



BEOK TR8B Week-Programme Handwheel Thermostat with Color LCD Screen Instruction Manual

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BEOK TR8B Week-Programme Handwheel Thermostat with Color LCD Screen

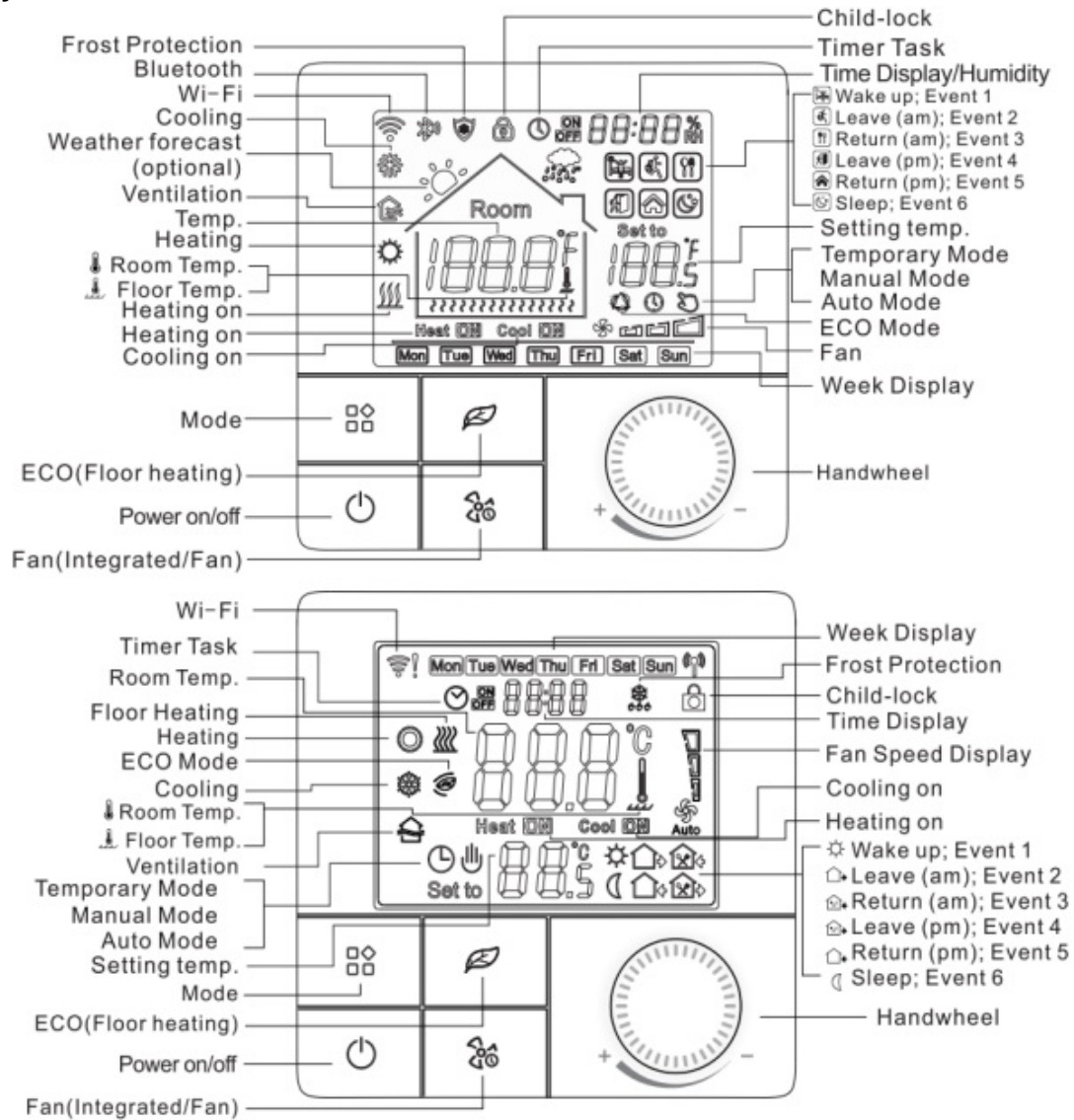


Product Overview

This series of thermostats have Floor Heating, Fan Coil, and Integrated version, meeting the requirements under different scenarios.

