# BDW1001 WIFI Underfloor Heating Thermostat

## Technical Parameters:

Temperature Control Range:	5 - 35.0 ℃	Physical Dimension:	86 X 86 X 40mm
Temperature-sensing Element:	Thermistor	Diameter of Connecting Wire:	2.5mm^2
Accuracy:	± 1 ℃	Power Supply:	85-265Vac 50/60Hz
Control Method:	WiFi (4G / 3G)	Shell Material:	Flame-retardant PC
Programmable:	6 events	Maximum Load Current:	16A

Control Panel and Display:
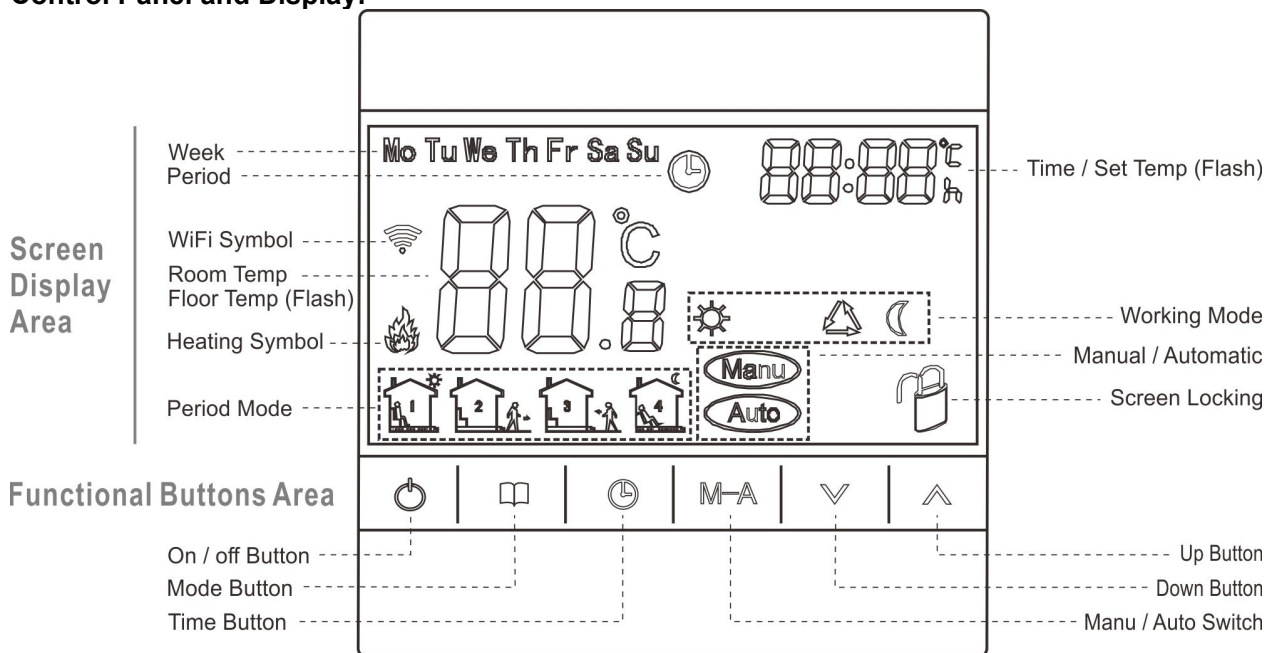
Operating Instructions:

1. On / Off: Shortly press the "⏻" button to turn on or turn off thermostat.

2. Temperature Setting: After power on, shortly press "▲" or "▼" button to adjust and set the temperature, adjusting 1 ℃ for each press.

3. Manu and Auto Mode Switching: After power on, shortly press "**M-A**" button to switch between manual mode and automatic mode (Programmed Period).

4. Working Mode Switching: After power on, choose Manu Mode, shortly press "📖" to switch between standard mode, comfortable mode and economic mode, as well as shortly press "▲" or "▼" button to adjust the temperature setting.

5. Time Setting: Shortly press "🕐" to adjust the twinkling minute, hour and week, as well as shortly press "▲" or "▼" button to adjust the corresponding time.

6. Child-lock Setting: Press and hold "🕐" for 3s to turn on or turn off the child-lock function.

7. Period Setting: After power off, press and hold "**M-A**" for 3s to enter the period setting function.
   Detailed operation is as follow:

Option	Period		Symbol	Default time	Time adjusting	Default temperature	Temperature setting
Shortly press "**M-A**" button to select the period interval, The selected symbol will twinkle.	Day 1~5	1		6：00	Press "🕐" button to choose minute and hour; Press "▲"or"▼" button to adjust minute and hour;	20℃	Press "▲"or "▼" button to set the temperature
		2		8：00		15℃	
		3		17：00		22℃	
		4		22：00		15℃	
	Day 6~7	1		8：00		22℃	
		2		23：00		15℃	

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8. Advanced Setting: After power on, simultaneously press and hold "▲" and "▼" for 3s to enter the advanced setting function.

Code	Definition of selected item	Range	Description	Default Value	operation
00	Calibration value of room temperature	±10.0℃	Fine tuning value of room temperature sensor	0℃	Press "**M-A**" to select the item. Press "▲" or "▼" to adjust the value.
01	Calibration value of floor temperature	±10.0℃	Fine tuning value of floor temperature sensor	0℃	
02	Selection of sensor	00-02	00 Built-in 01 External 02 Built-in & external	02	
03	Upper limit of temperature setting	30-60℃	Maximum value of temperature setting	35℃	
04	Lower limit of temperature setting	5-15℃	Minimum value of temperature setting	5℃	
05	Switch deviation setting	0-10.0℃	Output deviation value setting	1.0℃	
06	Low temperature protection function	00-01	00 on 01 off	00	
07	Day-off selection	00-02	00 Double day-off 01 Single day-off 02 None	00	
08	Output time delaying	00-10	0-10s output time delaying	00	
09	Alarm value of floor temperature	0-80℃	Maximum value of floor temperature	60	
10	Factory reset	00-01	01 Factory default setting	00	

Initialize Your WIFI Thermostat:

After turn off the thermostat, press and hold the"⏻"until the screen displays "00", then press "▲", change the value "00" to "01", finally press the "⏻". Finishing all the above steps, the initialization of your thermostat has been successfully completed. You can download the APP to connect the thermostat to your mobile phone, then control your thermostat according to the APP operation manual.
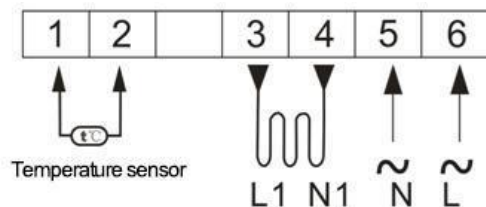
Malfunction Prompts:

In advanced setting, select the internal or external sensor properly, if wrong setting or sensor damaged, the LCD appears Er1 or ER2.
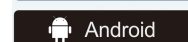**ER1** indicates no internal sensor detected;
ER2 indicates no external sensor detected.
The thermostat will not work until the fault is eliminated.

Wiring Diagram:

Scan to download APP

 iOS

 Android

Warning:

Wiring must be correctly carried out as per the above diagram. The thermostat should be free from water, mud and other foreign substance, otherwise it could be damaged!