

WIFI Programmable Room Thermostat

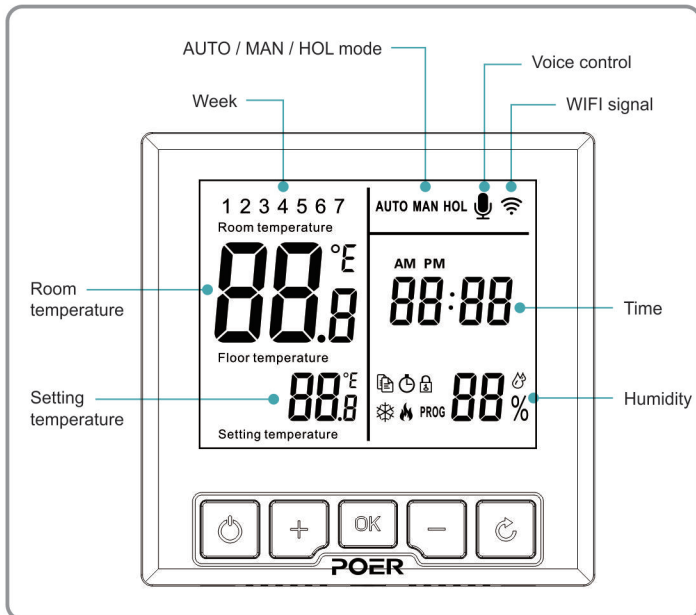
Model No.: PTC26

1. Overview

The WIFI programmable room thermostat is mainly used to control electric floor heating system, electric radiators and other high-power equipment. It can also be used to control a variety of valves and actuators.

This thermostat is a programmable room thermostat 5+2 Days / 7 Days/1 day product. 5+2 days allows you to set a program for weekdays and a program for the weekend. 7 days allows you to set a same program for every day of the week. 1 day functionality allows you to set a different program for every day of the week. Each program type allows you to set 12 time and temperature events.

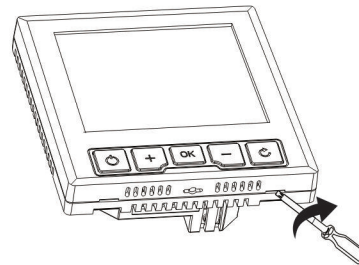
Controls and Display Layout



2. Installation

2.1 Installation of PTC26

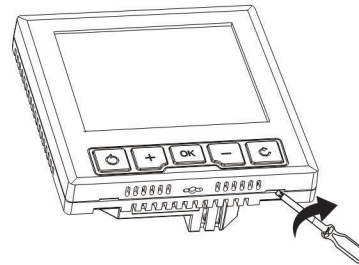
Follow the installation diagrams to install and connect the PTC26 correctly. This thermostat is adapted to 86mm hidden box and 60mm European box.



Note

1. The installation and wiring should be operated by trained personal.
2. The PTC26 needs a 100~240V AC mains supply to operate, and this should be fused appropriately (16A max.).
3. The PTC26 should be mounted in a location where it will not come into contact with water, moisture or condensation.

- (1) Use a flat-blade screwdriver to open the front cover of the thermostat from snap hole at the bottom.
- (2) Wiring the terminal correctly, then fasten the screws.
- (3) Secure the thermostat back cover to the junction box with 2 screws.
- (4) Close the front cover.



2.2 Wiring receiver PTC26

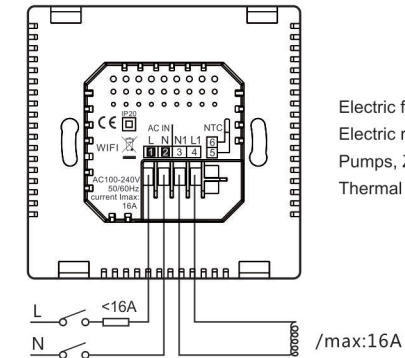


Note

1. Install in accordance with local wiring regulations.
2. The wiring should be operated by trained personnel.
3. Observe ambient temperature and current limits (see product data sheet).
4. These wiring diagrams must be referenced and combined with the corresponding instructions provided by the actual equipment manufacturer.
5. Lancable accepts no liability for any loss or damage arising from any errors or omissions that may be inadvertently contained within these diagrams. They are proposal diagrams only, not certified wiring diagrams.

