

# Thermix Wireless Digital Room Thermostat

WPRT21

Thermix patented wireless thermostat controlled plinth heaters have been developed to enable control of the plinth heating on and off using a set temperature and time.



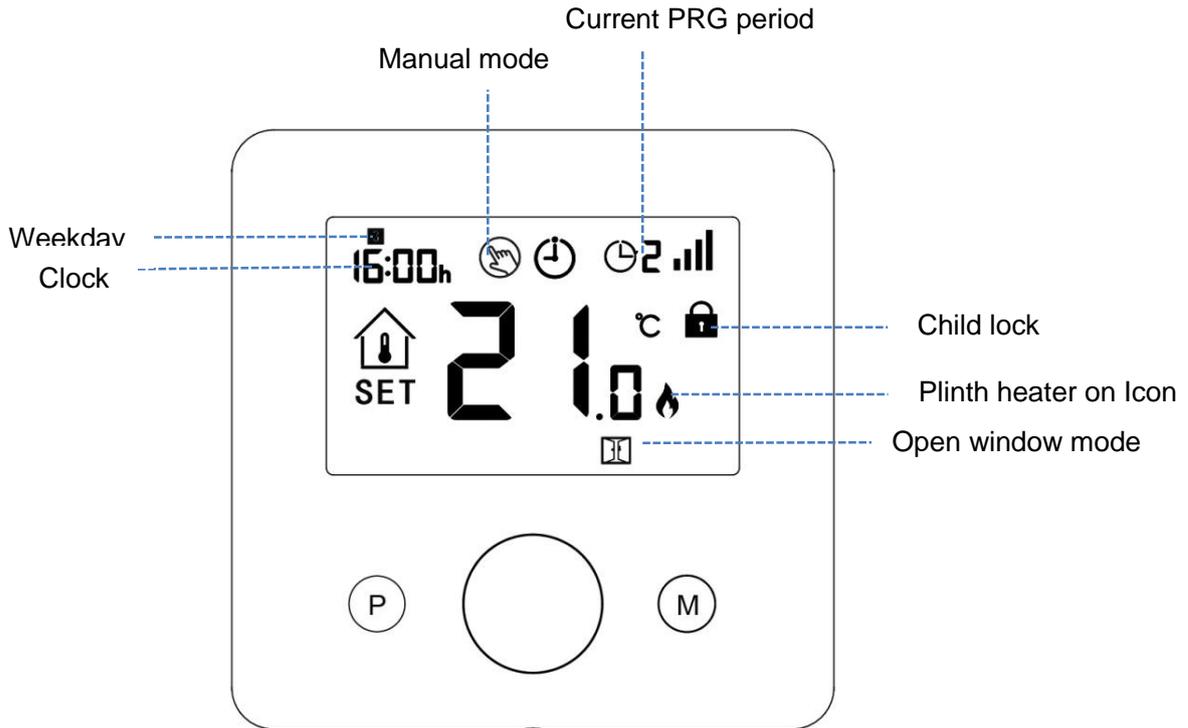
## Features

- ✓ Large display can be clearly read with the background lighting.
- ✓ Easy to fit thermostat.
- ✓ Simple use rotary function button.
- ✓ 4 set periods programmable
- ✓ The display shows the set temperature as well as the measured temperature, time.
- ✓ Temperature display in degrees Celsius.
- ✓ Open window detection feature
- ✓ The thermostat is supplied with a wall-fixing frame and freestanding stand.

## Technical Data

Thermostat operating voltage:	2*AAA battery power supply
Backup storage:	EEPROM
Receiver operating voltage:	230 VAC, 50/60 Hz
Maximum voltage / load:	250 VAC/16A.
Frequency:	868 MHz
Switching options:	7 days, 4 periods each day.
Temperature settings:	5°C ~ 35°C, 0.5°C increments.
Accuracy:	+/- 1°C
Thermostat dimensions:	Surface mounted, 86*86*26.48MM
IP protection rating:	20.

## Display



## Clock Adjustment

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. Note when you adjust temp please allow 10 seconds for the plinth heater to change state.

## Program setting

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

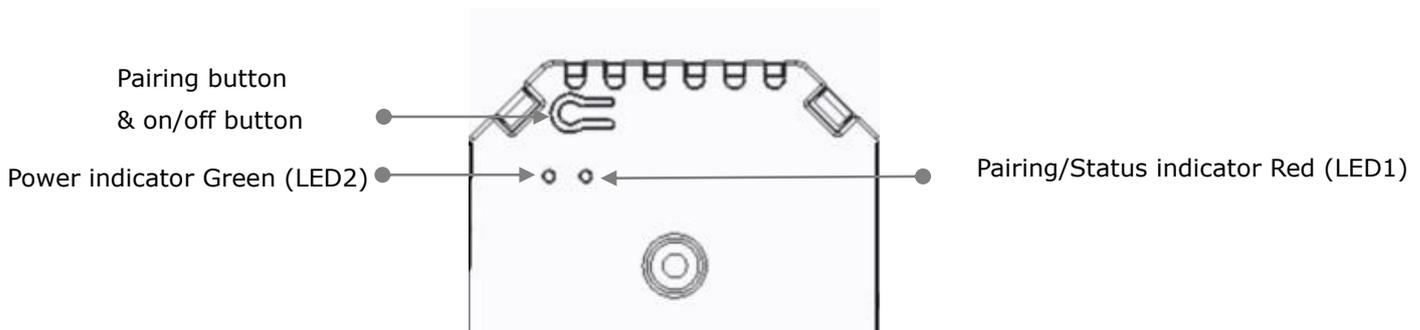
Set the schedule (Weekday-Period-Start time-Temp.) by adjusting knob to left or right to change temp value setting, each press of **P** button will go to next item setting.

