

## Introduction

Thank you for choosing Ebeco and EB-Therm 300. We hope you will enjoy it for a long time to come. If you have any questions, you are always more than welcome to contact us. Visit [ebeco.com](http://ebeco.com) for more information and contact details.

## Warranty

Ebeco provides a 5-year product warranty for material defects for the EB-Therm 300 thermostat. For the guarantee to apply, the product must be installed and used as described in this manual. For more detailed warranty terms, see [ebeco.com](http://ebeco.com)

**Ecodesign (EU) 2024/1103:** According to regulation, this control has the following control functions: TW (f0/ f2/f0/f4/f0/f0/f0/f8)

## Scan for digital manual



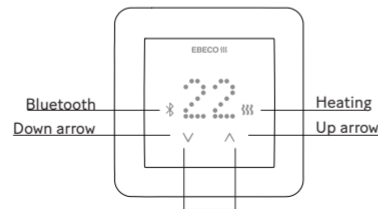
## Basic operations

The EB-Therm 300 has a dot matrix display for showing digits and messages, and two icons: A Bluetooth icon to the left and a heating icon to the right. There are two touch buttons available: Down arrow to the left and up arrow to the right.

When there is no interaction with the thermostat, screensaver mode is activated. In the screensaver mode, the thermostat display the current measured temperature and the heating icon indicates whether the heating is active.

Menus are accessed by holding down both arrow buttons simultaneously (press both arrows) for 2 seconds. Scroll between menu entries or settings with up or down arrow and confirm your choice by pressing both arrows simultaneously.

If no choice is confirmed the thermostat will time out to temperature display after 30 seconds.



To confirm or access menu, press both arrow buttons for 2 sec.

## Startup menu

When the thermostat is powered up for the first time, you will be welcomed by a startup menu where basic settings are required for a correct installation:

**Language:** SV / NO / DK / FI / EN / DE  
**Floor Type:** TILE / WOOD OR PLASTIC  
**Power [W]:** 50–9990 W

**Language:** Scroll between available languages using the arrow buttons and confirm by pressing both arrows simultaneously.

**Floor type:** Scroll between the two available floor types with the buttons and confirm your selection by pressing both arrows. Selected floor type will automatically configure temperature sensor settings as:

- **Tile:** Floor sensor is used for temperature control.\*
- **Wood or plastic:** Room sensor for temperature control and floor sensor for overheat protection (max 30 °C).

**Installed power:** Scroll up or down to match the value with the installed power [W] of the floor heating. The value can be adjusted up or down in steps of 10W. Values of 1000W and above will be displayed and shortened with a dot (e.g., 2350 W will appear as 235.).

## Set temperature

Adjust the set temperature by pressing up or down arrow. The displayed value blinks and can be adjusted with 1 °C interval. Confirm by pressing down both arrows, or leave the thermostat for 6 seconds. The temperature can be set between 5 °C and 35 °C.

## Menu and settings

The menu is accessed from screensaver mode by pressing both arrows simultaneously for 2 seconds. Scroll up or down for selecting different settings, and confirm by pressing both arrows simultaneously.

- **Standby:** This option can be reached through the menu, or accessed directly from the screensaver mode by pressing down arrow for 2 seconds. To start the thermostat again, press the up arrow for 2 seconds.
- **Key lock:** Through the menu, the buttons can be locked to prevent unintentional adjustments. The key lock is deactivated by pressing both arrows for more than 3 seconds.
- **Restore account:** Disconnects the thermostat from the account in the Ebeco Connect app.
- **Reset:** Resets all settings except installed floor output, account settings, and historical consumption data. The thermostat restarts to the start menu.
- **Info:** Displays the thermostat's version, MAC address, and time.

## App control

The thermostat's remaining settings and energy-saving functions require control via the app. To connect the thermostat to the app, first download Ebeco Connect from the App Store or Google Play and create an account.

Make sure Bluetooth is activated on your phone. In the Ebeco Connect app, select Add devices to find your thermostat. Once the device is found, the Bluetooth icon on the thermostat indicates, and the app will guide you through the connection process and the available settings.

## Scan to download app



# EB-Therm 300



## Included in the package

- Thermostat
- Floor sensor

## Conformity

Ebeco declares that the following products comply with the European Directives: LVD Directive 2014/35/EU, EMC Directive 2014/30/EU, RED-DA directive 2022/30 supplementing RED Directive 2014/53/EU, RoHS Directive 2011/65/EU.

For full documentation of conformity, please see the following link:  
<https://www.ebeco.com/document/eb-therm-300-ce-document-1258.pdf>

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## Specifications

**Connection voltage**  
 230 VAC ±10% 50–60 Hz

**Air temp. range**  
 +5 °C to +35 °C

**Floor temp. range**  
 +5 °C to +35 °C

**Temp. limiter**  
 +5 °C to +35 °C

**Breaking capacity**  
 3680 W / 16 A / 230 VAC

**Connection cable**  
 Max 2.5 mm<sup>2</sup>

**Load**  
 Cos φ = 1

**Control accuracy**  
 ± 0.3 °C

**Power reserve**  
 2h

**Thermostat dim**  
 87 x 87 x 39

**Bluetooth**  
 6.0

**Frequency Band**  
 2.4 GHz, ≥ 6dBm

**Sensor cable**  
 3 m, NTC 10 kΩ

**Maximum length**  
 50 m, 2 x 1.5 mm<sup>2</sup>

**Colour**  
 White, RAL 9003

**Enclosure class**  
 IP21

**Approval**  
 CE, RED-DA, ROHS, S-Mark

**Protection class**  
 Class II – Double insulation

**Compatible with**  
 Schneider Exxact/Renova  
 ELKO Plus/RS/One  
 SG Armaturen

## Available functions

	UNIT	APP
Temperature settings	X	X
Language settings	X	X
Key lock	X	X
Error and fail codes	X	X
Reset account	X	X
Reset	X	
Overheat temperature		X
Time and date		X
Week program		X
Sensor control		X
Sensor calibration		X
Sensor type		X
Power control		X
Energy consumption		X
Adaptive mode		X
Window function		X
Operating time limitation		X
Daylight saving (summer time)		X
Screen saver		X
Local API		X
Update via App (OTA)		X

## Important!

Disconnect the power supply before installation of EB-Therm 300. The under-floor heating system is a main voltage installation and must be installed by an authorised electrician in accordance with the current, national regulations.

## Installation

Do not place the thermostat in direct sunlight or draughts, as this may affect its function. Check the IP rating before installation. The floor sensor should be fitted in a spiral tube placed at the height of the floor surface. Mount EB-Therm 300 in a electrical back box, flush with the wall or tiles.

