

## EB-Therm 400®



Stylish and modern underfloor heating thermostat with colour display and individually adjustable energy-saving programmes. Perfect for those who expect the best energy efficiency and want to be able to adapt the heating to their own needs.

EB-Therm 400 is our most complete thermostat in the series. It has several different energy-saving programmes and features that make sure that it's nice and warm when you need it.

### Simplify for the installer

EB-Therm 400 is developed with the installer's well-being in focus. The thermostat is therefore easy to handle and install. The shallow installation depth means the cable fits in the box without any problems. There is also a clear and easy-to-understand start-up guide to make it easy. Everything to make it easier for the installer.

EB-Therm is compatible with most sensors on the market. This facilitates, for example, housing improvements where it may be necessary to retain the existing floor heating and just replace the thermostat.

The thermostat has a built-in countdown timer feature that shows when the underfloor heating can be started after securing with filler.

### Clear and easy to navigate

With its easy-to-navigate and intuitive menus with clear icons for the different features, EB-Therm 400 makes it easy for both the installer and the end user. The 1.8 inch colour display is clear and the capacitive touch zones are outside the display area in order to make the thermostat's various functions even more transparent and user friendly.

### Save energy with EB-Therm 400

Energy saving programs are adjustable and times and temperatures can both be set individually. In this way, the thermostat will be versatile and adaptable to many different environments and conditions.

**RESIDENCE** *preset at + 22 °C.*

Reduction of 5 °C Mon-Fri at 08:00-15:00, Mon-Sun at 23:00-06:00. Time and temperature can be adjusted.

**OFFICE** *preset at + 22 °C.*

Reduction of 5 °C at all times except Mon-Fri 08:00-17:00. Time and temperature can be adjusted.

#### TIMER

Using the timer function, you can control the heat in spaces and facilities that are used more infrequently. The heat is turned on only when needed and stays on during the set time. Afterwards, the heating will go into standby mode, for example maintenance heating and frost protection.

#### REMOTE CONTROL

The remote control programme allows you to switch temperature between two preset values. This is done by using, for example, a switch, an SMS modem or a wi-fi device. Suitable when the heating is turned on in a summer house, mountain cabin, shed or where you want to control the heating from a central location. It is also possible to set the after-heating if you want to delay the temperature reduction.

In addition to these programmes, there are additional features that you can read about in "Smart tips" below.

## Easy to keep track

EB-Therm 400 makes it easy to keep an eye on your energy consumption. The thermostat clearly displays the energy consumption per year, month or day.

### TECHNICAL INFORMATION:

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The pack includes: front and frame suitable for Schneider Exxact, front for ELKO Plus/RS and floor sensor 3 m.

Connection voltage	230 VAC $\pm 10\%$ ~50–60 Hz
Air temperature range	+5 °C till +35 °C
Floor temperature range	+5 °C till +35 °C
Temperature limiter	+5 °C till +35 °C
Circuit-breaking capacity	3680 W / 16 A / 230 VAC
Connection cable	max 2.5 mm <sup>2</sup>
Load	Cos $\varphi$ = 1
Connection difference	$\pm 0.3$ °C
Back-up*	36 h
Sensor cable	3 m, NTC 10 k $\Omega$
Max extension sensor cable	50 m, 2 x 1,5 mm <sup>2</sup>
Display dimensions	36 x 29 mm
Thermostat dimensions	87 x 87 x 39 mm
Suitable for frame systems	Schneider Exxact, ELKO Plus/RS
Colour	White
Enclosure class	IP21
Approval	CE

\* The time the programming remains in the thermostat in the event of power failure.

#### Sensors

Can be calibrated if needed.

#### Sensor

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NTC 2 k $\Omega$ 

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NTC 10 k $\Omega$ 

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NTC 12 k $\Omega$ 

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NTC 15 k $\Omega$ 

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NTC 22 k $\Omega$ 

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NTC 33 k $\Omega$ 

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NTC 47 k $\Omega$ 

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NTC 100 k $\Omega$ 

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### ARTICLETABLE:

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Item number	Name	Dimensions
8581609	EB-Therm 400	87 x 87 x 39 mm

#### GARANTI:



Ebeco AB provides a 5-year product warranty covering material faults for our control units.  
[All terms and conditions is found here.](#)

#### ACCESSORY:

### Heightening frame

Ebeco's EB-Therm thermostats are designed for recessed or surface fitting. A heightening frame is used for surface fitting. The heightening frame is suitable for all EB-Therm models.

Item number	name	Dimensions	Colour
8581686	Heightening frame Ebeco	87x87x29 mm	White (RAL 9003)



### Backplate

If the existing frame does not cover the hole, the thermostat is fitted in a back plate; Backplate. Backplate is suited to the Eljo Trend frame system.

Item number	Name	Dimension	Colour
8581697	Backplate ELJO trend	86x86x6 mm	White (RAL 9010)
8581687	Backplate Ebeco frame	88x88x4.4 mm	White (RAL 9003)



### Sensor cable

Sensor cable for thermostat. Included in thermostat pack.

Item number	Name	Length
8581671	Sensor cable	3.0 m
8581684	Sensor cable	6.0 m



## Spiral tube

Spiral tube for thermostat sensor cable. End connection ensures that fixing and sealing compounds cannot enter. Ebeco Adapter (E 89 605 51), which makes it easier to handle the transition between box and spiral tube when installing a thermostat, is not included.

Item number	Name	Length	DI	DY
8960541	Spiral tube for thermostat sensor	2.5 m	7.5mm	10.0mm

