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APPLICATION

This thermostat range has been developed to control electric underfloor or water heating or water/gas boiler system. These units are designed for use in commercial, industrial, civil, and domestic properties.
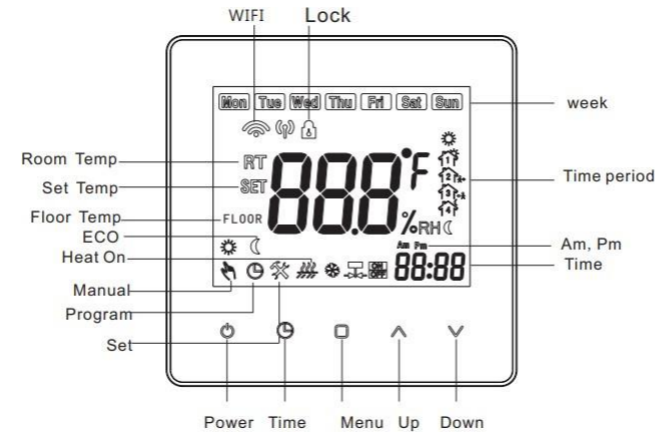
FEATURES

- Simple installation
- Acrylic face plate
- Large, backlit display
- Sleek, contemporary design
- Elegant chrome frame
- Feather touch control panel
- 5+1+1 six period per day programming
- Simple, one-touch temperature control override. Pre-set temperatures maintained within +/- 1°C Internal and external sensors allow control of
- both air and/or floor temperatures
- Suitable for installation in a standard single back box.
- WIFI/ZIGBEE/MODBUS communication optional

TECHNICAL INFORMATION

Sensor：NTC

Accuracy：±1℃

Power Consumption：< 1.5W

Timing Error：<1%

Power Supply：95 ~ 240VAC, 50 ~60Hz

Current Load：5A（water heating, water/gas boiler), 16A（electric heating)

Shell material：PC+ABS (flame retardant) Dimension：86x86x13.3mm

Ambient Temp.：0-45℃，5-95%RH （Non-condensing）

Storage Temp.：-5-55℃

Installation Hole distance: 60mm

LCD DISPLAY REFERENCE

WIFI Lock

Room Temp
Set Temp
Floor Temp
ECO
Heat On
Manual
Program
Set

week
Time period
Am, Pm
Time

Power Time Menu Up Down

QUICK FUNCTIONS

Press this button to power on/off your thermostat.

Time setting: Press button to set min/hour/day.

Manual/program setting.

Manual mode: Press ☐ to select ✋ manual mode. When you are on manual mode ✋ will show in bottom left corner. Press ∧ ∨ to select desired temperature.

Program mode: Press ☐ to select ⏲ program mode. When you are on program mode ⏲ will show in bottom left corner. Press ☐ for 5 seconds to activate program set mode. Press ☐ to set the desired (5+1+1) six periods time and temp. When you have set your time and temp period press ⏻ to save and return to home screen.

Temporary mode: During program mode. If you need to change the temp. The icons ✋ ⏲ will appear. The pre-program setting will return in the next period.

Child Lock set: Press and hold the ∧ ∨ button for 5 seconds to lock/unlock your thermostat.

Factory re-set: Press ☐ button for 5 seconds to enter program mode. Press and hold ∧ ∨ for 5 seconds. When the 'def' flashes on the screen your thermostat has been re-set to factory settings.

CONFIGURATION MENU

Turn off the stat ⏻ Press ☐ button for 5 seconds to enter configuration menu. During this menu, short press ☐ change parameters. Press ⏻ to confirm the setting.

No.	Function	Press ∧∨ to set	Defaul
1	Calibration	−9℃ to 9℃	0℃
2	Dead Zone	1℃ to 5℃	1℃
3	Lock	0:Unlock 1:All buttons will lock except the Power button	1
4	Sensor Selection	IN: = control temperature using the internal sensor OU:=control temperature using external senor ALL:= Both inner and external sensor	ALL
5	Minimum temperature setting	5℃ to 15℃	5℃
6	Maximum temperature setting	15℃ to 45℃	35℃
7	Display Mode	00:Display room temp and set temp 01:Display set temp only	0
8	Standby Backlight	0-100	10
9	High temperature protection setting	25℃-70℃	45℃
A	Anti-freez tempreature range	2~10℃	5℃
B	Anti-Freez protection	0:Off 1:ON	0
C	ECO mode	0:Off 1:ON	0
D	ECO Temp set range	5℃ to 30℃	16℃
E	Backlight selection	1-100	80

Note:Water heating&Gas boiler heating item4 select IN Electric heating item4 select ALL

DIMENSIONS

63mm
47.5mm
86mm
86mm
49mm
14mm
RT 26.5 °C
8:30
49.5mm
60mm

PROGRAM SETTING

When power is on, press ☐ for 5 seconds to enter programmable mode. Press ☐ to change the different items. Press ∧ ∨ to set the relative values.

