

NGTouch
Thermostats

Heat Mat

Underfloor Heating

Call 01444 247020
to find out more or
visit our website at
www.heatmat.co.uk

NGTouch Features

- Easy to use, quick to navigate
- Fast reacting screen – uses a premium processor
- Full colour resistive touchscreen
- Available in ivory, silver or black with the option to upgrade to a premium frame in chrome, glass, brass, wood or brushed aluminium
- Features four lifestyle modes
- See energy use over a week, a month or a year
- Monitor energy use in kW and £'s
- Switch the thermostat to manual for the simplest control
- Download diagnostic data using a QR code for technical support
- Exclusive to Heat Mat
- Floor and room sensors
- Controls up to 16 Amp of underfloor heating directly without the need for a contactor
- Includes built-in interrupter
- Made in Denmark
- Covered by a Lifetime Warranty

NGTouch Thermostat

Electronic colour touchscreen thermostat/timer

Heat Mat's exclusive NGTouch thermostat is a simple to use colour, touchscreen electric underfloor heating thermostat, ideal for controlling any of Heat Mat's electric underfloor heating or other manufacturer's systems.

This thermostat is the latest model in Heat Mat's popular NGT range, and like all other Heat Mat thermostats, it is manufactured in Denmark in collaboration with OJ Electronics.

The NGTouch provides fully-automated and flexible underfloor heating control to suit the owner's daily schedule. The simple touchscreen interface and menu navigation structure are easy to use. The thermostat is supplied with various lifestyle modes including holiday, comfort, frost protection and boost for an hour of full-power warmth.

The NGTouch allows different week types to be programmed depending on the owner's routine. Each day is split into distinct 'events' allowing the homeowner to create a personalised heating schedule.

This intelligent thermostat has energy-saving features including an Eco mode and energy-monitoring data graphs allowing the owner to keep track of their electricity consumption on a weekly, monthly or annual basis.

Another intelligent feature is the 'Adaptive Function' designed to learn the heat characteristics of a room and turn the underfloor heating on before an event, to ensure the system is operating at maximum efficiency.

The NGTouch can also be operated in manual mode, by simply increasing or decreasing the temperature using arrows on screen.

NGTouch screens

NGT-2.0-STND in Polar White

Home
screen

NGT-2.0-SILV

Mode
screen

Available in white, silver or black with standard or premium frames

Compatible with



Heating mats



Undertile heating cables



FlexHeat cables



6mm heating cables



Underlamine heating mats



Lifestyle Modes

The thermostat offers a number of lifestyle 'modes' for easy temperature control. These modes are accessed via the Mode menu on the home screen and include: Comfort, Boost, Frost Protection, Holiday and Eco (found in the Advanced Options menu). These modes override the programmed heating schedule and provide homeowner's with a quick way to adjust the thermostat, whilst retaining their day-to-day heating settings.

Comfort mode - This will override the current heating program and allow manual adjustment of the target temperature for up to 24 hours. This might be used if the owner wanted to heat a room, that might normally be unheated, for a short time.

Boost mode - the underfloor heating is boosted to full power. After one hour, the thermostat returns to the 'default schedule' or programmed operation. This could be used when returning to a cold room to warm the space as quickly as possible.

Frost protection mode - used when heating is not needed but the temperature must be kept above freezing. This is usually used in holiday cottages, outbuildings or properties that may be left unattended for long periods of time.

Holiday mode - this allows the heating to be set to a minimum while the homeowner is away on holiday, saving both energy and money. Holiday start and end dates must be set and the thermostat will ensure that your floor is kept above freezing and your home is warm when you return.

Heating Schedule

The thermostat comes with a pre-programmed 'event' schedule for easy and economic heating control. This can easily be personalised to reflect a homeowner's routine and automatically follow a 4 or 6 event schedule for each day of the week.

Eco mode and energy efficiency

Eco Mode reduces the energy spent on unnecessary heating if a room or house is temporarily vacated during a scheduled heating event, or a homeowners routine is interrupted.

Adaptive function

Adaptive function remembers the heat characteristics of rooms and adjusts the thermostat accordingly, to bring the room up to temperature for the start of each programmed event. After a few days, the adaptive function will have automatically calculated when the heating must be turned on/off to achieve this and it will adapt with the seasons to ensure the system runs efficiently. If enabled, adaptive function will be active prior to every event to reach the target temperature.

QR data for technical support

The NGTouch has a diagnostic function for use with smartphones. The thermostat provides a QR read-out of each individual thermostat's technical data to provide energy usage graphs and diagnostic assistance. Once the QR code has been scanned using an app, the data can then be emailed to Heat Mat's Technical Support Team.

NGTouch Underfloor Heating Thermostat Technical Specification

| | |
|----------------------|-------------------------------------|
| Supply Voltage | 100-240V AC + 10% 50/60Hz |
| Output relay | Max 16A, make contact SPST - NO |
| Interrupter | 2-pole, 16A |
| Temperature range | +5 / +40°C |
| Floor limit range | +5 / +40°C |
| Heating schedule | 4- or 6-event program |
| Wireless | No |
| Battery backup | 5 years |
| Ambient temperature | 0/+40°C during operation |
| On/Off differential | 0.4°C |
| Regulation principle | PWM/PL |
| Housing | IP21 |
| External sensor type | NTC (12K Ω) 3m |
| Dimensions (H/W/D) | 82/82/40mm (23mm depth) |
| Display | 176x220 pixel TFT - Resistive touch |
| EU registered design | DM/082270 |

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 1,400,000m² of underfloor heating installed, 22 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 Professionals' 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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Underfloor Heating



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