**Default Setting:**

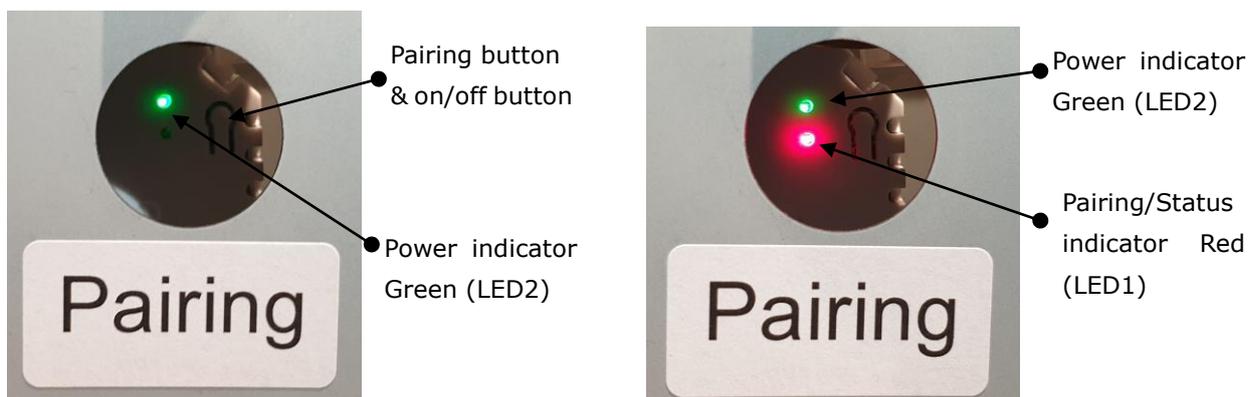
Period	1		2		3		4	
	Time	Temp	Time	Temp	Time	Temp	Time	Temp
12345(Mon.-Fri.)	7:00	22°C	8:30	19°C	17:00	22°C	22:00	19°C
6(Sat.)	8:00	22°C	8:30	22°C	17:00	22°C	22:00	19°C
7(Sun.)	8:00	22°C	8:30	22°C	17:00	22°C	22:00	19°C

**Thermostat Pairing - This has been carried out in production and should not be necessary**

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**If this ever loses pairing please follow the instruction below to pair the thermostat.**



**NB: "Pairing" access hole is on left side of heater casing**



- 1) Long press the **pairing button** on the receiver until LED 1 is flashing quickly.
- 2) Turn on Thermostat, and long press **ON/OFF** button until the code shows on the screen, then please rotate the rotary knob to right, the ID code start flashing.
- 3). Wait for a while until LED 1 stops flashing. Once pairing successful, press the **ON/OFF** button to exit.

## Optional Settings Explained

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**Feature 01**– This feature is not used

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

**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 09** – Dead zone / 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

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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>
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
05	Frost Protection Temp.	5 °C ~15°C	5 °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

## Installation

Read the instructions fully so you get the best from our product.

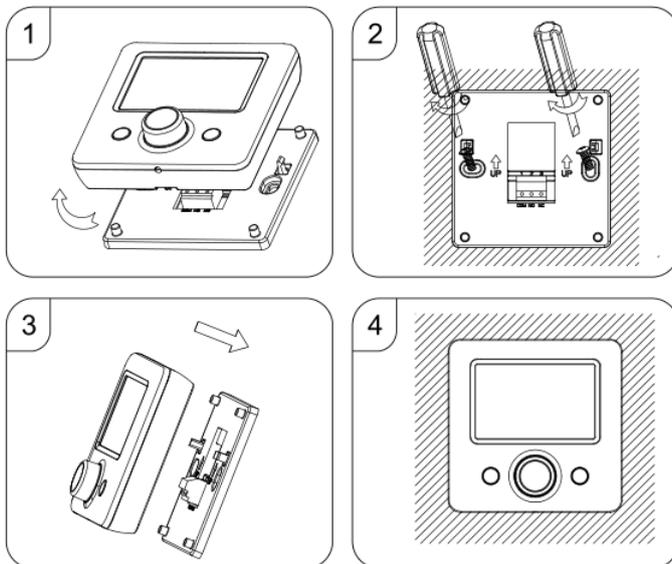
Do not install near to a direct heat source as this will affect functionality. Do not push hard on the LCD screen as this may cause irreparable damage.