Version	System mode	Model	Application
Floor heating	Heating	EP	Built-in & floor sensor, floor limit sensor + Weekly programming
		WP	A NC/NO dual-output + Weekly programming
		WPB	A NC/NO dual-output + Weekly programming+ Potential-free output
Fan Coil	Heating /Cooling / Ventilation	Ac2	Timer task + 2-pipe system
		Ac2-485	Timer task + 2-pipe system + 485Modbus (optional)
		Ac4	Timer task + 4-pipe system + 485Modbus (optional)
Integrated	Heating / Cooling / Ventilation/Floor heating / Floor heating + Heating	AWY	Floor heating & fan coil, weekly programming + Potential-free output + Timer task + 485Modbus (optional) + Door card (optional)

Display Symbols



Temperature Control Mode(Floor Heating/Integrated)

• Auto Mode

In the weekly-circled program, up to 6 heating events can be set per day. Heating events, workdays, and temperature can be separately customized based on personal routines.

• Manual Mode

The thermostat works based on manually-set temperature, disconnecting from auto mode.

• Temporary Mode

The thermostat works based on manually-set temperature temporarily and then shifts back to auto mode till the next event.

User Operation

- Power on/off: Press “ ” shortly to turn on/off the thermostat.
- System mode: Press “ ” shortly to switch cooling/heating/ventilation/floor heating/floor heating + heating. (Integrated)
- ECO mode: Press “ ” shortly to set to ECO mode 18°C(64°F). (Floor heating)
- Timer task: Press “ ” for 3 seconds to edit the timer task. (Integrated)

- Press “ ” twice for 3 seconds to set the time. (Automatic time synch for Wi-Fi version)
- Press “ ” shortly to switch manual/auto mode. (Floor heating)
- Press “ ” shortly to switch manual/auto mode. (Integrated, floor heating)
- Fan speed setting: Press “ ” shortly to adjust the fan speed. (Integrated)
- Rotate handwheel“ ”to change the setting temperature by 0.5°C.
- Child-lock: Press “ ” for 3 seconds to activate child-lock.
- Auto-mode: Press “ ” for 3 seconds to edit auto-mode settings. (Floor Heating/Integrated)
- Set temperature can be specified precisely and intuitive
- (by 0.5°C) via handwheel.
- Can be individually tailored to personal routines- -up to 6
- heating events can be set separately.
- 485 Modbus and room card linkage – customized equipment (optional)

Parameter

Supply voltage	AC100~240V; 50/60Hz
Power consumption	1W Max (Wi-Fi 3W Max)
Temp. setting range	5~95°C (41~99°F)
Floor limited range	5~47°C (41~99°F)
Temp. Dif.	0.5~10°C (1~10°F) , Factory setting $\pm 1^{\circ}\text{C}$
Ambient temperature	-5~50°C (23~122°F)
Protection level	IP20
Shell material	Anti-Flammable PC

Auto-mode Setting

When the device is off, press “ ” to enter the menu page, choose “period setting” to set parameters, then press “ ” to save and exit.

Events		Time		Temperature	
		Default value	Modify	Default value	Modify
Workdays	Sunrise	06: 00	Rotate handw heel	20°C	Rotate handwheel
	Morning	08: 00		15 °C	
	Nooning	11: 30		15 °C	
	Afternoon	12: 30		15 °C	
	Evening	17: 00		22 °C	
	Night	22: 00		15 °C	
Weekends	Sunrise	06: 00		20°C	
	Night	22: 00		15 °C	

Advanced Setting

Choose “advanced setting” on the menu page and put in password 123456 to enter the advanced setting page, set parameters then press “ ” to save and exit.

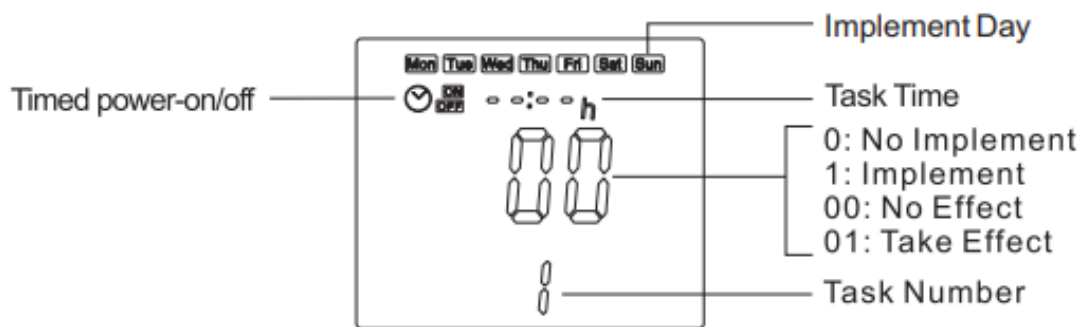
Meaning	Rotate handwheel	Default value
Sensor Mode	Built-in Sensor Floor Sensor Built-in Control&Floor Limitation	IN
Built-in Sensor Calibration	-5~5°C	-3°C
Built-in Max Setting Value	5~95°C	50°C
Floor Max Setting Value	10~95°C	50°C
Limitation Value	20~95°C	35°C
Output Jitter Control	0~5°C	1°C
Anti-Freeze Protection	ON/OFF	OFF
Linkage Mode	Noninverting Inverting Inverting Inverting and Anti-Freeze closed	Noninverting
Linkage Time Delay	0~5Min	0Min
Weekday Mode	Monday to Friday/Monday to Saturday /Monday to Sunday/	2-day
Boot Type	Function Off/Function On/Function Saved	O F F
Temperature Unit	°F/°C	°C
Child Lock Type	None Lock All All but power	None
Control Mode	All/Air/Floor	Floor
Cloud Region	CN/US/EU	CN
Reset All Settings	/	/

