

PLUG-IN ROOM TEMPERATURE CONTROLLER

Model HY02TP

Thank you for choosing **THERMOSTAT**. This programmable electronic temperature controller will provide you with comfortable home environment and will help you to save energy.

QUICK START-UP GUIDE:

Plug THERMOSTAT into power point. Press Power button once – a display showing current ROOM temperature and SET temperature will come up. By pressing Up or Down buttons select your desired SET temperature. Plug your heater into Heatermate. If child lock is activated press/hold Down button for 3 seconds then release to unlock.

BUTTONS EXPLAINED:

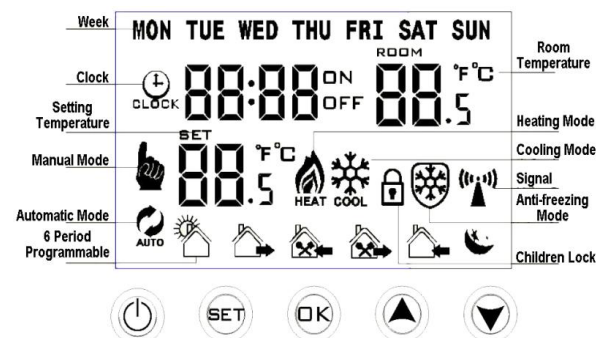
NO.	symbols	Represent
1		Power ON/OFF
2		Short press to switch between manual and automatic control Press/hold for 3 seconds then release to enter into set clock and timer mode.
3		Press to Enter/Confirm
4		Increase (Up) Button
5		Decrease (Down) Button
6	Indicator	Light is ON -- power to heater is ON; light is OFF -- power to heater is OFF.

DISPLAY SYMBOLS EXPLAINED:

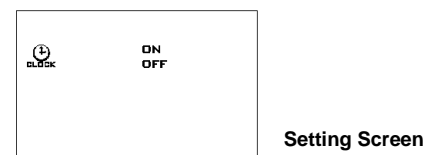
NO.	symbols	Explanation
1		Automatic control mode (manual control "👉" is not showing)
2		Manual control mode (automatic control "👉" is not showing)
3		Heating mode; "🔥" is displayed when power to heater is ON
4		Cooling mode; "❄️" is displayed when power to air conditioner or fan is ON

5		6 periods programmable icon
8		Room temperature
9		Child lock: activated automatically after 10 minutes of inactivity. Press/hold Down button "👇" for 3 seconds then release to unlock. Repeat the same procedure to lock.
10		Ventilation mode – turns heater off for a period of time during room ventilation (opening windows) when room temperature drops below a specified temperature.
11		Clock setting icon

DISPLAY OVERVIEW:



SETTING UP CLOCK AND TIMER:



1) Clock Setting

Press/hold "SET" for 3 seconds then release to enter into setting screen (as above) - "CLOCK" icon is flashing. Press "OK" to enter into clock setting mode which displays minute, hour and day of the week. Minute is flashing. Press "▲" or "▼" to adjust value. Press "OK" to confirm and switch to hour and day of the week. Press "▲" or "▼" to adjust their values. Press "OK" button to save all clock settings and return to previous screen.

2) Timer Setting

Press/hold "SET" for 3 seconds then release to enter into setting screen. Press "OK" to choose "ON" ("ON" will flash) to set time of timer switch ON time. Press "▲" or "▼" to adjust value. Press "OK" to choose "OFF" and set timer switch OFF time. Press "OK" to save. To cancel timer function press "👇" to set both "ON" and "OFF" times to 00:00.

3) Weekly Programming

Mode	Explanation	Screen
Programmable Mode	Press/hold “OK” for 3 seconds then release - screen will display (6 periods for every week day) and week days: “MON TUE WED THU FRI”. First period will be flashing - press “▲” or “▼” to adjust temperature setting temperature then press “OK” to adjust time setting. Press “OK” to go to the next period and so on for all 6 periods for week days. Now press “OK” to go to weekend programming with 2 periods for “SAT SUN” and set temperatures and times in the same way as for week days. . Press “OK” when finished. Please refer to the table below for default values for different periods.	

4) Factory programmed periods and settings

Period	Icon	Default Time	Default Temperature
Working Day		06:00	20°C
		08:00	15°C
		11:30	15°C
		12:30	15°C
		17:30	20°C
		22:00	15°C
Weekend		08:00	20°C
		23:00	15°C

NB: Temporary Manual Mode

When in programmable mode, you can still adjust the temperature for the current period, if required. For example, for the period 4 on weekday (12:30-17:30), if you return from work 1 hour earlier (16:30) than usual (17:30), you can press Up/Down buttons to temporarily change the temperature (e.g. to 20°C). The thermostat will then keep the room temperature at 20°C until the next period (17:30-22:00) when it will revert to the usual programmed values.

7. Other Functions and Factory Settings

This section shows how to customize the thermostat settings for your specific application. This includes changing from Heating to Cooling mode, adjusting the temperature sensor (to make it consistent with your other thermometer or baby monitor), changing the temperature differential to activate your heater (i.e. adjusting how frequently your heater comes ON and OFF) and some others – please refer to the table below.

Press/hold “▲” for 3 seconds then release to enter into advanced settings mode, then press “SET” to choose the required option. Press “▲” or “▼” to adjust value. Press “SET” to save and move to the next option.

No.	Display	Setting Option	Data Setting Function	Factory Default Setting
1	A1	Room Ventilation Function	5-25°C; 5-60min	Disabled (- - °C)
2	A2	Temperature Differential to Activate Heater	1-9°C	2°C
3	A3	Temperature Setting - Highest Limit	20-70°C	35°C
4	A4	Temperature Setting - Lowest Limit	1-10°C	5°C
5	A5	Temperature Sensor Calibration	±5°C	0.5°C Factory Calibration
6	A6	Anti-freezing Function – turns heater ON when temperature is below 5°C	00:Anti-freezing function OFF 01:Anti-freezing function ON	00:Anti-freezing function OFF
7	A7	Resume operation after power disconnection	1:Resume operation after power disconnection 0:Stay turned OFF after power disconnection	1:Resume operation after power disconnection
8	A8	Operational Mode	00:Cooling Mode 01:Heating Mode	01:Heating Mode
9	A9	Programmable or Non-programmable	00:Programmable 01:Non-programmable	00:Programmable
10	A0	Return to Factory Settings	88:Don't return to Factory Settings 00:Return to Factory Settings	N/A

TECHNICAL SPECIFICATIONS:

Operating Voltage: 240V , 50HZ

Max Load: 16A, 3500W (resistive)

Temperature Measurement Precision:±1°C

Temperature Setting Range:1°C - 70°C

Self-consumption Power:<0.3W

Temperature Sensor: NTC

NB: Suitable for use with heaters and air conditioners which automatically restart after power reconnection

WARRANTY: This product comes with 2 years manufacturer warranty – please contact your place of purchase for warranty replacement.