MU-200 Series Thermostat (Wifi type)

Product Overview

The MU-200 series is designed to control water based underfloor heating, electric underfloor heating and traditional heating systems. These units are suitable for use in commercial, industrial, residential, and public buildings.

PD Programmable Smart Digital Thermostat with a slim, elegant design.

- Room or zone thermostat with various applications.
- Smartphone or direct control with soft touch icons.
- No additional router is needed for installation.
- Works with Smart home devices from Google, Amazon, and Apple.
- Features Green Leaf energy-saving mode and single-touch override.

Installation Notes

Please confirm that this product is suitable for your heating equipment before installation;

- Ensure the power is turned off before beginning any installation or maintenance work.
- Follow the wiring diagram precisely during the installation process.
- When mounting the product on a wall, verify that the fasteners used are appropriate for this device.
- Avoid excessive pulling on the cable to prevent damage to the product.
- If using a hard plastic wire during installation, pre-bend it to the proper angle.
- Professional installation is recommended.
- For any equipment malfunctions, contact after-sales service and refrain from attempting repairs yourself.
- After installation, review this manual to ensure everything is functioning safely and retain it for future reference.

Product Codes

PDW4-0202 White
PDW4-0203 Black

Box Contents

Thermostat 1pc	Screws 2pc
User Guide 1pc	Wall plate 1pc
QC Passed 1pc	TRP1-0207 Floor / Remote sensor NTC3950, 10K

Technical Data

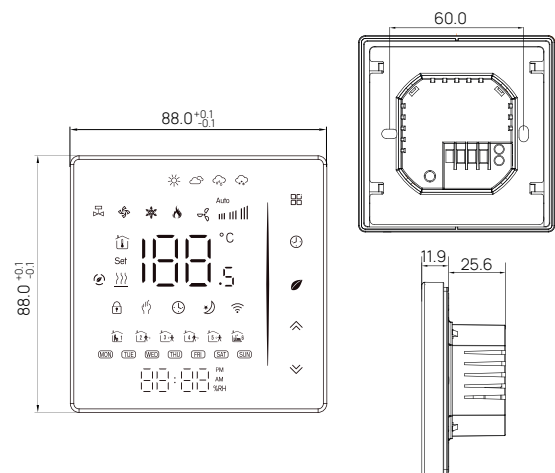|	
Power Supply:	95 ~240 VAC, 50~60Hz
Current Load:	16A suitable for hydronic or electric
Sensor:	NTC3950, 10K
Accuracy:	±1°C
Set Temp. Range:	5-35°C
Room Temp. Range:	5-99°C
Display Temp. Range:	5 ~ 99°C
Ambient Temp.:	0~ 45°C
Ambient Humidity:	5 ~ 95 % RH (Non Condensing)
Storage Temp.:	-10~ 45°C
Power Consumption:	‹1. 5W
Timing Error:	‹ 1%
Shell Material:	PC +ABS (Fireproof)
Installation Box:	86 * 86mm Square 35mm Back Box
Wire Terminals:	Wire 2 x 1.5 mm^2 or 1 x 2.5 mm^2
Protection Class:	IP20
Buttons:	Capacitive Touch Buttons

Features

Appearance

- LED display for a more user-friendly interface.
- Touch-sensitive buttons for a smoother experience.
- Ultra-thin embedded panel seamlessly fits various wall types.
- Sleek, borderless design with rounded corners for a modern and elegant look.
- Compatible with standard 86mm square cassettes.

Functionality

- Versatile function options including Modbus, WiFi, and keycard compatibility to meet all your needs.
- Precise temperature control with an accuracy of ±1°C for consistent warmth.
- Power-off protection to securely save all your settings.
- Displays weather information and humidity levels.
- Programmable 5+1+1 weekly schedule with six adjustable time periods per day for green, energy-efficient operation—saving costs while promoting smart, eco-friendly living.
- Supports creating local product groups/sharing for unlimited centralized control and multi-terminal management.
- Seamless integration with Tmall Genie, Amazon Echo, and Google Home, enabling a full range of voice control options.

Dimensions (mm)

Whisper Controls Limited
Unit 21D Avenue Two, Station Lane Industrial Estate, Witney, Oxfordshire, OX28 4YG, United Kingdom.

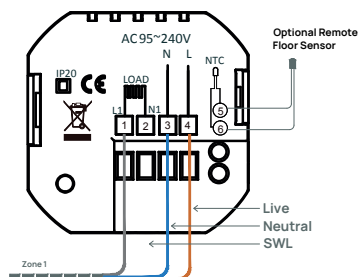Tel: +44 (0)1993 640073 whispercontrols.com

IM-WC-MU-200-Sept24-V1.0

Before Wiring and Installation

- Carefully read these instructions; failure to do so may result in product damage or create a hazardous situation.
- Verify that the ratings in the instructions and on the product match your application to ensure compatibility.
- Installation should be performed by a trained and experienced service technician.
- Upon completing the installation, test the product's operation according to the provided instructions.

