VAC, 50/60 Hz
Maximum voltage / (ohmic) load:	250 VAC/10A.
Frequency:	868 MHz
Channel selection:	By programming the thermostat and the receiver.
Switching options:	7 days, 4 periods each day.
Receiver switch contacts:	NO and NC.
Temperature settings:	5°C ~ 35°C, 0.5°C increments.
Accuracy:	+/- 1°C
Thermostat dimensions:	Surface mounted, 86*86*26.48MM
Receiver dimensions:	Surface mounted, 48.7*51.3*30.5mm
Color:	White
IP protection rating:	20.
Certification:	CE, Rohs, RED

## Display



## Clock Adjustment

The date and time setting is automatically updated when the thermostat is connected to Wi-Fi via the application. If this does not happen, follow the procedure below:

Press and hold **M** button for 3s, set the clock by adjusting the knob to left or right, each press of **M** button will go to next item setting.

Menu	Description	Menu	Description
01	Clock setting- Minute	03	Clock setting- Weekday
02	Clock setting- Hour	04	Pre-set temp. of Away mode

## Child Lock

Under child lock ON (refer to menu11 of parameter setting), the buttons will lock once backlight off. Long press **ON/OFF** button to unlock.

## Mode Select

Press **M** button to select PRG mode /MAN mode/Away mode.

## PRG setting

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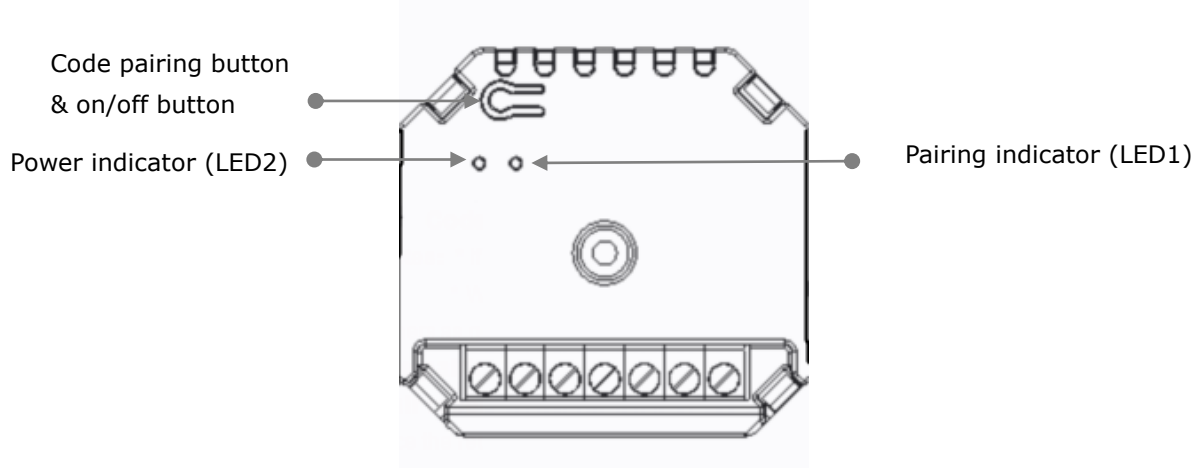
Press and hold **P** button for 3s to enter program setting.

Set the schedule (Weekday-Period-Start time-Temp.) by adjusting knob to left or right to change value setting, each press of **P** button will go to next item setting.

## Default Setting:

Period	1		2		3		4	
	Time	Temp	Time	Temp	Time	Temp	Time	Temp
12345(Mon.~Fri.)	7:00	22°C	8:30	19°C	17:00	22°C	22:00	19°C
6(Sat.)	8:00	22°C	8:30	22°C	17:00	22°C	22:00	19°C
7(Sun.)	8:00	22°C	8:30	22°C	17:00	22°C	22:00	19°C

## Code Pairing



### I. Code Pairing with Sender

- 1) Long press the **code pairing button** on the receiver until LED 1 is flickering quickly.
- 2) Turn on sender, and long press **ON/OFF** button until the code shows on the screen, then please rotate button to right , the ID code start flashing.
- 3). Wait for a while till LED 1 stop flickering. Code pairing success, press **ON/OFF** button to exit.

### II. Code Pairing with App

- 1) Scan the QR code, and download “Smart Life” APP from google play or app store
- 2) Install app and register account
- 3) Add device by press + button at top right corner
- 4) Press “Small Home Appliance ”
- 5) Find “Thermostat” on the list and press
- 6) Long press **Code pairing button** on receiver to enter wifi connection mode, the LED will flash quickly.
- 7) Press “Confirm indicator rapidly blink” on phone.
- 8) Wait a moment till connection done. The LED on receiver will stop flashing. Wifi connection success. If the LED still flash slowly, the connection fail, please try again from step. 5.