### 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.



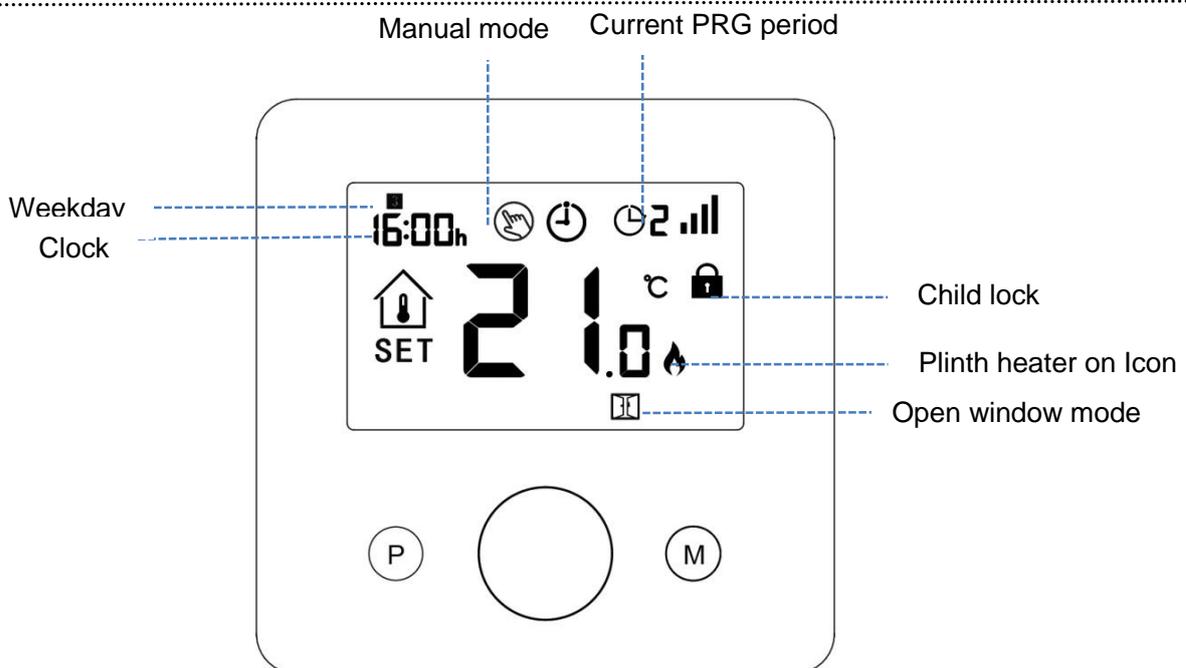
# Thermix Smart Wi-Fi Digital Room Thermostat

WPRT21-WIFI

The Thermix Wifi smart thermostat has been developed to enable control of the plinth heating on and off using a set temperature and time remotely at any time anywhere.



## Display



## 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" on the left column.
- 5) Scroll down and find the HVAC section the select "Thermostat (Wi-Fi)".
- 6) Long press **pairing button** (See Photo below) on receiver to enter Wi-Fi connection mode, the red LED will flash quickly. (Note: if you have 2 heater then please use the master heater for Wi-Fi set up)



- 7) Press "Confirm indicator rapidly blink" on phone.
- 8) Wait until device added on the phone app. The red LED on receiver will stop flashing indicating the successful Wi-Fi connection. If the LED still flash slowly, the connection fail, please try again from step. 5.

## Voice controlled models

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### Commissioning Switch:

- Please put the commissioning switch in position “I” when you turning the heater on after the completion of the plumbing works and Electrical connection.
- Commissioning switch position “I” bypasses the Alexa Wi-Fi module inside the heater allows to test the heater function.

### Checks prior to powering up or using the heater

- Your smart phone or tablet is connected to a 2.4G Wifi with internet (Note some new Routers will need to be adjusted from the default 5.0G mode)
- You have the correct WiFi Password ( Very Important )
- Your smart phone or tablet must have access to App store or Google Play
- Your Router is MAC – Open

### Set up Guide for controlling Via the E We Link app

1. Start with getting the “eWeLink” App , You may Scan the QR Code on the Heater lid Label or search in the App Store or Google Play for Android
2. Register an eWeLink account
3. Log in to Your account
4. Power up the Plinth Heater
5. Blue light (see the photo below for the location) should be flashing 3 times than 1 sec off repeatedly.
6. Tap + on eWeLink app
7. Select “Quick Pairing Mode”
8. Add one device (multiple device if you want to pair 2 heaters )
9. Input your WiFi Password (Ensure correct and no special characters \$& # )
10. Name the device “Plinth Heater” after it connected.
11. When the Device is connected the blue LED will be permanently on.

**IMPORTANT: The App controlled models will only control your plinth heater and not your central heating Boiler. Hot water must be flowing through the heater before the fan will run.**

If you have any trouble please check out the you tube video which shows the set up steps <https://www.youtube.com/watch?v=-UpNJ4QkFp0>

If you want to control multiple heaters please create the room called “Kitchen “and then create a “ Group “ please see info here :

<https://help.ewelink.cc/hc/en-us/articles/360041800371-Home-Group-Control-and-Share>



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