

Our ultimate underfloor heating controller



HEATMAT
UNDERFLOOR HEATING

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

HMT5 WiFi Controller

Simple colour touchscreen thermostat/timer

Heat Mat's HMT5 WiFi controller offers remote operation from anywhere in the world via its companion App, while the full width colour touchscreen also allows easy in-home control. This electric underfloor heating thermostat can be used to control any brand of electric underfloor heating.

The HMT5 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 and the controller is supplied with various lifestyle modes including holiday, boost and full manual control for times when a simple up/down controller is desired.

The wireless App control enables all aspects of the setup and operation of the thermostat to be carried out via the simple to use App. You can choose to individually control a single thermostat, or combine multiple thermostats to create heating zones.

The intelligent controller learns the heat characteristics of a room using its adaptive function and starts the heating warming at the perfect time to ensure the room is heated up to the desired temperature in the most energy efficient manner.

The controller can be used to operate any of Heat Mat's systems and it is also designed to be backward compatible with all other brands of electric underfloor heating.

The HMT5 can be used to upgrade any mains-voltage electric underfloor heating controller and uniquely it has native compatibility with all values of floor sensor so there is no requirement to fit a new one (compatible with 10kΩ, 12kΩ, 15kΩ and 100kΩ sensors).

HMT5 features

- High Definition 4.0" TFT colour touch screen
- Direct WIFI connection; no need for an additional hub
- Easy App control through Android or Apple
- 4 working modes to suit any requirements
- 4 timed events / day for ultimate control of your heating
- Adaptive heating and open window function for energy saving
- Floor temperature sensor to protect floor coverings
- Integrated room temperature sensor
- Easy to use & responsive user interface
- Tamper safe option with key lock
- Lot20 Ecodesign compliant
- Works with 230v floor heating from all manufacturers
- Designed in Denmark
- Covered by a 3 year Warranty

Links to Tuya Smart app



Android



iOS

Compatible with



Heating mats



5mm heating cables in screed



Undertile heating cables



Underlamine heating mats



Simple Connection

The built-in connection wizard ensures that connection to your WiFi network is simple and trouble free. Connecting the App to each thermostat takes a matter of seconds and as each thermostat has built-in WiFi there is no need for a separate hub. Once connected, multiple thermostats can be controlled via a single App, and you can use your account on multiple devices.

If a wireless connection is not available for any reason you can still access all functions of the thermostat through the conventional touch screen.

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.

Lifestyle Modes

The thermostat offers a number of lifestyle 'modes' for easy temperature control. These modes are accessed via the menu on the home screen and include: Manual, Boost and Holiday. These modes override the programmed heating schedule and provide the homeowner with a quick way to adjust the thermostat, whilst retaining their day-to-day heating settings.

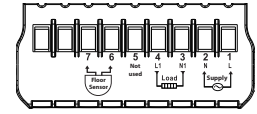
Manual mode - this turns the controller into a simple manual up/down controller with the desired temperature being adjusted from the home screen.

Boost mode - the underfloor heating is boosted to full power. For the chosen period of time. Once this time has passed 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.

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 the floor is kept above freezing and the home is warm when they return.

CONNECTIONS

TERMINAL NO.	DESCRIPTION
1	Power supply [L]
2	Power supply [N]
3	Load [N1]
4	Load [L1]
5	Not used
6	
7	Floor sensor kΩ [10·12·15·100]



HMT5 Underfloor Heating Controller Technical Specification

Supply Voltage	100-240 V AC + 10% 50/60Hz
Output relay	Max 16A
Interrupter	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 (10KΩ) 3m
Sensor compatibility	10KΩ, 12KΩ, 15KΩ, 100KΩ sensors
Dimensions (H/W/D)	86/86/41mm (23mm depth)
Recommended backbox	60mm depth
Colour	White RAL9003
Colour	Black RAL7021
Display	4" TFT – Resistive touch
Standards	UKCA/CE/RoHS/Lot20 Ecodesign
Approvals	CE, VDE, BEAB, NEMKO, UKCA

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

Heat Mat is part of the Heatcom group of companies, one of Europe's largest underfloor heating manufacturers. With Heat Mat's 25 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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