The order is Minute → Hour → Temperature → Minute timing-on → Hour timing-on→ Minute timing-off→ Hour timing-off→ Temperature adjusting.
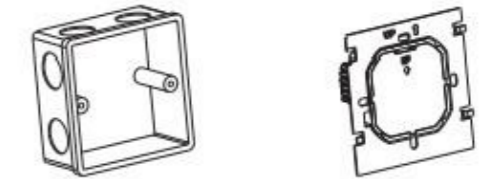
("Mon-Fri","Sat","Sun", is "5+1+1" programmable mode, every mode has two times zones and a time temperature setting)

	Time display	Weekday(MON-FRI)		Weekend(Saturday)		Weekend(Sunday)	
		Time	Set Temp	Time	Set Temp	Time	Set Temp
☀	Period 1	6:00	22℃	6:00	22℃	6:00	22℃
🏠	Period 2	8:00	16℃	8:00	16℃	8:00	16℃
🏠	Period 3	12:00	22℃	12:00	22℃	12:00	22℃
🏠	Period 4	14:00	16℃	14:00	16℃	14:00	16℃
🏠	Period 5	18:00	22℃	18:00	22℃	18:00	22℃
🌙	Period 6	22:00	16℃	22:00	16℃	22:00	16℃

INSTALLATION

Your thermostat is suitable for installation within a standard 86mm pattress box or European 60mm round pattress box.

1. Keep power off.Remove the mounting Plate.

2. Connect power supply, load and external (floor) sensor into the appropriate terminals if there is external sensor. (see "Wiring your thermostat" for details and Fix the mounting plate into the wall with screws in the box.

3. Fasten body of thermostat and the mounting plate through the groove.Installation complete.

RISK OF ELECTRICAL SHOCK. Disconnect/isolate power supply prior to making electrical connections. Contact with high voltage components can cause electrical shock, severe injury or death.

WIFI CONNECTION & APP

To help with pairing your device for the first time, we recommend having your phone close to the router or modem

search "Smart Life" or "Tuya" Smart in your, or scan the QR code below

Open "Smart Life" app. Follow registration instruction

Through the app, you can control the devices with voice control by integrating amazon echo or google assistant. The app arrives with an easy to use interface with elegant features. As a result, using the app is extremely straightforward. One of the notable things about the app is you can control the appliances of your home from another part of the world.

The app also allows you to add and control a variety of devices at once. You can also let the device to automatically start or stop based on the location, time, and temperature. It also allows you to share the control of the devices amongst the family members. It also includes a real-time safety feature that will enable you to ensure the protection in case if anything went wrong.
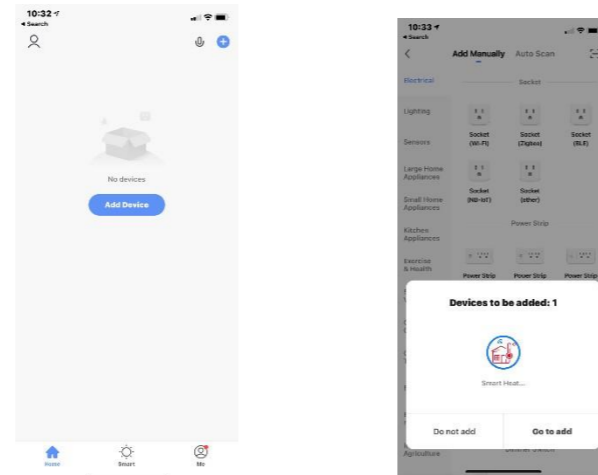
How to use the Smart Life App

