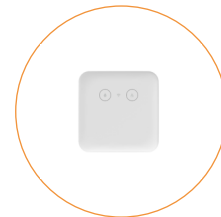


Products

– Comfort / Thermostat

PCT512-z ZigBee thermostat (EU)



Description

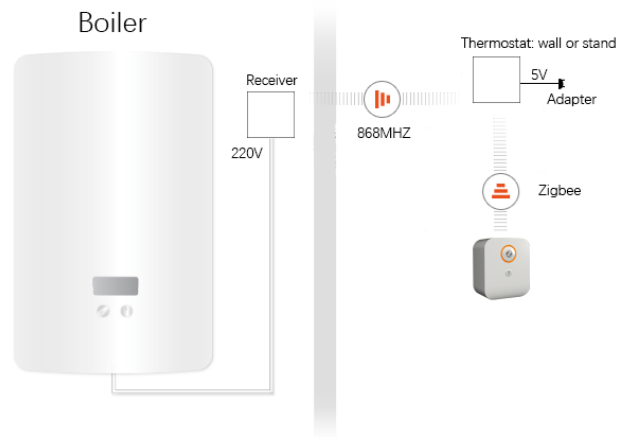
The Zigbee thermostat (EU) makes it easier and smarter to control your household temperature and hot water status. You can replace wired thermostat or connect wirelessly to the boiler through receiver. It will maintain the right temperature and hot water status to save energy when you at home or away.

Main Features

- Thermostat with ZigBee 3.0
- 4-inch Full-color touch screen thermostat
- Real-time Temperature and Humidity measurement
- Temperature, Hot Water management
- Customized boost time for heating and hot water
- Heating/Hot water 7-day programming schedule
- Away control
- 868Mhz stable communication between thermostat and receiver
- Heating/hot water boost manually on receiver
- Freeze protection

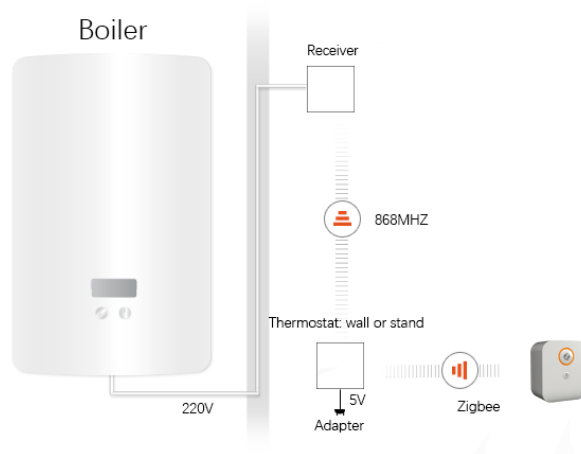
Scenario for installation

1. When there is no reserved wiring come form the boiler in the wall



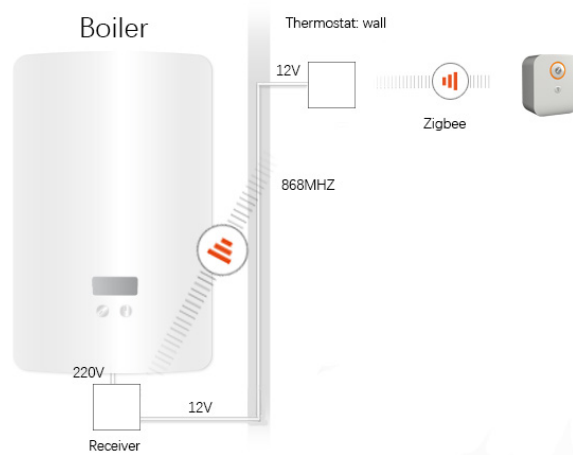
The thermostat control wirelessly the boiler through the receiver.
The receiver directly connect to the boiler by wires.
The thermostat is powered by the adapter.

2. When there are reserved wirings come form the boiler in the wall



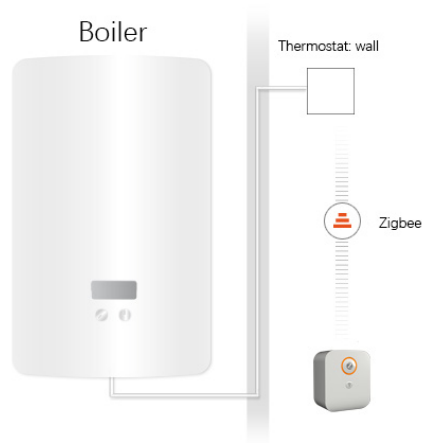
2.1

The thermostat control wirelessly the boiler through the receiver.
The receiver directly connect to the boiler by reserved wires.
The thermostat is powered by the adapter.