Sensor failure

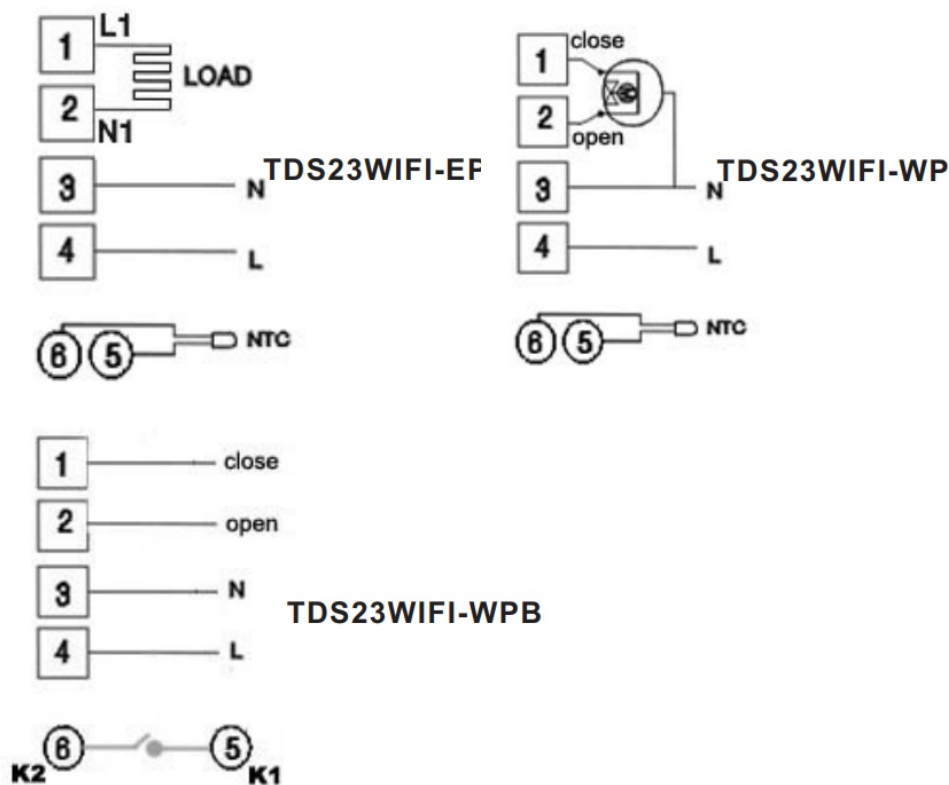
Please select the work mode of sensors correctly. When it shows E0/E1 error, the thermostat will stay powered off till the error is eliminated. E0: the built-in sensor is short-circuited or disconnected. E1: floor sensor is short-circuited or disconnected.

Timer Task Setting (Fan Coil/Integrated)

Press“ ”to enter the menu page. Turn the knob“ ”, choose “Auto Mode”, and then choose “Schedule”. Set the parameters by turning the knob, then press “Home” to save and exit to the home page.



Dimensions (Unit: mm)



Mounting Steps

1. The thermostat adopts the pre-guide and limited snap-fit design. It is easy to mount. 1 Release the front cover by inserting a head screwdriver into the bottom crack.



