



neoStat-E



## neoStat-e Thermostat

### Electronic wireless programmable thermostat/timer

The neoStat-e is a fully programmable touch button thermostat specifically designed for electric underfloor heating.

Operate this intelligent thermostat remotely using a wireless hub and smartphone app, or use the neoStat-e as a thermostat timer.

#### Smart Wireless Control

The neoStat-e can be combined with a neoHub to become a wireless thermostat that is easily accessed from anywhere using an app.

Control of your underfloor heating is possible from any location providing you have a smartphone with iOS, Android, or Windows operating system and download the app.

Using geo-location to track the position of your mobile phone, the neoStat-e can calculate when to switch your underfloor heating off if you have left the property and on again before your return.



#### Connected Heating

The neoHub can control multiple rooms by communicating with a series of individual neoStats, as part of a networked solution around the home.

NeoStat-e thermostats operate using a 'mesh' network, allowing them to send and receive signals between each unit connected to the network. Simply plug the neoHub into your router and download the neoApp using a suitable smartphone to utilise the neoStat-e's wireless capabilities.

The neoHub links to your own broadband connection. When the neoHub is switched on a wireless symbol is visible on the neoStat-e screen indicating connection to the network.



Available in Black, White or Silver with or without the neoHub

## Heat Mat

### Underfloor Heating

Call 01444 247020  
to find out more or  
visit our website at  
[www.heatmat.co.uk](http://www.heatmat.co.uk)

#### neoStat-e Features

- Easy to use
- Touch button operation
- Control wirelessly using a neoHub
- Access an app on iOS, Android and Windows devices
- Program heating to reflect your routine with 5/2 days, 7 days or 24 hour options
- Choose between 4 different heating levels for comfort
- Holiday mode and frost protection
- Switch the thermostat to manual for the simplest control
- Floor and room sensors
- Controls up to 16 Amp/3600W of underfloor heating directly without the need for a contactor
- Keylock to prevent changes
- Available in black, white or silver
- Mesh networking facility
- Flush mounted, fits standard 35mm back box

#### Compatible with



Heating mats



Undertile heating cables



FlexHeat cables



6mm heating cables



Underlamine heating mats



The neoStat-e is a flexible device and can be used as either a thermostat or time clock (the default setting is thermostat).

### neoStat-e Functions

This flexible smart controller can be programmed to suit your lifestyle. Options include a 5/2 day schedule to reflect a weekday/weekend routine, a 7 day schedule to maintain the same settings throughout the week or manual mode.

When neoStat-e devices are connected to the 'mesh' network using the neoHub programming can be controlled via the neoApp.

The thermostats are supplied with default pre-programmed temperatures at four intervals per day. These settings are as follows and can easily be changed if desired:

07.00am - 21°C

09.00am - 16°C

04.00pm - 21°C

10.00pm - 16°C

### Specialist modes for easy control:

#### Holiday mode

Holiday mode enables you to override the timing schedule while away. The heating temperature is reduced to the frost protection setting for your holiday period by simply programming the number of days you're away.

The neoStat-e is automatically switched back to your normal timing schedule for your return.

#### Frost mode

Frost mode can be used in conjunction with holiday mode or activated if you wish the thermostat to be switched off in a room unless the temperature drops below a certain level. Frost mode is only activated once the room temperature drops below the preset frost temperature. This setting is represented by a snowflake icon on the screen.

#### Temperature hold

Temperature hold is a flexible manual override of the running heating program to turn the temperature up or down for a desired period.

#### Manual operation

Like all Heat Mat thermostats, the neoStat-e can also be operated as a manual thermostat without programming timings.

#### Timer for electronic devices

The neoStat-e can be operated as a time clock switching your electric underfloor heating on and off using a 24 hour format. The time clock can be connected to the neoHub and run wirelessly from the network.

The thermostat can be used as a timer for consistent control of other electronic devices in the home such as lighting and towel rails. The neoApp works with these other household items and a second neoStat-e could be installed to control the underfloor heating.

### neoStat-e Underfloor Heating Thermostat Technical Specification

Supply Voltage	230 V AC
Output delay	00-15 Minutes (00=default)
Maximum switching current	16A
Temperature range	5 -35°C, 41-95°F
Up/down temp limit	00°-10°C (00=Default)
Floor temp limit	20°- 45°C (28°C=Default)
Floor sensor	3 metre
Heating schedule	4 comfort levels per day
Frost protection	7°C-17°C (12°C=Default)
Optimum start	00-05 Hour (00=Default)
Accuracy +/-	1°C
Adjustable switching differential	1°C-3°C
IP rating	IP20
External sensor type	NTC (10 K $\Omega$ ) 3m
Dimensions (L/H/D)	85/85/15mm
Display	Backlit blue LCD screen
Weight	150g

#### Wiring

Heating systems must always be controlled by a suitable electric underfloor heating thermostat with floor temperature limitation. Heat Mat thermostats are rated to 16 Amps, and if a system exceeds this loading a suitably rated contactor should be used. The circuit must be protected by a 30mA RCD and suitably rated fuse or circuit breaker.



### About Heat Mat

With more than 1,200,000m<sup>2</sup> of underfloor heating installed, 19 years' experience of the UK underfloor heating market and a wealth of knowledge on Scandinavian ice and snow melting systems, you can rely on Heat Mat to understand your needs and supply the products to satisfy your requirements.

This is why we are the Professional's Choice, the number one supplier of electric underfloor heating and ice and snow melting systems to the UK's professional installation market.



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## Heat Mat Underfloor Heating



To see our full underfloor heating product range please follow this link.