

User Manual Thermostat EH602 W-16A | EH602 B-16A



Thermostat for electric underfloor heating with Wi-Fi

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The programmable NAVIN EH602 thermostat with Wi-Fi is designed to control electric underfloor heating. The device supports a weekly programming function: for each day, up to six operating periods can be set, with a separate temperature for each period. Weekend days are configured separately. The user can choose manual temperature control or automatic programme mode. Thanks to Wi-Fi support, the thermostat can be controlled remotely from a smartphone.

Technical specifications

Power supply voltage	230 V AC, 50–60 Hz
Maximum load	16 A
Maximum load power	up to 3000 W
Thermostat power consumption	less than 1 W
Temperature control range	5 – 45 °C
Floor temperature limit range	20 – 60 °C
Temperature measurement accuracy	±1 °C
Temperature calibration	±5 °C
Temperature sensor	NTC
Thermostat dimensions	86 × 86 × 40 mm
Protection rating	IP20
Wi-Fi frequency	2.4 GHz

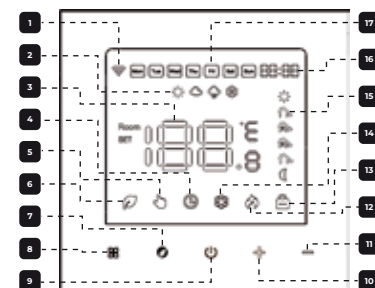
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Package contents

1. Thermostat
2. Floor sensor with cable
3. Mounting screws
4. Instructions

Control panel



1. Wi-Fi indicator
2. Weather indicator
3. Room temperature
4. Programme mode
5. Manual mode
6. ECO mode indicator

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7. ECO button
8. Menu button
9. On/Off button
10. Increase value button
11. Decrease value button
12. Heating indicator
13. Child lock
14. Frost protection
15. Programme period
16. Clock
17. Day of the week

Buttons and modes

On/Off button. Briefly press the button to switch the thermostat on or off.

Menu button. When the thermostat is switched on, press the menu button to select the operating mode: **manual or programme mode.**

Manual mode. In manual mode, the user sets the required temperature manually. The thermostat maintains this temperature until the settings are changed again.

Programme mode. In programme mode, the thermostat operates automatically according to the set schedule. The user selects time periods and sets a separate temperature for each of them. At the set time, the thermostat automatically changes the temperature according to the configured programme.

Temporary temperature change in programme mode. In programme mode, the temperature can be temporarily changed using the "+" or "-" buttons. After this, the thermostat temporarily switches to manual control. When the next programmed period starts, the device automatically returns to operation according to the schedule.

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"+" and "-" buttons. These buttons are used to increase or decrease the temperature, time and other parameter values during setup.

Button lock. To lock the buttons, press and hold the "+" and "-" buttons simultaneously for 5 seconds. To unlock the buttons, press and hold these buttons again for 5 seconds.

ECO button. When the thermostat is switched on, press the ECO button to activate energy-saving mode. To exit ECO mode, press any button.

ECO mode is designed to maintain a reduced energy-saving temperature. By default, the ECO mode temperature is 16 °C, but it can be changed in the advanced settings.

Frost protection. The frost protection function operates when the thermostat is switched off. If the room temperature drops below 5 °C, the device automatically switches on heating. The frost protection indicator appears on the display. When the room temperature rises to 7 °C, the thermostat automatically switches off heating.

Time setting. To set the time, press and hold the ECO button for 5 seconds. After entering the time setting mode, press the menu button to switch between the parameters: hours, minutes and day of the week. The values are changed using the "+" and "-" buttons. After completing the settings, press the power button to confirm and exit the menu.

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Operation in programme mode

In programme mode, 6 operating periods and a separate temperature for each period can be set for each day.

To enter programme setup, when the thermostat is switched on, press and hold the Menu and ECO buttons simultaneously for 5 seconds.

