POER
smart controls

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Wireless WIFI thermostat

Model No.: PTC10 / PTR10

PTC10/PTR10 is a wireless, programmable thermostat set that is easy to install and use. It can be applied to any water heating control system, including gas boilers, electric boilers, central heating systems, air heating systems. Suitable for installing new system or updating existed system.

Working together with Receiver PTR10, it not only wirelessly switch the heating system On and Off, also change and program the room temperature.

Connected to Internet with Gateway PTG10, this thermostat PTC10 could be operated remotely via App by mobile phone, PC or pad; Without gateway, thermostat PTC10 could be used as a normal standard thermostat.

Integrated with Amazon Alexa and Google Home.

Humidity display, more concerned about your room environment.

High and low temperature alarm message push notification.

One PTR10 can connect two PTC10s for two independent zone control.

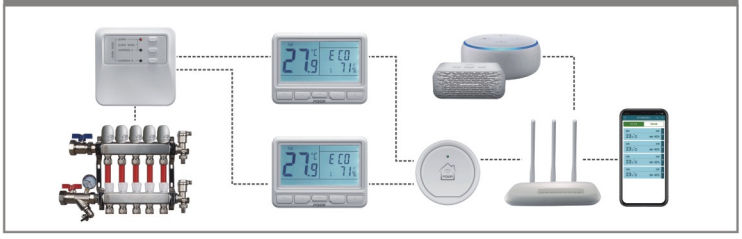
Gateway PTG10

As a bridge for smart homes, the gateway PTG10 provides an Internet access port for remote smart control of low-power smart products; it does not need a spare Ethernet port on the user's home router, just plug it into the socket next to the wireless router.

PTC10 Features:	
12 time periods per day, 5+2days/7days/1day independent programming for option	
Auto, manual, holiday, ECO and override modes	
Frost protection and Valve protection function	
Memory holds user programs when power failed	
Large LCD display with backlight	
Battery powered with low battery indicator	Child lock
Wall Mounted or Desk Stand to make sure the best location	

Connect to gas/electric boilers

Connect to electric actuators, zone valves and pumps



Thermostat

PTC10 / PTR16

1. Receiver PTR16 working together with thermostat PTC10, can wirelessly control high-power heating equipment like electric heating and infrared heating, etc; also can control low power AC devices like electric actuators, etc.
2. By connecting to the Internet through the gateway PTG10, the temperature controller PTC10 can be programed and adjusted the room temperature remotely by operating the app on the smartphone (supporting Android and IOS); without the gateway, the PTC10/PTR10 can still be used as a good performance energy-saving wireless thermostat set.
3. Integrated with Amazon Alexa and Google Home.
4. Humidity display, more concerned about your room environment.
5. High and low temperature alarm message push notification.
6. PTR16 can be connected to the external temperature sensor as a temperature limit function to prevent the floor from overheating damage.

Wireless WIFI thermostat PTC10

Operating Temperature	0 ~ 50°C
Control mode	Heating system
Display	LCD with backlight
Frequency	868MHz 433MHz for option, Bidirectional
Communication Range (open space)	100m
Power	2 × AA batteries
Temperature control range	7°C ~ 32°C (0.5°C/step)
Temperature control accuracy	+/-0.3°C
Measurement interval	30s
Antifreeze temperature	7°C
Humidity range	10 to 90%RH
Humidity accuracy	+/-5%RH
Time display	12 hour/ 24 hour
Dimensions (H x W x D)	117.2 × 87.2 × 26.6mm
IP class	IP30
Standard	CE

PTR10

Operating Temperature	0 ~ 50°C
Transmitting frequency	868MHz 433MHz for option, Bidirectional
Communication Range (open space)	100m
Power	2W
Power supply	100V ~ 240V, 50Hz
Switch rating	240VAC 50Hz, 5A
Switch Type	SPDT relay
Dimensions (H x W x D)	98.3 × 98.3 × 31.3mm
IP class	Ip30
Standard	CE

Gateway PTG10

Operating Temperature	0 to 50°C
Transmitting frequency	868MHz 433MHz for option, Bidirectional
Communication Range(open space)	100m
Power	1.5W
Power supply	100VAC ~ 240 VAC, 50Hz
Connectors	Internet via Wi-Fi (2.4G)
Dimensions	60.5 × Ø51 mm
IP class	IP30
Standard	CE

PTR16

Operating Temperature	0 ~50°C
Transmitting frequency	868MHz 433MHz for option, Bidirectional
Communication Range(open space)	100m
Power	<2W
Power supply	100VAC ~ 240VAC, 50Hz
Switch rating	240VAC 50Hz, 16A
Switch Type	SPDT relay
Dimensions (H x W x D)	100 × 85 × 32mm
IP class	IP30
Standard	CE

Technical specifications are subject to change without notice