An external sensor can be selected as a temperature acquisition sensor in the system settings. The sensor parameters are as follows:

Sensing element	Resistance tolerance	Material constant
NTC (10KΩ)	±1%	β=3950



Electric floor heating system,
Electric radiators,
Pumps, Zone valve,
Thermal actuator (normally open)

3. System settings

3.1 Thermostat WIFI settings

- (1) Scan the QR code below or search "poersmart" in Google play or APP store to download and install it. After installation, register the account as required.
- (2) Add the thermostat PTC26 as prompted on the APP under registered account.



4. Thermostat operation

4.1 Time setting

Follow the installation diagrams to install and connect the PTC26 correctly. This thermostat is adapted to 86mm hidden box and 60mm European box.

- (1) Enter Menu Selection by long pressing **OK**, select **+** **-** until there is a flashing **⌚**, then enter Clock Setting by pressing **OK**.
- (2) Firstly set Year after entering Clock Setting, when **yr** appeared on Temperature Area, press **+** **-** to select current year and press **OK** to set.
- (3) When **mm** appeared on Temperature Area, press **+** **-** to select current month and press **OK** to set.
- (4) When **dy** appeared on Temperature Area, press **+** **-** to select current date and press **OK** to set.
- (5) When clock setting is flashing on Time Area, press **+** **-** to select current time and press **OK** to confirm.
- (6) Back to the last setting menu by pressing **⏮**.

4.2 Pre-set Program

This thermostat comes with the following default settings pre-programed for your convenience:

Working days' pre-set program

Event	1	2	3	4	5	6	7
Time	00:00	6:30	8:30	12:00	14:00	16:30	22:30
Temperature	7	20	16	16	16	21	7

Weekend's pre-set program (Sat., Sun.)

Event	1	2	3	4	5	6	7
Time	00:00	7:00	9:00	12:00	14:00	16:30	23:30
Temperature	7	20	18	21	18	21	7

4.3 To adjust the pre-set program

After adding the device, please operate it in the programming function of the app. For offline operation, please scan the QR code to view it.



4.4 AUTO mode

In AUTO mode, if you want to temporarily adjust the current temperature value, you can change the current temperature setting by operating the control panel.

(1) Under AUTO mode, enter Override mode by pressing **+** or **-** . **AUTO MAN** appeared on upper right when changing the setting., if you want to temporarily adjust the current temperature value, you can change the current temperature setting by operating the control panel.

(2) The current programming period is recorded when entering the override mode, and the end time of the override mode is the programming end time of the period.

4.5 Temperature manually

Manual Mode-to set a constant room temperature manually.

Switch between AUTO and Manual Mode by pressing **OK** ; Adjust required temperature under MAN mode by pressing **+** or **-** . Setting temperature display to the bottom left of the display.

4.6 Holiday Mode

(1) Make a holiday plan, it will keep your room at the pre-set temperature until your return time is coming. The default temperature for Holiday Mode is 7°C, you also can change this default value in User Options or APP.

(2) Offline local setting holiday mode Please scan the QR code to view it.



4.7 ECO Mode

It is an quick access to energy saving but also maintain comfort. Under ECO Mode, the room will be always kept at a pre-set temperature unless you exit this mode. The default temperature is 9°C, you can change this default value in User Options or App.

(1) Enter ECO Mode by pressing **⏻** .

(2) Exit ECO Mode by pressing **⏻** .

4.8 OFF Mode (Frost Protection)

Under OFF Mode, your room's Frost Protection will be automatically turned on unless you exit the mode; The default temperature is 7°C, you can change this default value in User Options.