⚠ ### Caution

Electrical Shock or Equipment Damage Hazard:
There is a risk of electrical shock or short-circuiting equipment.
Disconnect the power supply before beginning installation.
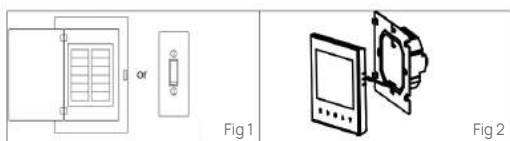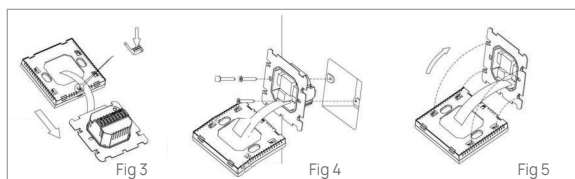
Wiring

Installation

Your thermostat is suitable for istallation within a standard 86mm square 35mm deep pattress.
Step 1. Keep power off. See Fig 1.
Step 2. Carefully Remove the mounting plate by sliding the LED front panel upwards. See Fig 2.

Fig 1   Fig 2

Step 3. Carefully unplug the wiring harness to disconnect the front panel. (Fig 3.
Step 4. Connect power supply, load into the appropriate terminals.
(see "Wiring your thermostat" for details).
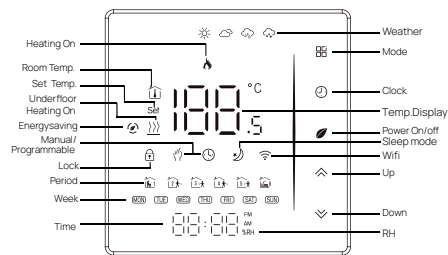Step 5. Fix the mounting plate into the wall recessed back box with screws in the box. Do not overtighten. Fig 4.

Fig 3   Fig 4   Fig 5

Step 5. Carefully reconnect the fascia plate with the wiring harness , take note of the orientation of the plug fitting. Fig 5.
Step 7. Carefully replace the mounting plate by sliding the LED front panel downwards, the fascia will click into place. Do not bend the fixing lugs on the mounting brackets. Fig 6.
Step 6. Installation complete. Fig 7.

DO NOT Remove or replace the fascia plate whilst the power is on, this will damage the LED display and void the warranty.

Fig 6   Fig 7

Home Screen Quick Reference

Note: The weather and humidity will be synchronized within 1 hour after the device is connected to the Internet for the first time, and the weather will be synchronized every hour thereafter. Press the ⌃/⌄ in the power-on state to display the humidity and set temperature.

Operation

Note: Before changing thermostat brightness (Menu C&D) please set the correct time.

During Power On
1. **Power On/Off:** Press 🍃 the Powerleaf to turn the thermostat on/off.

2. **Function & Programmable**
Touch ▦ to change between manual mode and programme mode.
In manual mode, 🖐 will show on the display,
In programmable mode, 🕐 will show on the display.

3. **Setting Temperature**
In the programming mode, the temperature setting and time setting will be locked. To make adjustments, the user must first switch the thermostat to manual mode by pressing the ▦ key.
In manual mode, press ⌃/⌄ to set the desired temperature.

4. **Adjusting/Setting the Clock**
Press 🕐 to set minute, hour and weekday. By using the ⌃/⌄ .
Press 🕐 once more to confirm and exit.

5. **Locking the Thermostat**
Press and hold ⌃/⌄ for 5 seconds to lock/unlock your thermostat. In item 3 of advanced settings, you can choose either full lock or half lock.

6. **Adjusting/setting the Program Schedules**
When Wi-Fi connection is made, your thermostat will automatically accept the program schedule made via the APP on your device.
If the schedule is set through the APP, after the APP completes the schedule setting, the thermostat needs to be turned off once. If the thermostat does not establish a Wi-Fi connection, manually set the schedule see below for detailed instructions: To set the program schedules throughyour thermostat (NOT via your smartphone/tablet) simply follow theinstructions as below:

Please note: Setting the programme schedule through your thermostat can only be carried out if there is no WiFi connection between yourthermostat and smartphone/tablet.

Press icon 🕐 four times in a row. You will see "MON TUE WED FRI" and 🏠 THU , and the minutes are flashing.
Use ⌃/⌄ to set the minutes;
Press the 🕐 icon again to make the hour display flash. Set the hour using ⌃/⌄.
Press the 🕐 icon again, the temperature setting will flash, set the temperature using ⌃/⌄.
This completes the setting of period 1.

