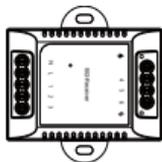
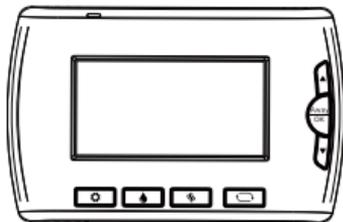


PCT502 Smart Thermostat (EU)

Quick Start Guide

1 Introduction



The smart thermostat makes it easier to control your household temperature. You can schedule your thermostat working hours so it will work based on your plan. With a smart thermostat, you will be able to remotely control the temperature anytime through your mobile phone.

This guide will provide you with an overview of the product and will help you get through the initial setup.

In the box

PCT502 smart thermostat

Heat receiver

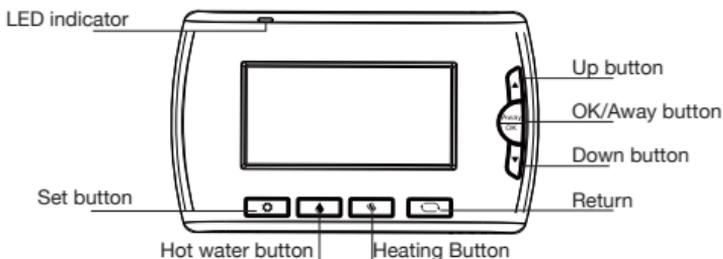
Installation guide

User guide

Wire labels

Screws

2 Get to know your device



Return button

- **Return.** Return to main interface.
- **Time & Date.** Press to show time & date on the main interface.

Heating button

- **Heating mode.** Press to switch among OFF, follow schedule, boost and manual mode.
- **Right button.** Use as a right button in the setting pages.

Hot water button

- **Hot water mode.** Press to switch among following schedule, boost, always ON and always OFF mode.
- **Left button.** Use as a left button in the setting pages.

LED status

The LED status gives the following information:

LED status	What it means
Flashing in Red	Device has not joined a network.
Flashing in Green	Device joined a network, heat receiver not connected
No light	Device working properly

Set button

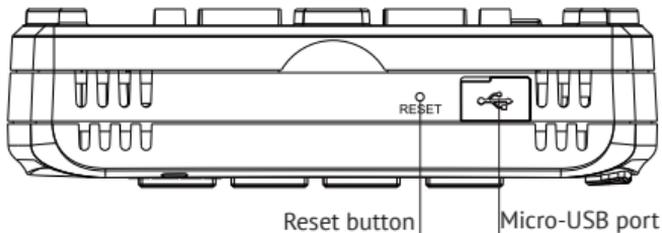
- **Page switch.** Press to switch from different pages.

OK/Away button

- **Working mode.** Press to switch among following schedule and away mode.
- **Confirm changes.** Press to select.

Up/Down button

- **Change value.** Press the up/down button to change the selected value.



Reset button

- **Restart thermostat.** Use a pin to press the reset button to restart the thermostat.

Micro-USB port

- **Debugging.** For developer only.

3 Get started

Note: Follow the *Installation Guide* to install the thermostat first.

3.1 To get started, you will need:

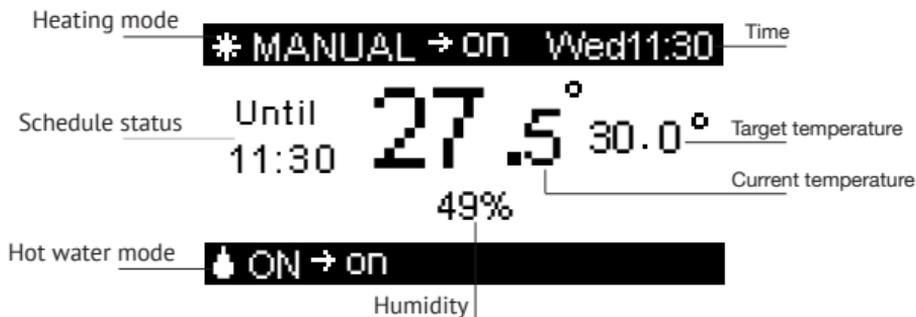
A SEG-X3 Gateway.

The mobile app.

