

Smart Thermostat

PCT501-HA

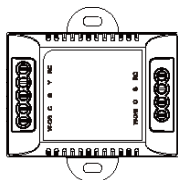
Installation Guide

1 In the box

PCT501 smart thermostat



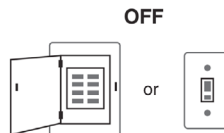
Wiring Module SWB511 (Optional)



2 Installation

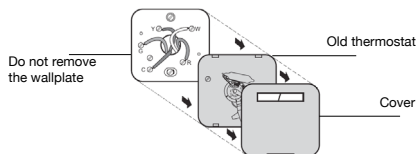
1. Switch off your HVAC system

Before you started, please switch off your HVAC system. Adjust the temperature in your old thermostat to double check the system is off.



2. Remove the Old Thermostat

Remove the old thermostat but leave the wallplate with wires attached.

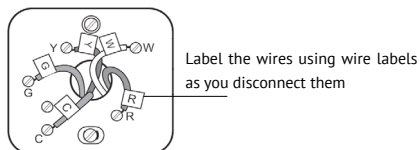


3. Check the old system

The PCT501 is designed for 24VAC with a 2A maximum current. If you find a thick wire with wire nuts, or if your old system is using 120V or higher voltage, it will not be compatible with PCT501.

4. Label the Wires with Tags

Use the tags provided to label the wires to help you remember.



Terminal designation:

Terminals	What it means
RC	24VAC power from Cooling transformer
R	24VAC power from Heating transformer
W	Heat relay
Y	Compressor contractor
G	Fan relay
C*	24VAC common
K	Wiring Module Connection

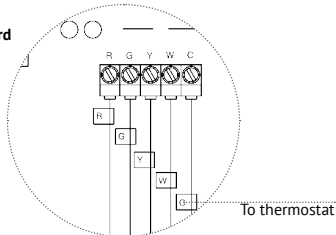
Note: If you have the C-wire, skip the step 5 and go to step 6 directly, if you don't have the C-wire, go to step 5.

5. Install the Wiring Module (Optional)

The C-wire provides power to the smart thermostat, if you don't have a C-wire in your old system, you need to install the wiring module to use the exiting wires to power your thermostat.

1. Find the control board of your HVAC system, use the tags provided to label the wires from the control board to the thermostat.

Control board

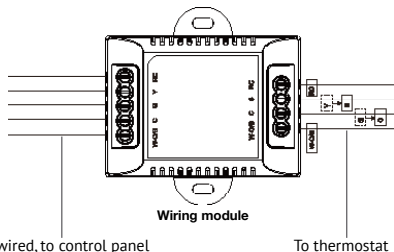


2. Disconnect the R/RC, W-O/B, Y, G wires from the control board and reconnect them correspondingly to the side (4 terminals) of the wiring module.

For Y-wire and G-wire, you can connect the Y-wire to S-terminal, G-wire to C terminal, then change the label of the Y-wire to the S-wire, the G-wire to the C-wire.

Note: Take a picture for reference.

3. Generally the control board will have R, G, Y, W, C terminals, connect the pre-wired side of the wiring module (5 terminals) to the corresponding terminals.



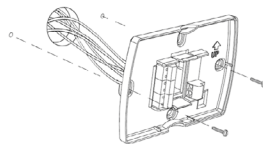
4. Put back your control board.

6. Remove the old thermostat base

Unscrewing the old thermostat base from the wall, gently pull it out and ensure the wires does not fall back into the hole.

7. Attach the PCT501 base to the wall

Bundle and insert the wires through the hole to the base of the PCT501, then attach the base to the wall with the screws.



8. Connect Wires

Connect the wires to the corresponding terminals on the base. If you have installed a wiring module in step 5, use the picture to help you recall the wires.

9. Attach the PCT501 to the base

Gently push the PCT501 to the base until it clicks.

10. Power on your system

Congratulations, you can now power on your system and start using your new smart thermostat.