

SpotNRG Evesta Caladrius T1 Single Phase DIN Wi-Fi Thermostat Instructions for installation and use

GENERAL

This manual describes the main functions and technical characteristics of the Wi-Fi thermostat. These instructions will help the user to control the Wi-Fi thermostat and the electrician to install the thermostat.

SPECIFICATIONS

Voltage: 230VAC - 50/60 Hz
Maximum load: 1x16A (resistive)
Operating temperature range: +0°C – +30°C
Allowed pollution class for installation: 2
Color: Grey
Standards: CE, EN 60730-1, EN 300 328 V2.2.2
Wi-Fi: 2.4GHz 802.11bgn
Sensors: 10k NTC floor sensor in sales package

INSTALLATION OF THE DEVICE

Installation should only be carried out by an authorized electrician in accordance with wiring and building standards. During installation, the

thermostat must be turned off or insulated ALWAYS!

The thermostat is connected to the DIN rail in an electrical cabinet or in a separate housing. The floor sensor must be placed in a protective tube in a concrete floor. Make sure that there is no water in the protective tube.

Connect the wires to the terminals of the thermostat:

L (at the top): Potential free relay

N: Zero

L: Phase (operating voltage for circuit board electronics)

Floor: Floor sensor, NTC (6k8, 10k, 12k, 15k, 33k, 47k, 100k). Select the correct floor sensor resistance value using the phone app.

Ext: External sensor

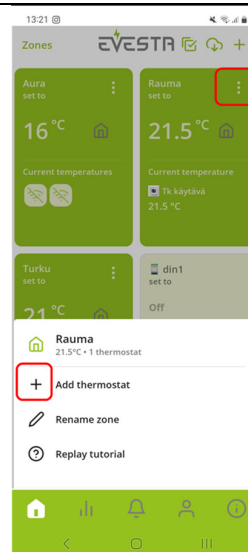
USING THE THERMOSTAT WITH THE PHONE APPLICATION

Android or Apple phone application allows you to control the thermostat via the Internet regardless of location.

The app can be downloaded from Apple's Appstore, Google Play Store, or by using the link below.



The Wi-Fi thermostat is connected to the cloud service using the "Add thermostat" function in the phone application.



Follow the instructions provided by the phone application. The thermostat is put into pairing mode by pressing the "Pair" button on the thermostat for more than five seconds. Initially, the Wi-Fi led indicator will blink green. When the indicator starts flashing red, release the button. When the indicator turns solid green, the device is ready to be connected to the cloud using the phone application. At the same time, the thermostat is reset to factory settings. If the pairing is not made within ten minutes, the thermostat will return to its original state. The rest of the settings, such as selecting the network and password, as well as setting the location of the thermostat, are done using the phone application. Location is used to select the right electricity price area.

The app supports grouping thermostats into different zones. Thermostats in the same zone can be controlled with the same settings unless the thermostat is specifically configured to operate with custom settings.

WHAT MODE OF OPERATION SHOULD BE USED?

The thermostat has three main modes of operation: Home, Away and Weekly Schedule. In addition to these, the phone app offers Antifrost and Power Regulation modes. The app can also be used to change the thermostat to control cooling instead of heating. In this case, the relay is turned on when the set temperature is exceeded. Note! When using cooling, the thermostat must be used to control a cooling device, e.g. fan.

Home mode default temperature setting is 21°C, and for Away mode the default is 19°C. These can be changed by the user.

Weekly schedule helps to save energy. It can be used to drop the setpoint for example during night or times when there is normally no need to heat or cool. Weekly schedule is programmed with phone application.

INDICATOR LEDS

LEDs at the top indicate the status of the internal relays. If the LED is green, the relay is closed.

Color codes for Wi-Fi LED:

Green: Thermostat is connected to Wi-Fi network and to cloud service.

Blue: Thermostat is connected to Wi-Fi network, but the connection to the cloud is missing.

Red: Thermostat cannot connect to Wi-Fi.

Led off: Wi-Fi turned off.

If the thermostat is in failure mode, the relay indicator will be red.

ELECTRICITY COST OPTIMISATION

Activate electricity cost optimization using the phone app. The setting is thermostat-specific and can be found under the gear menu in the upper right corner of the thermostat view of the phone application. Check the location of the thermostat in the application. The location is used to select the right electricity price area and weather forecast. Choose how many degrees the temperature setpoint is automatically raised during cheap electricity. Also choose how much setpoint will be

dropped during expensive electricity. When the average temperature of the next day exceeds the "Forecast save limit" setting, the setpoint is not raised during cheap electricity i.e., no heating to the reserve is done. Also select the number of raise and drop hours. You can monitor the operation of price optimization and achieved savings under the "Reports" tab of the phone application.

CHANGING WI-FI NETWORK

If you want to connect the thermostat to a different Wi-Fi network or the network password has been changed, you can do so using the "Reconfigure Wi-Fi" function in the phone application. The thermostat is set to the "Reconfigure Wi-Fi" mode with a short press of the Pair button. This feature is enabled only if the thermostat was previously connected to the cloud.

If you want to add the thermostat as a new device and reset it to factory settings, you can do it with a long press of the Pair button, more than five seconds.