In the same way, complete the settings of periods 2, 3, 4 and 5 (display periods 1, 2), 5 (display periods 3, 4).
Press the 🕐 icon once more to enter the Saturday schedule settings (SAT will show in the upper left corner of the screen).
Repeat the above process to set the period and temp. and Sunday schedule.
Press the 🕐 icon once more to confirm and exit.

Default settings for program schedule

Time display	MON-FRI (1-5 on screen)		SAT (6 on screen)		SUN (7 on screen)	
	Time	Temp.	Time	Temp.	Time	Temp.
Period 1	06:00	20°C	06:00	20°C	06:00	20°C
Period 2	08:00	15°C	08:00	20°C	08:00	20°C
Period 3	11:30	15°C	11:30	20°C	11:30	20°C
Period 4	13:30	15°C	13:30	20°C	13:30	20°C
Period 5 (1+2)	17:00	22°C	17:00	20°C	17:00	20°C
Period 6 (3+4)	22:00	15°C	22:00	15°C	22:00	15°C

A separate schedule may be set for weekdays (Mon – Fri) and for weekends (Sat or Sun).

7. **Checking the Temperature of Floor Sensor**
   Press and hold the ⌄ arrow for 5 seconds to display the temp. of floor sensor.
   If there is no external external sensor, "err" will be displayed.

8. **Setting the Functions and Options**
   During Power Off, press and hold ⊞ and ⏱ for 8 sec. in the order to reach
   system function. Then press ⊞ to scroll through the available functions , and
   use the ⌃/⌄ arrows to change the available options. All settings are confirmed
   automatically.

Code	Function	Setting and options		Default
1	Temperature compensation	-9 to 9 °C (for internal sensor)		-3
2	Deadzone Temperature	1-5°C		1
3	Button Locking	00:All buttons are locked except power button. 01:All buttons are locked.		01
4	Sensor type	In:Internal Sensor (temp. control) Ou:External Sensor (temp control) AL:Internal/External Sensor (Int. sensor - temp control ext.l sensor - limit the temp.)		AL
5	Min.Set Temp.	5-15°C		5
6	Max.Set Temp.	15-45°C		35
7	Display Mode	00 : Display both set and room temp. 01 : Display set temp. only		00
8	Low temperature protection setting.	0-10°C		0
9	High temperature protection setting.	25-70°C		45
A	Economy Mode	00: Non-energy saving Mode 01: Energy saving mode		0
B	Economy Temp.	0-30°C		20
C	Day display (6:00-22:00)	0-8	When set to 0, the device will run for 10 seconds after inactivity. The screen will go off with no display.	1
D	Night display (22:00-6:00)	0-8		1
E	Reset	00: No factory reset; 01: Factory reset		0
F	Version number			U2

About Wi-fi

Wi-Fi Connection

Before using your Wi-Fi thermostat for the first time, you must configure the
Wi-Fi signal and settings through your smartphone or tablet. This will allow
communication between your connected devices.

Download your App
Search for "Smartlife" in Apple Store or Google Play or use a browser to scan the QR
code below, and complete account registration and installation according to the
guidance of the App.

Fig. 1.1   Fig. 1.2   Fig. 1.3

Connect the thermostat
Method 1: Scan the QR code to configure the network guide (Fig 2.1-Fig 2.3).

Fig. 2.1   Fig. 2.2
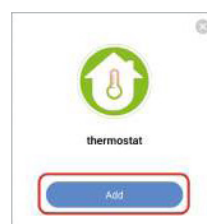

Fig. 2.3

does not work

Method 2: Ordinary distribution network guidance (Fig. 2. 1 & Fig. 2.3.1)

Fig. 2.1   Fig. 2.3.1

Network Distribution Mode:

EZ Mode
When the thermostat is off, press and hold ⌄ until the thermostat screen flashes
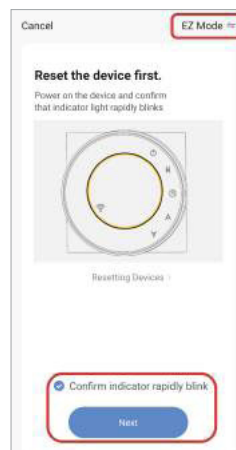quickly and displays the 🛜 icon, and then operate according to the following figure
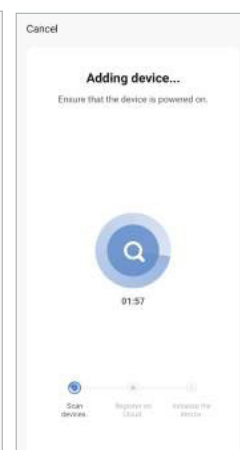(Fig 2.4-Fig 2.7).