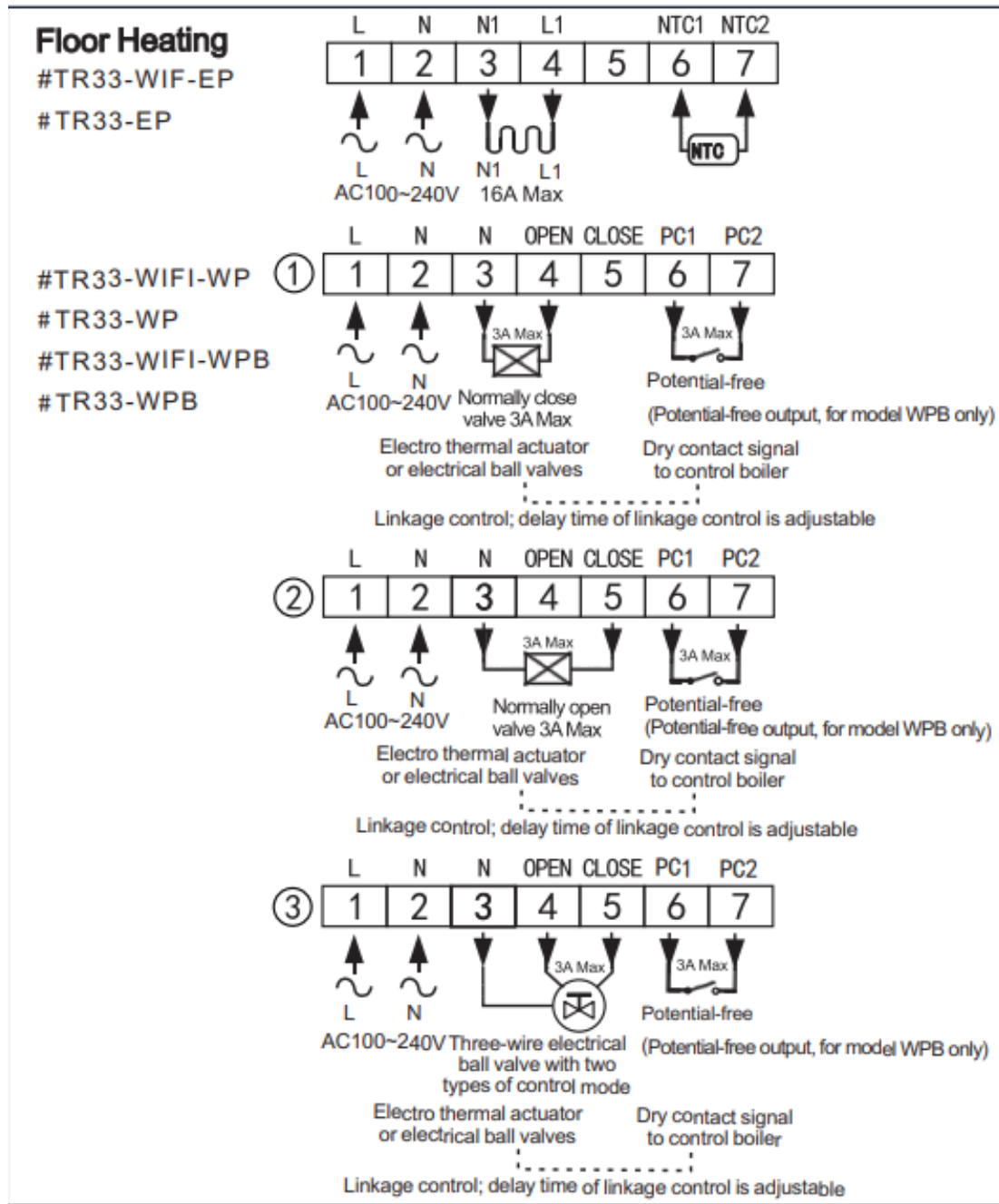
2. Insert the wires and then fix these wires with screws. The suggested wire-stripping length is 7-9mm.
3. Mount backing plate into wall-cassette, put screws, and then fix thermostat. Make sure that the thermostat is fixed without deformation. Suggested torque is 0.2~0.4N.m (2.0~4. 1kgf.cm).



Connecting Diagram

The thermostat operates at full capacity in areas with an altitude of less than 2500 above sea level. The power rating of external load should be less than or equal to 80% rated power of the thermostat in areas with an altitude of 2500m to 4200m.