## Optional Settings Explained

**Feature 01**– This feature used to calibrate the air sensor temperature when need.

**Feature 02/03**– Temperature Max.& Min. Limit: This function allows you to limit the use of the up and down temperature arrow keys.

**Feature 04**– Sensor Selection: On this thermostat for heat pump operation this should be on (2) ,You can select between internal temperatures only, external temperature, or both. When both sensors are enabled only when the water temp sensor in the plinth heater goes over the set value ( feature 08 default 32deg ), the plinth heater will then activate base on room set temp.


**Feature 05** - Frost Protect Temperature: This is the temperature maintained when the thermostat is in Frost Mode. The range is 05 - 15°C. The default is 5°C.

**Feature 08** – Min Flow Temp Limit 25deg / 50deg: (32°C is the default setting). When flow temp is below this the plinth heater will not run and will flash this symbol  .

**Feature 09** – Deadzone/Switching Differential: This function allows you to increase the switching differential of the thermostat. The default is 0°C which means that with a set temperature of 20°C, the thermostat will switch the heating on at 19.5°C and off at 20.5°C. With a 0.5°C differential, the heating will switch on at 19°C and off at 21°C.

**Feature 11**– This feature used to lock the keys. When lock, press **ON/OFF** button at the same time to unlock it.

**Feature 12**-This function allows you to save energy. When enable Open Window Detection function, the system will automatically stop heating when it detects a sudden drop of room temperature (2°C in 15 minutes as default). This is normally caused when a window or door is opened without turning off the heating device.

The device will return to the previous mode of operation after 30mins, then icon  disappear. Press any button will exit OWD function during the heating off period.

**Feature 13**-The setting time to detect the drop of room temperature between 2-15mins (15 mins is the default setting).

**Feature 14**-The drop temperature to during detect period. Setting between 2-4°C (2°C is the default setting).

**Feature 15**-The time to exit OWD mode select. Setting between 10~60min(30min is the default setting).

## Optional Settings

Turn off thermostat, long press **ON/OFF** button to enter parameter setting page, each press of **ON/OFF** button will go to next item setting. By adjusting knob to left or right to change value setting. After setting, long press **ON/OFF** button to exit or wait till backlight off to exit.

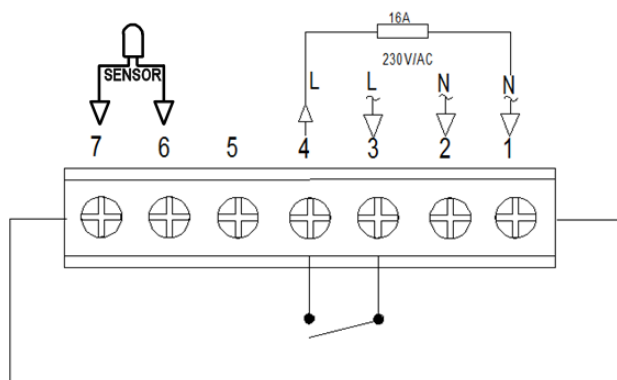
<u>Feature</u>	<u>Description</u>	<u>Range</u>	<u>Default Value</u>
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WPRTHP24

01	Temp. calibration for internal sensor	-8 °C ~8 °C	0°C
02	Set Point Max.	5 °C ~35°C	35 °C
03	Set Point Min.	5 °C ~35°C	5 °C
04	Sensor type select This must be on 2 for heat pump operation	0: Internal sensor 1: External sensor 2: Internal & External	2
05	Frost Protection Temp.	5 °C ~15°C	5 °C
07	Water flow sensor Temp.	Read only	
08	Minimum water temp setting to run ( by sensor in plinth heater )	25 °C ~50°C	32°C
09	Dead zone	0~3°C	0°C
10	Room Temp. or Set Temp. Display Select	0: Room Temp. 1: Set Temp	0
11	Child Lock	1: Lock 0: Unlock	0
12	Open window detect function	ON OFF	OFF
13	OWD Detect Time	2~30mins	15mins
14	OWD Drop temp. select ( within detect time )	2.3.4°C	2 °C
15	The time to exit OWD mode select. (Return to previous working status)	10~60min	30mins
17	Factory reset	0: No 1: Yes, and then press On/off button for 5s,wait until thermostat restart	0
	Software version	9012	
	Software version		

## Wiring Diagram



## Installation

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**Mount the thermostat at eye level. Read the instructions fully so you get the best from our product.**

**Do not install near to a direct heat source as this will affect functionality. Do not push hard on the LCD screen as this may cause irreparable damage.**

### Install Transmitter

Step 1: Carefully separate the front half from the back plate.

Step 2: Screw the thermostat back plate securely on wall with provided screws

Step 3: Clip the front of the thermostat onto the back plate.

