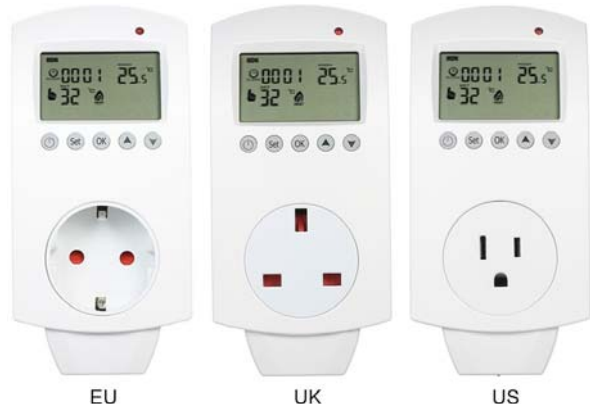# BD02-TP Programmable Plug In Thermostat

EU   UK   US

1.Product Instruction

BD02-TP is programmable plug in thermostat,it is used for controlling air conditioner,carbon crystal heating panel,electric heating oven,heater and so on cooling heating devices,it is used conveniently and beautiful structure.

2.Technical Data

Voltage:AC200~240V, 50HZ

Temperature Setting Range:5ºC - 35ºC

Load Current:16A(electric heating)

Self Consumption Power:<0.3W

Temperature Control Precision:±1ºC

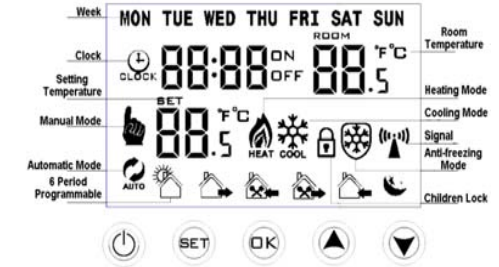Temperature Sensor:NTC

3.Button Function Instruction

NO.	symbols	Represent
1	⏻	Power On/Off
2	SET	Selection Setting:short press SET button to switch manual control/automatic control;long press SET button for 3 seconds to enter into set clock and timing power on/off.
3	OK	Confirm Button/Enter Button
4	▲	Increase Button
5	▼	Decrease Button
6	Indicator	Light on is power on,light off is power off.

4.Display And Function Instruction
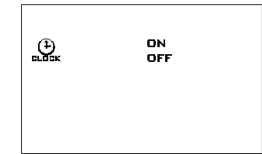
NO.	symbols	Explanation
1	AUTO	Automatic control mode:when automatic control,manual control "☝" will disappear
2	☝	Manual control mode:when manual control,automatic control "AUTO" will disappear
3	☝ AUTO	When automatic control,it need reset temperature,it can press "▲"or "▼" to adjust.Enter into temporary manual mode "☝" and "AUTO" flashing, when enter into next period "☝" will disappear,thermostat run to the period of setting previously.
4	HEAT	Heating mode:relay connect,it will display "🔥" Power off,anti-freezing function open,relay connect,it will display "🔥"
5	COOL	Cooling mode:relay connect,it will display "❄"
6	🕗🏠☀️🏠🏠🌙	6 periods programmable icon
7	ON OFF	Timing power on/off icon,it set time of power on/off:if press "▼" to set ON as 00:00,press "▼" to set OFF as 00:00,it will cancel timing power on/off.
8	ROOM 88.5 ºC	Room temperature
9	🔒	Children lock:no any operation for 10 minutes,buttons will lock automatically,Press down button "▼" for 3 seconds also can lock buttons,it will display lock icon on screen,unlock method:long press power button "▼" for 3 seconds then move your finger.
10	❄	Anti-freezing mode
11	CLOCK	Clock setting icon

5.Quick Instruction Of Operation Icon

6.Clock,timing power on/off setting.

Setting Screen

1) Clock Setting

Long press" SET " for 3 seconds then move your finger to enter into setting screen,short press" SET "to choose " CLOCK " icon(CLOCK flashing),press " OK " enter into clock setting,it displays minute,hour,week, press "▲" or "▼" to adjust value. Press " OK " to confirm and switch to next hour ,week setting,it is the same as minute setting.Press " OK " button to save all time setting and return to previous screen.

