

BEOK TR9B-WiFi Ultra-Large Colorful Screen Capacitive Touch LCD Smart Thermostat Instruction Manual

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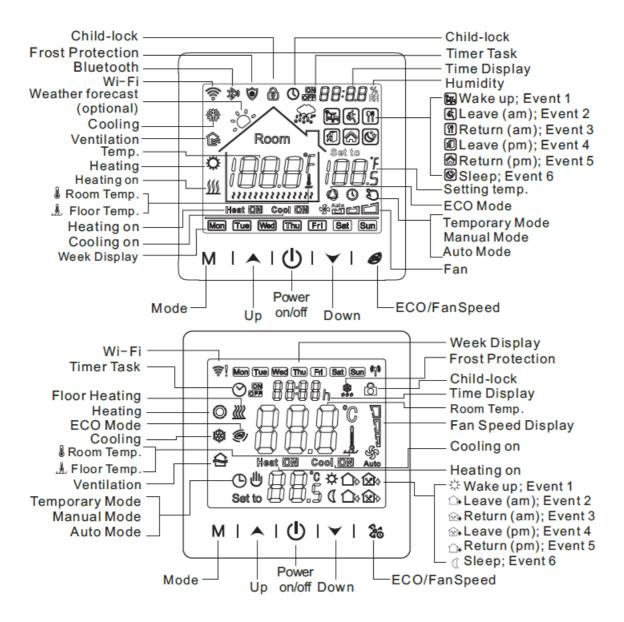


Product Overview

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

Version	System mode	Model	Application			
Floor heat ing		EP	Built-in & floor sensor, floor limit sensor + Weekly progra mming			
	Heating	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 / Ventilatio n/Floor heating / Floor heati ng + Heating	AWY	Floor heating & fan coil, weekly programming + Potential-free output + Timer task + 485Modbus (option al) + 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.

- Customized exclusive temperature plan up to 6 events allowed to set per day
- Sail-shape curved design fashion, elegant and enduring
- Ultra-large screen -better user interaction experience
- 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: S-95'C (41-99'F)
Floor limited range: 20-so·c csa-ss·F)

• Temp. Dif. 0.5-1D'C (1-10"F), Factory setting ±1"C

• Ambient temperature: ~-so·c (23-122'F)

• Protection level: IP20

Shell material: Anti-Flammable PC

User Operation

Power on/off:

Press " shortly to turn on/off the thermostat.

· Auto-mode:

Press for 3 seconds to edit auto-mode settings. (Floor Heating/Integrated)

· Timer task:

Press for 3 seconds to edit the timer task. (Fan Coil/Integrated)

· Time setting:



Press

for 3 seconds to set time. (Floor Heating)



Press

twice for 3 seconds to set time. (Automatic time synch for Wi-Fi version)

· Temp setting:

Press or " " shortly to change setting temperature by 0.5°C.

· Child-lock:

Press "A", "For 3 seconds to activate child-lock.

• System mode:

Press M shortly to switch cooling/heating/ventilation. (Fan Coil)

Press "M" shortly to switch cooling/heating/ventilation/floor heating/floor heating + heating. (Integrated)

• Temp control mode: Press "M" 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 fan speed.(Fan Cail/Integrated)

• ECO mode: Press "shortly to set to ECO mode 18°C(64°F). (Floor heating)

• ECO mode. Fress Shortly to set to ECO mode 16 C(64 F). (Floor fleating

Advanced Setting (Usually for Professional Technicians)
 Under power-off, press "" for 3 seconds to enter advanced setting mode, then re-press

Code	Meaning	" A ""	Default Value	Integra ted	Fan Coil		Floor
		" or" " ""			AC2- 485 AC4	AC2	
00	Postal address	Adjustment range 0x00~0xFA	00	√	1	×	V
01		-9.9~9.9°C(-9~9°F)	-3°C	√	√	√	V
02	Dead zone	0.5~10°C(1~10°F)	±1°C	V	√	√	1
03		5~95°C(41~99°F)	50°C	V	1	√	1
04		5~47°C(41~99°F)	5°C	√	V	√	V
05	Frost protection	ON: frost protection on OFF: frost protection off	OFF	√	√	1	V
06		°C/°F	°C	V	1	√	1
07	Sensor selection		IN	V	×	×	V
08	Floor limited temp	20~90°C(68~99°F)	35°C	V	×	×	\
09	Weekly program ming setting	12345: 5/2 week mode 123456: 6/1 week mode 1234567: 7/0 week mode	12345	√	×	×	1
10	Status of potentia I -free and main po wer outputs	00: both outputs are normally open 0 1: main power output is normally closed; potential-free output is norma lly open 02: both outputs are normally closed 03: both outputs are normally closed; under power-off, frost protection is off either	00	√	×	×	√
11	Delay time of out puts	0~5min	0	√	×	×	√

