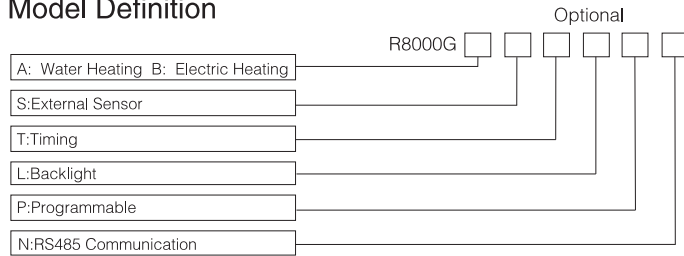


Introduction

General

R8000 Series Touch Screen Heating Thermostats, taking use of world-advanced microcomputer control function, are used to control room temperature by internal or external precision sensor and compare it with the set-point, then open/close motorized valve or heating equipment so as to automatically keep the room temperature stable in the water, electric or wall mounted heating system. It could set six time periods and relative temperature and choose the control way by manual or temporary manual. Checking room temperature and heating equipment temperature at the same time, when the heating equipment temperature is higher than the room temperature, thermostat stops heating automatically to protect the heating equipment, when the heating equipment temperature is lower than the room temperature, thermostat opens the heater to lengthen its life.

Model Definition

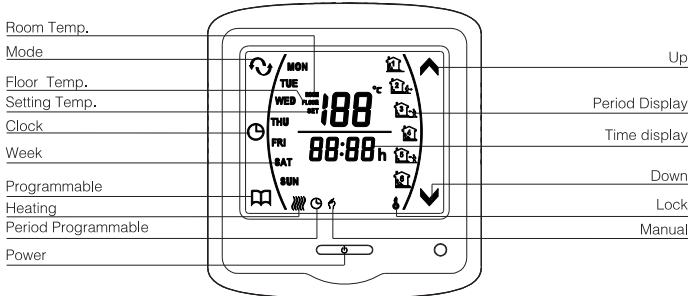


Technical Data

Power Consumption: <1.5W
Set-point Range: 5~35°C
Accuracy: ± 1°C
Timing Error: <1%

Load Current: GA: 2A GB: 16A
Size: 94mmx87mmx44mm (L x W x H)
Power Supply: 100~240VAC, 50/60Hz

Function And Display



- : Manual control
According to the temperature set by manual, users could get rid of programmable completely. Press "M" for changeover.
- : Period programmable control
Week programmable circle. Users could set six periods and the opposite temperature everyday so that thermostat could work according to the set. Press "M" for changeover.
- : Changeover the period programmable to manual control. When next period is coming, changeover into period control.
- : During locking, press "∧" and "∨" for 5 sec. at the same time to lock/unlock the panel.
- : On heating. When it is flicking, the heater will cut off the load over the limited max. temperature. During power off, it will flick if open the antifreezing protection.

FLOOR : Display floor temperature only when dual temperature dual controlling. Press and hold "∧" for 3 sec, it returns to the previous display after loosing the buttons 3 sec.

: ring power on, LCD display opens and the thermostat will run according to the present working mode: Manual, programmable or temporary manual. During power off, LCD display closes and the thermostat will save the working mode and setting parameter.

Mode. Manual and programmable Changeover. When communicating, this button is "∅" Time. Press "∅" for a short time to adjust the time. order: Minutes adjusting → Hours adjusting → Week adjusting → Return to Original Mode. Press "∅" changeover into week programmable mode.

programmable. Press "■" for 3 seconds into week programmable mode. Adjusting order: Monday ~ Friday first time zone time adjusting > Monday ~ Friday first time zone setpoint adjusting > ... > Saturday and Sunday sixth or fourth time zone time adjusting > Saturday and Sunday sixth or fourth time zone setpoint adjusting. When finishing the parameter setting, press "■" changeover into next. There is twinkle to show the detail. Then press "∧ ∨" to begin the adjusting. (15 min. /time)

- "∧" : Temperature down or setting
- "∨" : Temperature up or setting

Return function: After power off for 20 sec., press , , and for 5 sec. at the same time, then all icons n LCD Screen will display. And week programmable and high senior setting will return to the factory set.

Hour program and the factory set

- : Period 1, morning get up
- : Period 2, morning out
- : Period 3, noon home
- : Period 4, noon out
- : Period 5, night home
- : Period 6, night sleeping

Time display	Weekday (Mon-Fri)		Weekend (Mon-Fri)	
	time	temperature	time	temperature
	06:00 get up	20°C	06:00 get up	20°C
	08:00 work	15°C	08:00 out	20°C
	11:30 afternoon rest	15°C	11:30 afternoon rest	20°C
	13:30 work	15°C	13:30 out	20°C
	17:00 off work	22°C	17:00 go homek	20°C
	22:00 rest	15°C	22:00 rest	15°C

Senior parameter option

During power off, press "∅" and "∅" for 5 sec. into Senior option setting. It includes temperature correction, sensor option, low temperature protection, overheating protection, weekend option, locking setting, Weekend setting, IP High address and Low address of 485 communication. Then press "∅" changeover into the relative item. At last, confirm it and turn on automatically.

Code	Option	"∨" OR "∧"
1.	Temperature compensation in internal sensor	-9°C ~ +9°C
2.	Deadzone Temperature	1~5°C. When the set temperature is equal to or more than room temperature is equal to or more than the set temperature plus deadzone temperature, heating equipment closes.
3.	Sensor types	In: Internal Sensor (to control or limit the temperature) Ou: External Sensor (to control or limit the temperature) AL: Internal/ External Sensor (Internal sensor to control temperature, external to limit temperature) Remark: Please make sure the right sensor. If choose the wrong or bad one, LCD will display Err, the thermostat will stop working until eliminating the failure.
4.	Low temperature protection setting.	5~10°C. When up to Max. 10°C, press "∧". When display "--", cancel this function.
5.	High temperature protection setting.	35~70°C. When down to Max. 35°C, press "∨". When display "--", cancel this function.
6.	Button locking	0: Buttons are locked except On/Off button. 1: All buttons are locked.
7.(1)	Weekend setting (Optional)	Two-day Weekend: 12345 and 67 One-day Weekend: 123456 and 7
8.(2)	485 Communication IP high address (Optional)	00-FF
9.(2)	485 Communication IP Low address (Optional)	01-FF

Note: (1) This option is not included for N series product
(2) This option is not included for P series product

Installation

1. Use screws (provided) to fasten the back cover of LCD Display unit on wall or box.
2. The Power unit should be connected to the Control Display according to the wiring diagram.
3. The cover of LCD Display unit is connected on the wall or box at the angle of 30°. Turn down the screwdriver with a little pressure, and open the LCD unit.
4. Finished.

Wiring