2) Timing Power On/Off Setting

Long press" SET " for 3 seconds then move your finger to enter into setting screen,short press" SET "to choose" ON "(ON flashing) to set time of timing power on;press "▲" or "▼" to adjust value.Press" OK " to choose" OFF " and set timing power off.Cancel timing power on/off:press "▼" to set ON as 00:00,press "▼" to set OFF as 00:00.It will quit automatically after setting finished 5 seconds,or press " OK " button return to

previous screen.

3) 6 Periods Programmable Setting

Mode	Explanation	Printscreen
Programmable Mode	Long press"⊙ₒₖ",screen displays🔆 🏠 🏠 🏠 🏠 🌙(it means cycle control),screen displays "MON TUE WED THU FRI" (it means Monday to Friday periods).See picture at right:first period flashing,press "▲" or "▼ "to adjust setting temperature,press "⊙ₒₖ" to adjust clock,press "⊙ₒₖ"to next period setting,same like this to finish 6 periods setting,then press "⊙ₒₖ", screen displays "🔆　　　　🌙"and "SAT SUN" (Saturday and Sunday),set it as per previous method,it will save and quit after setting finished 5 seconds.	MON TUE WED THU FRI 06:00 SET 20 ℃ 🔆🏠🏠🏠🏠🌙 SAT SUN 06:00 SET 20 ℃ 🔆　　🌙

Note1.the usage of temporary manual mode:

When thermostat is in period control,such as current time is 16:00,thermostat will set corresponding room temperature(factory setting is 15ºC) as per current period(factory setting afternoon going out period is 12:30-17:30),if current day you end work 1 hour earlier,(16:30 is 1 hour earlier than 17:30),you can press increase/decrease button temporarily to modify temperature to the temperature you wanted(such as 20ºC),then the thermostat will keep the room temperature in 20ºC until next period,no any operation,thermostat will run the setting temperature (thermostat default 20ºC) automatically of afternoon entering room period(17:30-22:00) at 17:30.

4) Factory default periods programmable

Period		Icon	Default Time	Default Temperature
Working Day	1	🔆	06:00	20℃
	2	🏠➡	08:00	15℃
	3	🏠⬅	11:30	15℃
	4	🏠➡	12:30	15℃
	5	🏠⬅	17:30	20℃
	6	🌙	22:00	15℃
Weekend	1	🔆	08:00	20℃
	2	🌙	23:00	15℃

7.Advanced Setting(Suggest To Operate By Professional People)

Under power on state,press "▲" for 3 seconds then move your finger,enter into advanced setting,then press"⊙ₛₑₜ "to choose one option,press"▲" or "▼"to adjust value.To press"⊙ₛₑₜ " to next option.It will save setting and quit after setting finished 5 seconds.

No.	Display	Setting Option	Data Setting Function	Factory Default Setting
1	A1	Version No.	10:Celsius Degree	10:ºC
2	A2	External Sensors Limit Temperature Control Return Difference	1-9ºC	2ºC
3	A3	Setting Temperature Highest Limit	20-70ºC	35ºC
4	A4	Setting Temperature Lowest Limit	1-10ºC	5ºC
5	A5	Measuring Temperature Calibration	±5ºC	0.5ºC Accuracy Calibration
6	A6	Anti-freezing Function	00:Anti-freezing function close 01:Anti-freezing function open	00:Anti-freezing function close
7	A7	Power On Memory Function	0:Power On Memory Function 1:No Power On Memory Function	0:No Power On Memory Function
8	A8	Working Mode	00:Cooling Mode 01:Heating Mode	01:Heating Mode
9	A9	Programmable And Non-programmable	00:Programmable 01:Non-programmable	00:Programmable
10	A0	Factory Setting	88:it just display,no any meaning 00:Return to factory setting	88:it just display,no any meaning