

device function

1. segment code screen with backlight, touch button control
2. Support Wi-Fi networking (excluding WiFi module)
3. Support RF communication
3. Support control OT type or switch type wall hanging furnace
4. Can be controlled by APP, control heating anytime and anywhere
5. Three working modes: timed, manual and standby
6. Timed mode supports 7 days, 6 programming cycles per day
7. Desktop installation, touch button operation
8. Automatic anti-freeze protection to prevent freezing of heating system pipes



1 Thermostat

Set temp range	5~35°C
Accuracy	±1.5°C
Display temp range	5~99°C
Ambient temp	0~55°C
Ambient humidity	5~95% RH(Non-condensing)
Storage temp	-5~55°C
Sensor	NTC
Control protocol	OT or On/Off
RF frequency	868.0~868.7MHz (Open transmission distance 100m)
RF transmitting power	≤25mW
Voltage	2*1.5V AAA/3V
Rated power	< 200mW
Size	∅ 96 *30mm (Backpack 36mm)
Housing material	ABS+PC
IP	IP 20
Display	Segment code screen with backlight
Buttons	Touch keys



2 Gateway

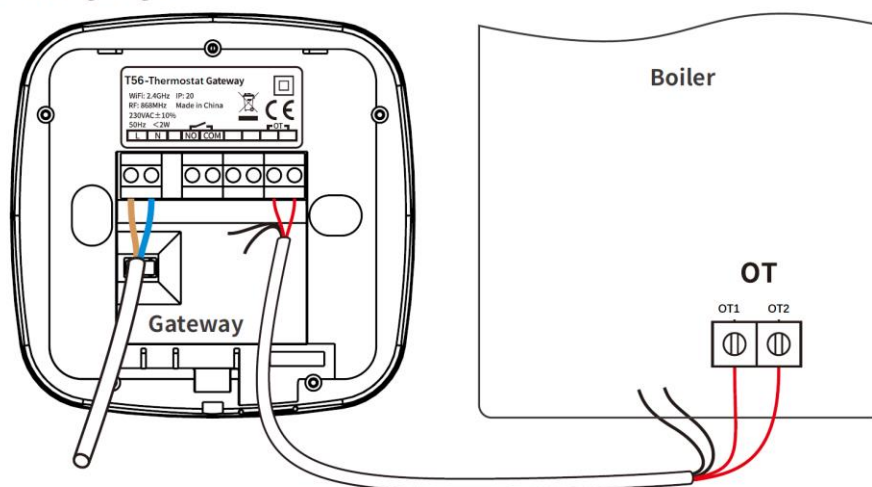
Ambient temp.	0~45°C
Ambient humidity	5~95% RH(Non condensing)
Storage temp.	-5~55°C
Control protocol	Opentherm® or On/Off
Wi-Fi frequency range	2.4~2.5GHz
Wi-Fi transmitting power	25mW (72.2Mbps) ; 100mW (802.11b Mode)
RF frequency	868.0~868.7MHz (100m in open air)
RF transmitting power	≤25mW
Power supply	230VAC±10%, 50Hz
Power consumption	<2W
Relay load	0.5A, 125VAC; 2A, 30VDC
Size	110×110×31.5(mm)
Housing material	PC
Protection class	IP 20
Display	LED lamp
Buttons	Mechanical buttons

Tips The company has the right to change the contents of this manual without notifying the user. This behavior will not affect the user.

installation instructions

1. Cut off the power supply of the boiler.
2. Open the shell of the boiler controller and find the OT or On/Off terminal on the main controller board. (Read the user manual of the boiler for details).
3. Choose OT or On/Off function, then find the right wire according to the label. The red wire is for OT, the black is for On/Off.
4. Connect the two wires to the boiler terminal according to OT and On/Off function in any order; Separate another group of wire and the wire must be away from internal components of boilers. Last, install the shell of boiler.

OT Boiler Wiring Diagram



ON/OFF Boiler Wiring Diagram