Use the "+" and "-" buttons to change the hour, minutes and temperature. To move to the next parameter, press the menu button. The other periods are configured sequentially.

Buttons	Period	Event	Time	+	-	Default temperature	+	-
Weekdays	01	Wake-up	06:00	Set the time		20 °C	Set the temperature	
	02	Leave for work	08:00			16 °C		
	03	Return for lunch	11:30			20 °C		
	04	Leave after lunch	12:30			16 °C		
	05	Return home	17:00			20 °C		
	06	Go to sleep	22:00			16 °C		
Weekend	01	Day mode	08:00			20 °C		
	02	Night mode	23:00			16 °C		

Advanced settings

To enter the advanced settings menu, when the thermostat is switched off, press and hold the Menu and "-" buttons simultaneously for 5 seconds.

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Use the "+" and "-" buttons to select the required value. To move to the next parameter, briefly press the menu button. After completing the settings, press the power button to save the changes and exit the advanced settings menu.

Code	Parameter	Default value	Available parameter values
1HRd	Operating mode	1	0 — cooling 1 — heating
2RdJ	Room temperature calibration	-2 °C	from -9 °C to +9 °C
3SEC	Temperature sensor type	IN	IN — internal sensor; OU — external sensor; AL — simultaneous operation of the internal and external sensors. In AL mode, the internal sensor controls the air temperature in the room, and the external sensor is used to protect and limit the floor temperature.
4LiF	High temperature protection	50 °C	from 5 °C to 60 °C
5dIF	Hysteresis / temperature switching differential	1 °C	from 0.5 °C to 5 °C
6LFP	Frost protection	OF	ON — function enabled; OF — function disabled
7HlT	Maximum set temperature limit	45 °C	from 35 °C to 95 °C

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Code	Parameter	Default value	Available parameter values
8OER	Open window detection function	OF	ON — function enabled; OF — function disabled
9OfT	Open window detection time	15 min	from 2 to 30 min
0PFP	Temperature drop for triggering the open window function	2 °C	from 2 °C to 4 °C
APdF	Delay time before returning to the previous operating mode	30 min	from 5 to 60 min
bECO	ECO mode temperature	16 °C	from 10 °C to 20 °C
cLEd	Display backlight in standby mode	1	0 — off; 1 — 50% brightness; 2 — 100% brightness
dFRC	Reset to factory settings	—	When "-" is displayed on the screen, press and hold the confirmation button for 5 seconds. The appearance of "-" means that the settings have been reset to factory values.

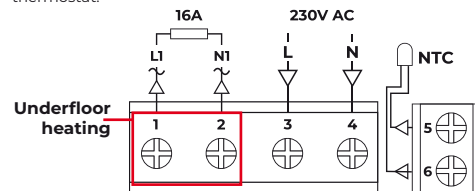
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Installation and wiring diagram

Disconnect the power supply before installation.

1. Remove the front panel of the thermostat and carefully disconnect the display ribbon cable.
2. Connect the power supply, underfloor heating and temperature sensor according to the diagram. Secure the thermostat in the mounting box.
3. Connect the display ribbon cable and install the front panel back in place.
4. Switch on the power supply and check the operation of the thermostat.



Warning!

Installation and connection of the thermostat must be carried out by a qualified electrician in compliance with the applicable electrical safety regulations.

Connecting to the app:

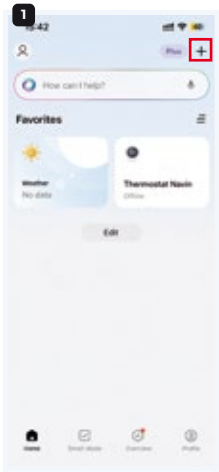
Scan the QR code below to quickly download the Smart Life app, or find it manually in Google Play or the App Store:

- For Android: Google Play — Smart Life
- For iOS: App Store — Smart Life

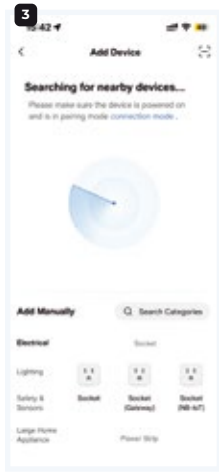
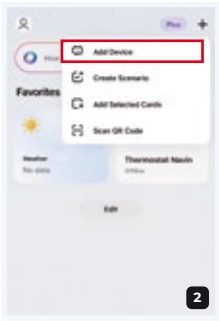
Using the app, you can remotely control the thermostat, set operating schedules and monitor the temperature in real time.