Smart Life will only work with the devices developed by the app manufacturer. Start with installing the app on your device. Then open the application and register for an account. Then the app will automatically detect your country code. In case it does not detect, you will require entering the code manually. Then you will need to enter your phone number or email address. There will be a verification code sent that you will require entering for confirming the registration.
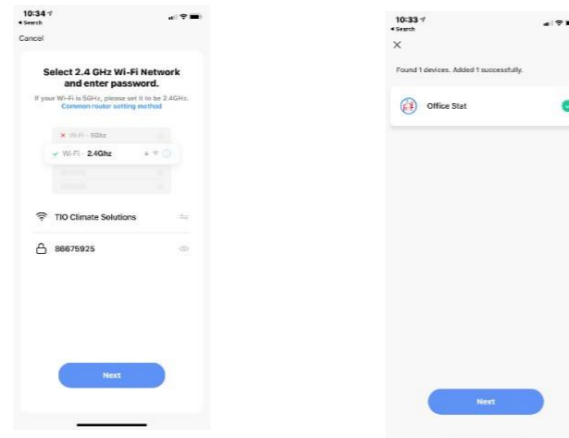
Then click on the plus icon in the top right of the app to add a device. The app should automatically pair with the devices. In case you see a message that says failed to add, then it means the connection is not paired. You will require pairing with the app manually. After successfully pairing with the application, you can set the name of the device. Now you will be able to control the devices from your app interface.

CONNECT TO WIFI – EASY PAIR

1. **Once your thermostat is installed and turned on it will automatically search for a device to pair with. The Wi-Fi symbol will repeatedly flash to indicate it is searching.**

2.**Open Smart Life app**   3.**Hold phone near Thermostat. Device will appear on screen.**
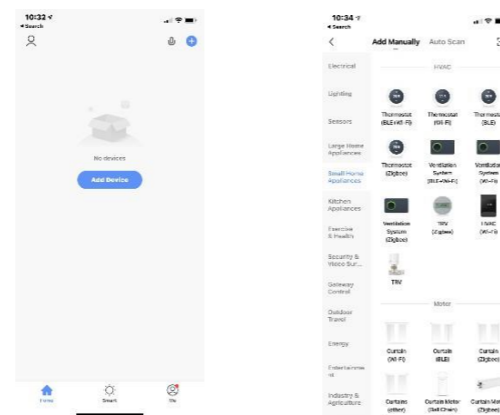
4. **Press 'Go to add'. App will instruct you to select Wi-Fi router and password.**   5. **When WI-FI is connected the device will be paired.**
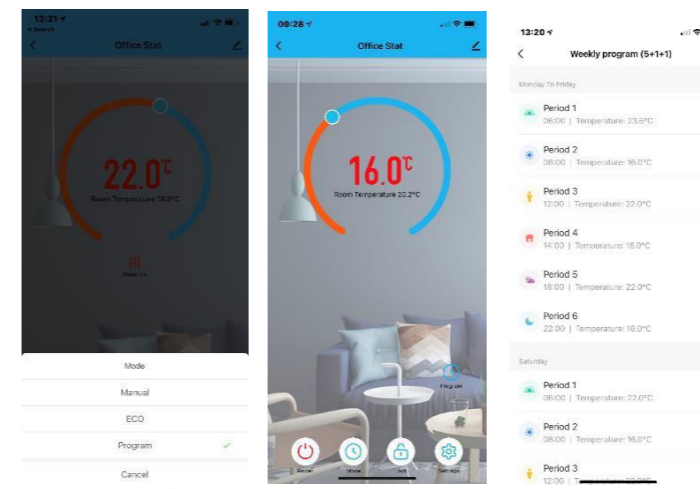
CONNECT TO WIFI - MANUAL PAIR

3.**Open Smart Life app select 'Add Device' or '+' sign.**   4. **Select 'Small Home Appliances' and find 'Thermostat (wi-fi)'**

THEN FOLLOW STEPS 4-5 OF QUICK PAIR GUIDANCE

APP FEATURES

Power: On/Off Red = Power ON, Blue = Power OFF

Mode: You can select between; Manual, ECO or Program mode

Manual Mode: In this setting you can change the temperature manually

Eco Mode: In this mode your thermostat will run at 16 °C. The temperature cannot be changed whilst in eco mode.

Program Mode: In this mode you can program your thermostat. Click Program mode the select program on the landing page to enter the program page.
During program mode you can set your desired time periods and temperatures for
- (Mon-Fri + Sat + Sun) = (5+1+1)
- 6 time periods per day.

You also have the option to re-name time periods. Once you have selected your desired; times, temperatures and name press save in top left corner

Lock/Unlock your thermostat. Red = Locked Blue = unlocked

Settings: In Settings you are able to;
Temperature Compensation: You can manually configure/calibrate your thermostat temperature
Frost Protection: Turn on/off frost protection
Factory data reset: This will re-set all data and programs to factory default settings

Third party access – voice control. To connect with Amazon Alexa or Google Assistance

In settings, select in the top right corner or On the app home page to access third party control settings.

Select your desired Smart 3rd party device and follow the on-screen instructions.