12	Child-lock	00: Child-lock inactivate when screen off; lock all when child-lock activate 01: Child-lock activate when screen off; lock all when child-lock activate 02: Child-lock activate when screen off; lock all except Fan Speed, Up and Down when child-lock activate 03: Child-lock activate when screen off; lock all except Power on/off when child-lock activate	00	√	V	V	√
13	Power-on-reset	00: stay power-off after Power-on-res et 01: stay power-on after Power-on-res et 02: recovery after Power-on-reset	02	√	√	√	V
14	Door card status	00: turn off door card function 01: set to ECO temp. after pulling door card out 02: stay power-off after pulling door card out	00	√	√	×	×
15	Door card heating ECO temp.	10~21°C(50-69°F)	18°C	√	√	×	×
16	Door card cooling ECO temp.	22~32°C(72-89°F)	26°C	√	V	×	×
17	Fan coil mode set ting	00: Cooling and heating 01: Cooling only	00	√	√	V	×
18	Weekly program ming for Integrate d	00: turn on 01: turn off	01	1	×	×	×
19	Reset	Press " "for 3 seconds to reset	1	√	1	1	V

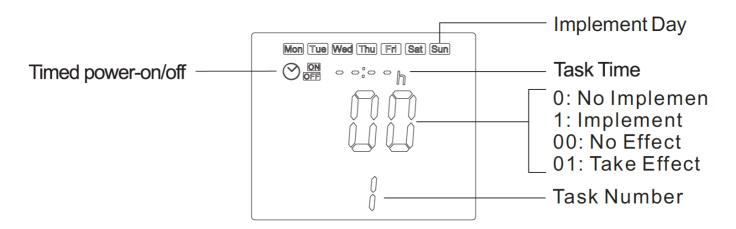
Auto-mode Setting (Floor Heating / Integrated)Press "M" for 3 seconds to edit auto-mode setting.

Frank		0	Time		Temperature		
Events		Symbols	Default value	Modify	Default value	Modify	
Workdays	1	*/	06:00	Dunne	20°C (68°F)	Press	
	2	﴿ / △→	08:00	Press	15°C (59°F)		
	3	₩ / 🖦	11:30	"△"	15°C (59°F)	"△"	
	4	₩ / ₩	12:30	or	15°C (59°F)	or	
	5	A / △	17:00		22°C (72°F)		
	6	७ / (22:00	" ∀ "	15°C (59°F)	" ∀ "	
Weekends	1	☆/	06:00		20°C (68°F)	·	
	2	७ / ((20:00		20°C (68°F)		

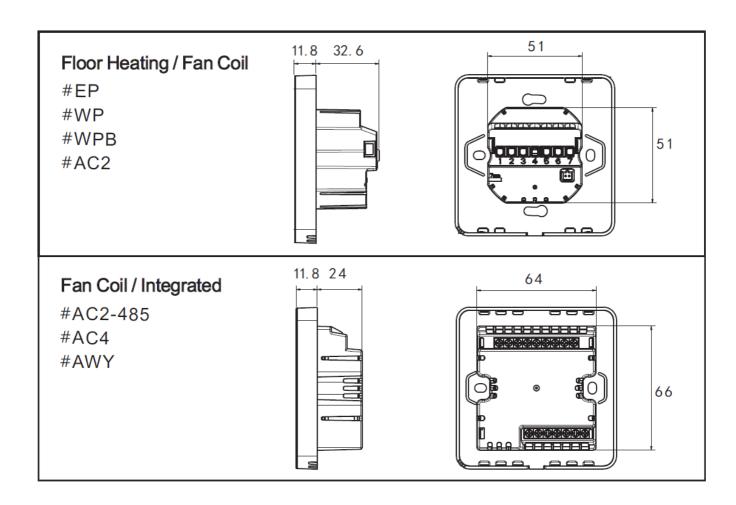
Timer Task Setting (Fan Coil / Integrated)

Press " for 3 seconds to enter timer task setting; press " M " to change settings;

Press " or " " to adjust parameters; press " to save and exit.

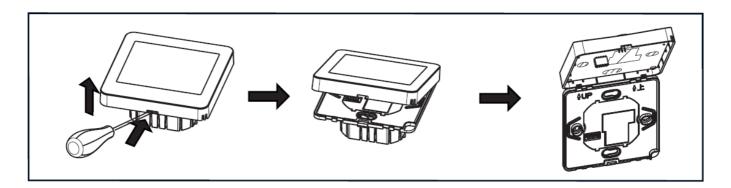


Dimensions (Unit: mm)



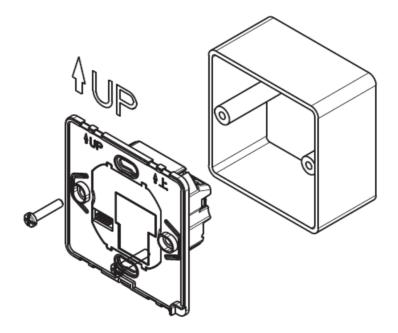
Mounting Steps

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 screw-driver into the bottom crack.