3.2 Connect to the gateway's network

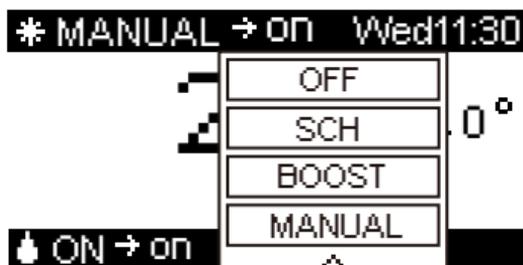
1. Set your gateway to permit joining.
2. The LED indicator of both thermostat and heat receiver will flash in red indicating they are ready to join the gateway's network.
3. The thermostat and heat receiver will join the gateway's network automatically and the LED indicator will both flash in green indicating they have successfully joined the gateway.
4. Then the thermostat and the heat receiver will automatically bind with each other, the LED indicator of the heat receiver will become steady and the LED indicator of the thermostat will leave when they are successfully bound.
5. Now the network setup is done, you can use your mobile app to schedule your desired temperature for any time period. Hope you will enjoy the PCT502.

3.3 Overview



Press the Heating and the Hot water button to set system working mode:

• Heating



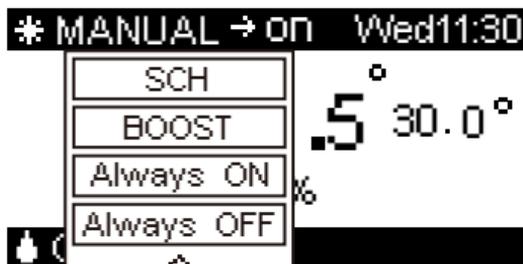
OFF. Turn off Heating.

SCH. Follow schedule.

BOOST. Boost heating until next schedule period.

MANUAL. Manual set the Heating temperature.

• Hot water



SCH. Follow schedule.

BOOST. Boost until next schedule period.

Always ON. Always turn on hot water heating.

Always OFF. Always turn off hot water heating.

Setting pages

Press the Set button to switch between the setting pages, use the Hot water/ Heating button to select the functions and use the Up/Down button to change the selected value.

- **Time Zone Setup.** Change time zone setting.
- **Automatic date & Time.** Check the system time and date.
- **Display Format.** To change the format of clock/temperature.
- **Brightness Setup.** To change the brightness of the LED screen.
- **Heating Setup.** Set the Boiler type: System boiler (with hot water)/Combi boiler (without hot water), and Heat source type: Gas, Electric, Oil.
- **Schedule Setup.** To change the schedule setting.
- **Away Setting.** To set the target temperature when you are away.
- **Device info.** check the ZigBee version, the software version and MAC address.
- **Reset.** Reset the Heating schedule/Hot water schedule/Network/All setting.

4 Technical specifications

Thermostat

SOC Embedded Platform	<ul style="list-style-type: none">• CPU: ARM Cortex-M3
Wireless Connectivity	<ul style="list-style-type: none">• ZigBee 2.4GHz• IEEE 802.15.4
RF Characteristics	<ul style="list-style-type: none">• Operating frequency: 2.4GHz• Internal PCB Antenna• Range outdoor/indoor: 100m / 30m
ZigBee Profile	<ul style="list-style-type: none">• Home Automation Profile
Data Interfaces	<ul style="list-style-type: none">• UART (Mini USB port)
Power Supply	<ul style="list-style-type: none">• AC 24V• Rated power consumption: 1W
Built-in Li-ion Battery	<ul style="list-style-type: none">• 500 mAh
LCD Screen	<ul style="list-style-type: none">• 3" LCD• 128 x 64 pixels
Thermostat	<ul style="list-style-type: none">• Y-PLAN /S-PLAN Central Heating (Hot Water not supported)• Combi-boiler
Dimensions	<ul style="list-style-type: none">• 120 (L) x 22 (W) x 76 (H) mm
Weight	<ul style="list-style-type: none">• 186 g
Mounting Type	<ul style="list-style-type: none">• Wall Mounting• Stand

Heat receiver

Wireless Connectivity	<ul style="list-style-type: none">• ZigBee 2.4GHz IEEE 802.15.4
Power input	<ul style="list-style-type: none">• 100-240 Vac
Size	<ul style="list-style-type: none">• 64 x 45 x 15 (L) mm

5 Safety Notice

WARNING: Failure to follow these safety notices could result in fire, electric shock, other injuries, or damage to the Smart Thermostat and other property. Read all the safety notices below before using the Smart Thermostat.

- Avoid high humidity or extreme temperatures.
- Avoid long exposure to direct sunlight or strong ultraviolet light.
- Do not drop or expose the unit to intense vibration.
- Do not disassemble or try to repair the unit on yourself.
- Do not expose the unit or its accessories to flammable liquids, gases or other explosives.