(1) Enter OFF Mode by long pressing **⏻** .

(2) Exit OFF Mode by pressing **⏻** .

4.9 Child Lock

To avoid wrong operation by child, this thermostat has Child Lock function; once started this function, there will be no reaction if short press on any button.

(1) Long press **OK** to enter Menu Selection, select by **+** **-** , confirm by pressing **OK** to enter Child Lock function when **🔒** is flashing.

(2) Cancel Child Mode by long pressing **OK** .

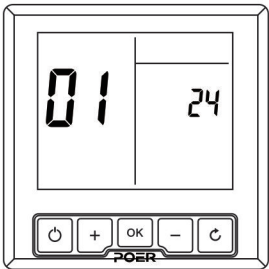
4.10 Turn off the display

Long press **⏻** and **⏻** simultaneous to turn off the display, Press **⏻** to turn on the display.

5. User Option

You may change user option after entering User option by Pressing **OK** when User option is flashing under Menu Selection.

(1) Under User Option, the option ID is showing on Temperature Area(screen left side), the Option Content is shown on Time Area(screen right side).



(2) Option ID is flashing under User Option(details to see User Options Table below) , press **+** **-** to scroll through selectable options, select the target Option ID by pressing **OK** ; then, adjust the User Option by pressing **+** **-** and set it down by pressing **OK** . Press **+** **-** to set other User Options.

(3) To cancel User Operation's setting, press **⏻** when Option Content flashing.

(4) To exit User Operation's setting, press **⏻** when Option ID flashing.

User Options Table

ID	Option Content	Min.	Max.	Default
1	Change 12h or 24h clock	12	24	24
2	Change to another pre-set program	1	3	1
4	Change temperature offset°C (0.5°C / step)	-10	10	0
5	Restore the factory Settings	OFF	ON	OFF
6	To disable Off function	OFF	ON	OFF
7	Frost Protection	OFF	ON	ON
8	Pre-set the lowest temperature	0	5	5
9	Pre-set the highest temperature	32	60	32
10	Pre-set the ECO temperature	5	32	9
11	Valve Protection(unit: min., if the valve has not been opened for 24hours, it will be automatically opened every 10:00am; "0" means no Valve Protection;)	0	5	0
12	Change degrees Celsius or Fahrenheit	C	F	C
13	Temperature sensor selection	I	E	I
14	External sensor maximum temperature limit	28	35	30
15	Resistance value of external sensor at 25°C	1KΩ	200KΩ	10KΩ
16	B value of external temperature sensor	1000	6000	3950
17	Change humidity offset	-30	30	0
18	PID control function	OFF	ON	OFF
19	PID control hysteresis adjustment	0.1	1.0	0.3(±0.3°C)
20	Temperature control hysteresis adjustment	0.1	1.0	0.3(±0.3°C)
21	Window opening function	OFF	ON	OFF
22	Window opening stop heating time	0	60	60(minute)
23	OFF mode target temperature range setting	Id8	Id9	5°C
Warning: User option 19, 20 substantial reduction in sensitivity may lead to frequent on and off heating, especially when using automatic PID control, in the worst case it may damage the heat source.				

Thermostat PTC26

Operating Temperature	0 ~ 50°C
Control mode	Heating system
Display	LCD with backlight
Temperature control range	5°C ~ 32°C (0.5°C/step)adjustable in user option from 0°C to60°C
Temperature control accuracy	±0.3°C/adjustable from ±0.1°C to ±1.0°C
Antifreeze temperature	5°C
Humidity range	10 to 90%RH
Humidity accuracy	±5%RH
Time display	12 hour/24 hour
Dimensions (HxWxD)	86 × 86 × 40.5mm
IP class	Ip20
Standard	CE
Power	2W
Power supply	100VAC ~ 240VAC, 50Hz
Switch rating	240VAC 50Hz, 16A
Switch type	SPDT relay