Fig. 2.4   Fig. 2.5   Fig. 2.6
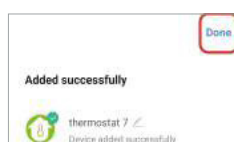

Fig. 2.7

AP Mode

When the thermostat is off, press and hold ⌄ until the thermostat screen flashes slowly and the ◉ icon is displayed (if the 🛜 icon appears, continue to press the ⌄ until the thermostat screen flashes slowly and displays the ◉ icon), and then operate according to the following figure (Fig 2.8-Fig 2.14).
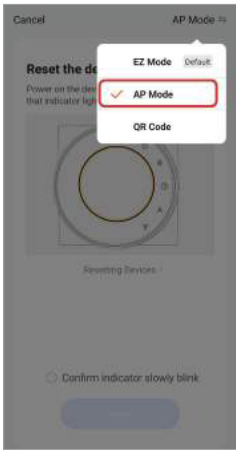

Fig. 2.8   Fig. 2.9

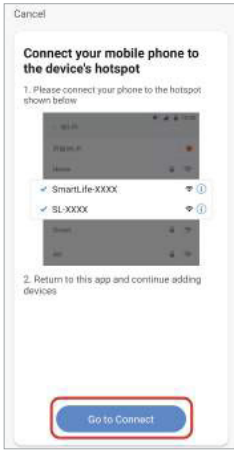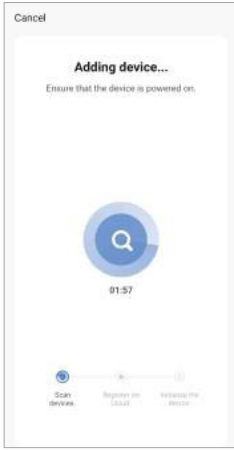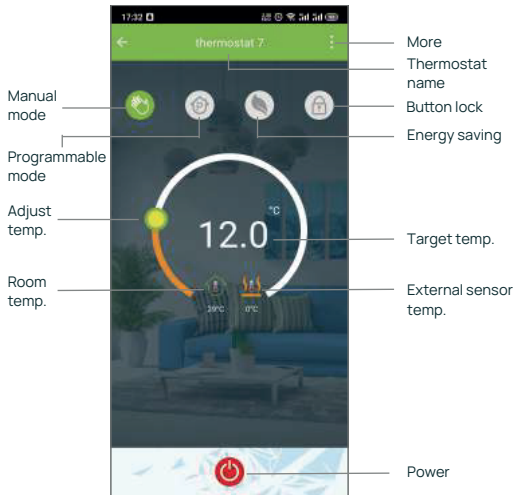Fig. 2.10   Fig. 2.11

Fig. 2.12   Fig. 2.13
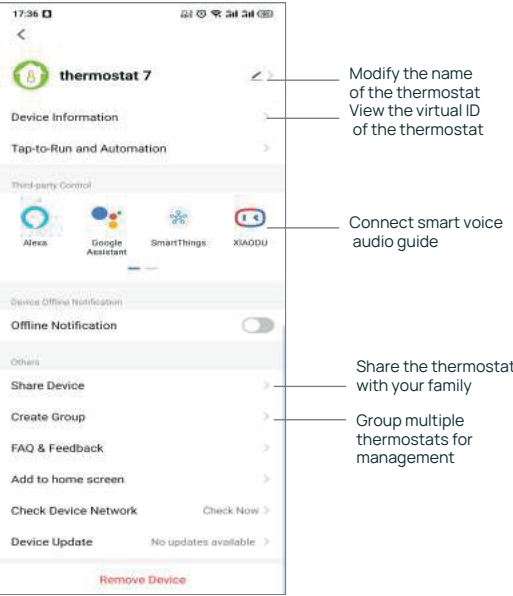
After connecting to this hotspot, return to the "smartlife" App.

App operation interface description (heating thermostat)

- More
- Thermostat name
- Button lock
- Energy saving
- Manual mode
- Programmable mode
- Adjust temp.
- Room temp.
- Target temp.
- External sensor temp.
- Power

More settings

- Modify the name of the thermostat
- View the virtual ID of the thermostat
- Connect smart voice audio guide
- Share the thermostat with your family
- Group multiple thermostats for management

Simple Exception Handling

Code	Issue	Handling
1	Power is on but without display.	Check if the terminals between LCD panel and Power Unit Box are loose
2	Without output but display works.	Replace LC panel or Power Unit Box
3	Room Temp. display is different from actual temp.	Do temperature calibration in item 1 of high senior options

Service

Your thermostat comes with a 24-month warranty from the date of purchase. Service outside the warranty period may incur a charge. For more details, please contact us directly.