2.2

The thermostat control wirelessly the boiler through the receiver.
 The receiver directly connect to the boiler by wires.
 The thermostat is powered by the receiver through the reserved wirings.

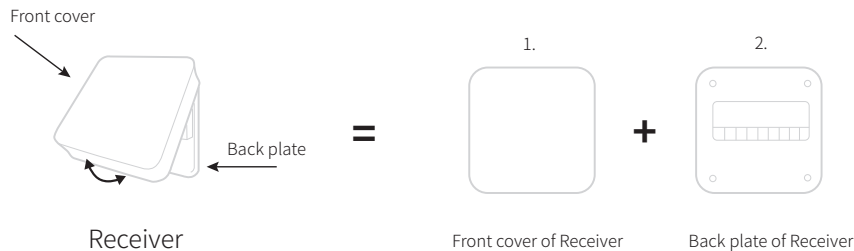


2.3

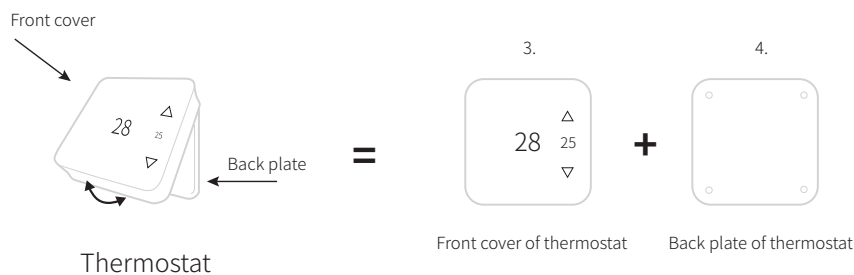
The thermostat control directly the boiler and get power supply through the reserved wirings.

Conformational design of the product:

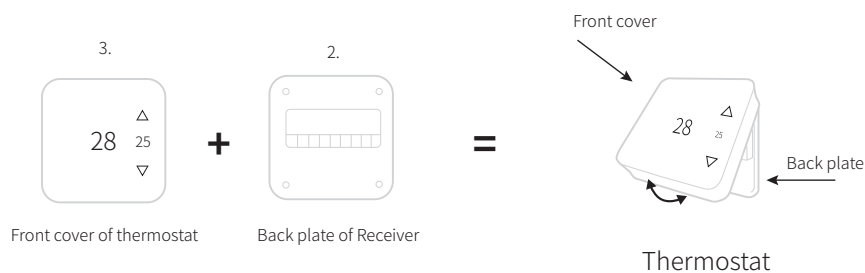
- In the standard scenario, the thermostat and receiver are used separately. It is suitable for scenario 1, 2.1, 2.2 installation.
- As for scenario 2.3 installation, you need to separate the front cover and back plate of the receiver.



Separate the front cover and back plate of the thermostat.



Then use the front cover of thermostat mounted on the back plate of the receiver. As shown in the picture below:



In this way, the thermostat can connect to directly and get power from the boiler.

Main Specifications

Thermostat:

Wireless Connectivity	
ZigBee	<ul style="list-style-type: none">• 2.4GHz IEEE 802.15.4
ZigBee Profile	<ul style="list-style-type: none">• ZigBee 3.0
RF Characteristics	<ul style="list-style-type: none">• Operating frequency: 2.4GHz• Internal PCB Antenna• Range outdoor/indoor: 100m / 30m (Open area)
Radio	<ul style="list-style-type: none">• 868Mhz
Physical Specifications	
LCD Screen	<ul style="list-style-type: none">• 4-inch Full-color touch screen
Operating Voltage	<ul style="list-style-type: none">• DC 5V• DC 12V
Operating Environment	<ul style="list-style-type: none">• Temperature: -20°C ~ +50°C• Humidity: up to 90% non- condensing
Temperature	<ul style="list-style-type: none">• Sensing Range: -40~125°C• Sensing Accuracy: ±1°C• Response Time: 10S
Humidity	<ul style="list-style-type: none">• Sensing Range: 0~100%• Sensing Accuracy: ±3% (20% ~80%)• Response Time: 10S
Dimensions	<ul style="list-style-type: none">• 104 (L) × 104 (W)× 21 (H) mm
Mounting Type	<ul style="list-style-type: none">• Wall mounting/Stand

Receiver:

Compatibility	
Compatible systems	<ul style="list-style-type: none">• 230V Combi boiler• Dry contact Combi boiler• System and heat-only boilers• Domestic hot water tanks
Wireless Connectivity	
Radio	<ul style="list-style-type: none">• 868Mhz

Physical Specifications	
Operating Voltage	• 100~240VAC
Output	• 12V 1A
Relay	• 10A
LED	• 2-color LED (Red, Green)
Dimension	• 109 (L) × 109 (W)× 28 (H) mm
Mounting Type	• Wall Mounting