• Floor Heating

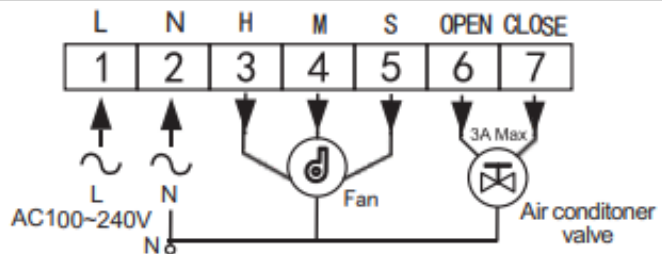


• Fan Coil

Fan Coil

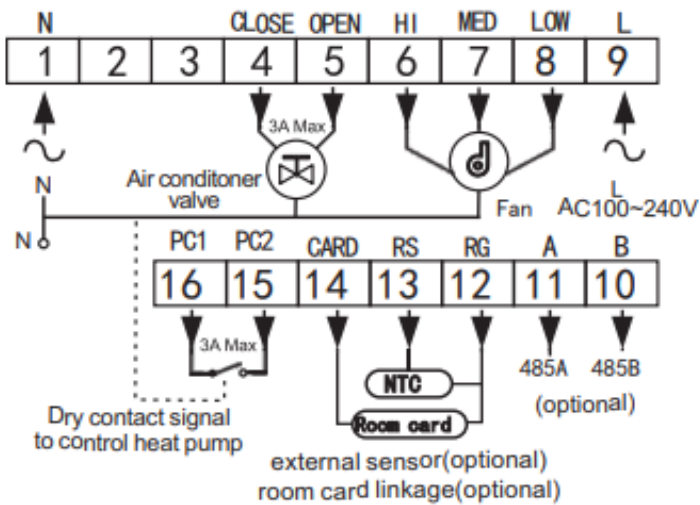
#TR33-WIFI-AC2

#TR33-AC2



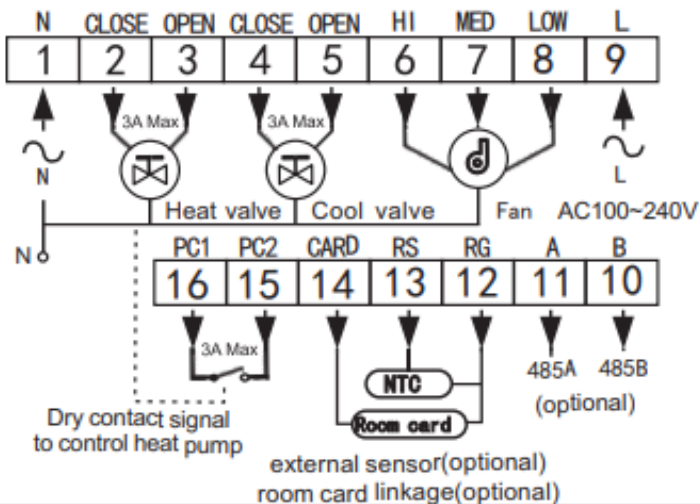
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#TR33-AC2-485



#TR33-WIFI-AC4

#TR33-AC4

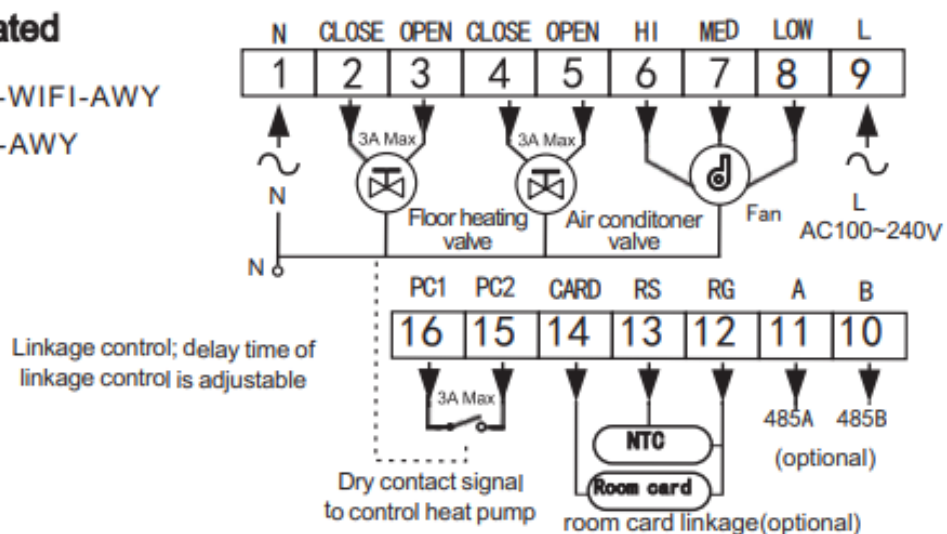


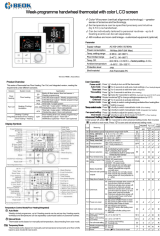
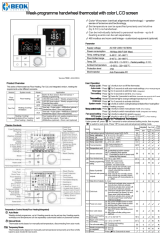
• Integrated

Integrated

#TR33-WIFI-AWY

#TR33-AWY



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