

Zigbee Smart Pilot Wire Radiators Thermostat

PILOT WIRE

POWER METER

OFF

ECO

COMFORT

COMFORT-1(Green)

COMFORT-2(blue)

FROST PROTECTION

WIFI (Zigbee)

Program Light

Regulations

Thank you for purchasing our product. Our products comply with the following regulations:

- CE conformity (RED, EMC).
- RoHS conformity.

Compatible device types

Device type compatible operation can be achieved through the DIP switch located as shown in the figure, details as follows:

4M: 4 modes pilot wire electrical radiators
6M: 6 modes pilot wire electrical radiators

Standard Accessories

Pilot heating module x1
Screw pack x2

Product Overview

Light indicator:

- Network indicator Light
- OFF Light
- Protection Light
- Eco Light
- Comfort Light
- Program Light

MODE button
WIFI button
Temperature sensor
Power cable

Product Introduction:
The device can control your 4 or 6 modes pilot wire electrical radiators products.

- The app can directly display eco-watt warning information.
- Comply with regulatory requirements.
- Excellent ZigBee technology, easy for install and network.

SET button:
Press and hold the wifi button for 5 seconds to initiate the network configuration.

MODE button:

- Short press mode button to switch among 4 standard modes;
- APP can set up child lock.

Light Indicator

mode	Light status	Output mode
Standard (Supports switching device)	ON	Comfort
	ON	ECO
	ON	Frost Protection
	ON	OFF
Weekly programming	ON, Flash	Comfort
	ON, Flash	ECO
	ON, Flash	Frost Protection
Manual	ON, Flash	Comfort
	ON, Flash	OFF

Table Interpretation:
Standard mode means 4 modes: OFF/Comfort /ECO /Frost Protection mode, which can be switched on the device.

Dimensions(mm)

Installation

***CAUTION:**
Please cut off the general power supply before any operation.

1. **Unscrew the Recessed Wall Socket**
Locate the recessed wall socket where your electric radiator is plugged into, it is often behind the radiator.

2. **Wiring**
After unscrewing the screws, insert the screwdriver into the Bottom crack to loosen the front cover of the device.

Study the electrical installation of your connector.
***Wire color code:**

- Live (red or brown)
- Neutral (blue or gray)
- Pilot wire (black)

Wall side | Electric radiator wires

3. Verify Electric Radiator Connections Safely
Before pairing the device with the app, ensure that it communicates effectively with the radiator.

Please follow the steps below:

- Turn on the power.
- Activate the pilot wire mode on the thermostat of the electric radiator. (The pilot wire mode is often represented by the design of a clock, a house, the word "PRGM" or the word "AUTO", which refers to your radiator's user manual).

3. Increase the temperature on your thermostat to the maximum, your radiator will start to heat.

4. Press the MODE button on the device. With each press, your radiator will change its heating rate.

5. Switch to OFF mode on the device, if the radiator stops heating, this confirms that the device is communicating well with the radiator.

4. Mount the Device to the Wall

***CAUTION:**
Please cut off the general power supply again for rest of steps.

Take out the screws that come with the package, pass them through the screw holes at both sides of the device, and mount the device to the wall.

APP Remote control And Voice Control

Smart Speaker | Cloud server | Wi-Fi Router | ZigBee Gateway | Smartphone | Pilot Module

1. Software Installation

1. Download the APP Search for "Tuya" in App market or scan below QR Code to download.

2. Registration or Log in

Enter the Register/Login interface; tap "Register" to create an account by entering your phone number to get verification code and "Set password". Choose "Log in" if you already have an account.

3. Add gateway

Power on the Zigbee gateway. After 10 seconds, the "red light" of the gateway will start flashing, which means the gateway enters the network configuration state.

Enter the "Home" interface of the APP, click "+" in the upper right corner, select "Add Device". The system will automatically search and find the device, and then click "Add".

Select 2.4G Wi-Fi and enter the password, click "Next". Wait for a while until the device is added successfully, then click "Done" to finish the installation.

***Attention:** Please turn on the Bluetooth and WiFi of your phone in advance. And ensure that the smartphone OS allows the Smart Life APP to access the Bluetooth function.

4. Add device
press and hold the button for 5 seconds to initiate the network configuration, " " is flashing.

***Attention:** The gateway must be added before adding the device. The device must be added in the page of gateway.

Enter the gateway interface, select "zigbee device list", click "Add Device". Wait for several seconds until the system automatically search and find device, and then click "Next".

Key Functions Guide

1. Switch Heating Mode

***Please Note:** The device's target temperature must align with the operational settings of the connected heating device.

Comfort mode

- This mode is used when using the room. In this mode, the radiator heats and maintains the temperature you have selected as the setpoint.
- You can choose submode (Comfort -1°C, Comfort -2°C) on APP.

ECO mode

This mode is used when you are not using the room. This mode saves energy by lowering the temperature 3.5°C below the setpoint. It can avoid unnecessary energy consumption when switch back to Comfort mode again.

*** Frost Protection mode**

This mode is used in cold regions to prevent pipes from freezing. It keeps the radiator at a stable temperature of 7°C.

OFF mode

This mode is used when the radiator is not in use (e.g. in summer). In OFF mode, the device will control the radiator to standby state.

Programming mode

- This mode supports setting one program every 60 minutes, 24 programs per day, 7 days a week.
- You can only choose this mode on APP. Please refer to the APP user guide for default programming settings.

Display of temperature controller APP interface

Thermostat mode

- This mode will automatically adjust the temperature to the target value set by the user. For this purpose, please change radiator work in Comfort mode, and set the temperature on radiator to max. value (recommend 40°C). Temperature adjustment range (5~40).
- You can only choose this mode on APP.

2. Child Lock

- You can only activate child lock on APP. The child lock is effective only on the device, the device can still be operated on APP.

3. Window Detection

- Once the window detection is enabled, the device will automatically detect open windows and switch to Frost Protection mode. This mode lasts for 30 minutes, and will return to the previous mode when the period ends.
- The open window state will automatically exit after the device is powered off.
- When the device is in the open window state, Short press the mode button and switching to OFF will exit the window state. Other working modes will keep the window open for detection.
- You can only enable window detection on APP.

4. Power Off Memory

- The device will retain the current working mode, and it will resume previous mode when it is powered on again after power outage.
- The device will maintain a record of power consumption, ensuring that any previously saved power usage data is not reset or cleared during a power outage.

FAQ

- Q: How does the device communicate in the event of an internet disruption, and where are instructions stored?
A: In the event of an internet disruption, the mobile app, gateway, and the device communicate via Zigbee and Wi-Fi networks in LAN mode, which is essentially local area network communication. All programmed settings, corresponding modes, and temperature settings are stored within the Flash memory of the MCU chip on the device.
- Q: Is the temperature sensor built-in or remote?
A: The temperature sensor is built-in, where the device's MCU chip samples the sensor data through its built-in ADC module and calculates the data to the corresponding temperature values.