Open the app, create an account or log in to an existing one.



To connect the thermostat to the app, tap the “+” icon in the upper right corner of the screen (Fig. 1), and then tap “Add device” (Fig. 2).



The device search will start (Fig. 3). The app may request permission to use Bluetooth and location. Grant these permissions — they are required to search for a nearby device.

At the same time, put the thermostat into pairing mode.

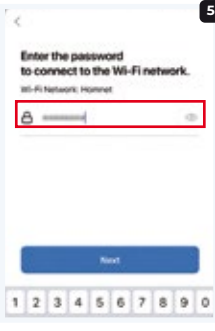
To do this, on the switched-on thermostat, press and hold the Menu and “+” buttons until the Wi-Fi icon appears on the display and starts flashing.

The connection process may take up to **two minutes**. In some cases, this time may not be sufficient, and it may be necessary to repeat the pairing mode connection step by pressing the corresponding buttons on the thermostat.

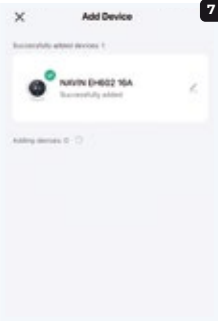


Select a Wi-Fi network, enter the password and tap “Next” (Fig. 4 and 5).

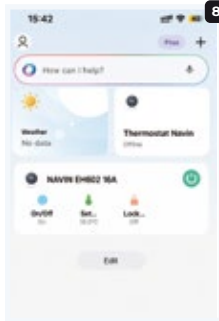
Attention! The thermostat works only with a 2.4 GHz Wi-Fi network.



After the device appears in the app, tap “Add” (Fig. 6).

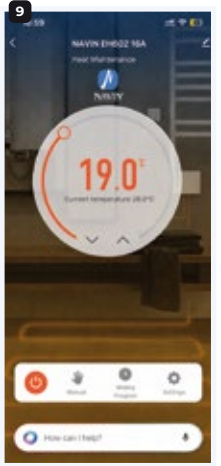


The thermostat has been successfully added.



Tap the thermostat card in the app to go to the control screen (Fig. 8).

You will be taken to the branded app screen (Fig. 9).



WARRANTY

The warranty for the NAVIN EH602 16A thermostat is **12 months** from the date of sale, provided that the installation, connection and operating rules specified in the instructions are followed, as well as the requirements of the applicable electrical safety regulations.

The warranty covers manufacturing defects of the thermostat that occurred due to the manufacturer's fault during the warranty period.

Warranty obligations do not apply in cases where:

- the product was operated in excess of the technical specifications stated in the product passport or instructions;
- the rules, standards and recommendations for installation, connection and operation of the thermostat were not followed;
- incorrect connection of wires to the thermostat terminals was carried out;
- traces of mechanical damage are found on any part of the product: cracks, deformation, chips, scratches, cuts, etc.;
- dust, moisture, liquid, foreign objects or insects have entered the device;

- the damage occurred as a result of voltage or current exceeding the permissible passport values;
- the damage was caused by incorrect, careless or unintended use of the product;
- the requirements of the instructions regarding connection of the load, temperature sensor or power supply were violated.

If circumstances are found that constitute grounds for removing the product from warranty service, repair or replacement of the NAVIN EH602 16A thermostat may be carried out on a paid basis.

The warranty is valid only if a document confirming the date of sale of the product is available.

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Products We
Manufacture



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