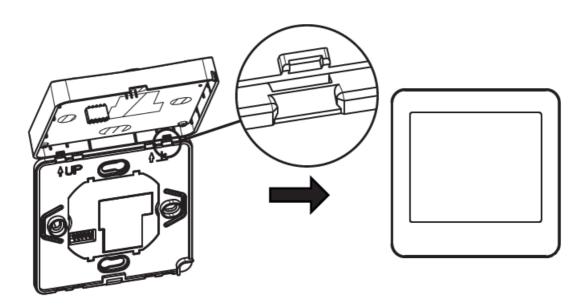


Insert the wires and then fix these wires with screws. The suggested wire-stripping length is 7-9mm.

Mount backing plate into wall-cassette, put screws and then fix thermostat. Make sure that the thermostat is fixed without deformation. Suggested torque is $0.2 \sim 0.4$ N.m ($2.0 \sim 4.1$ kgf.cm).



Re-mount the front cover via snap-fit connection.

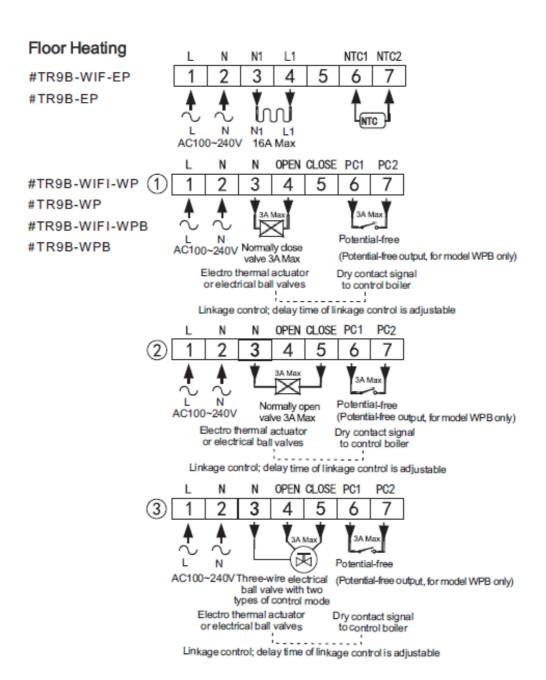


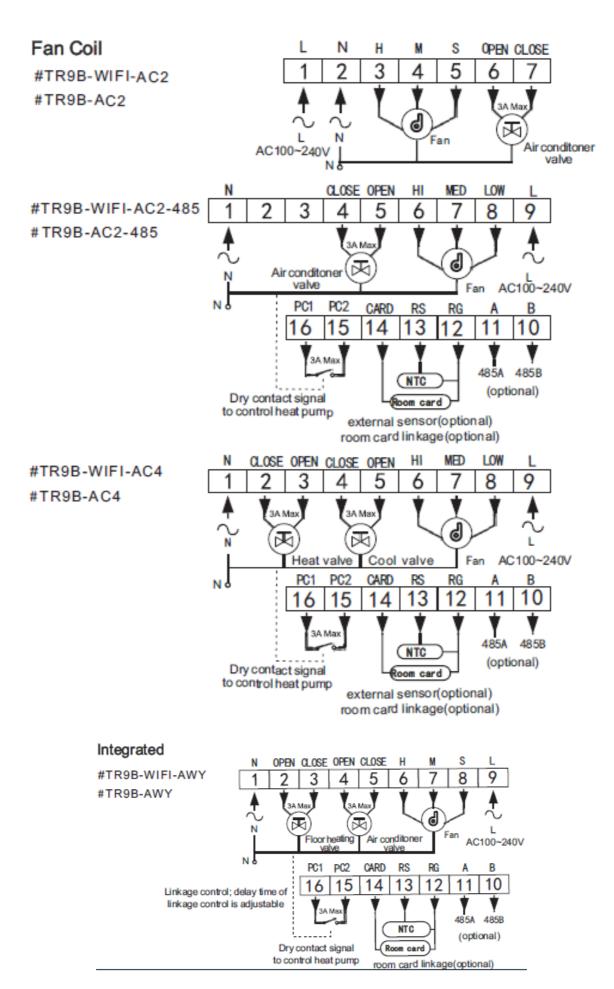
Sensor failure

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

Connecting Diagram

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







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