

# MAPEHEAT THERMO BASIC

Programmable floor heating thermostat



## DESCRIPTION

**Mapeheat Thermo Basic** is a digital timer thermostat for the Mapeheat floor heating systems, equipped with a large digital display and intuitive software for optimal ease of use.

### FEATURES AND BENEFITS

- Intuitive wizard-based first time set-up of the thermostat
- 2 pole main power switch for maintenance purposes
- Clear big Dot Matrix LCD display (100 x 64 pixels) with blue backlight
- Energy savings thanks to the adaptive function. The thermostat calculates when it needs to start heating in order to reach the temperature at desired time of the weekly schedule.
- Child lock to prevent accidental changes on the thermostat
- Different display settings possible:
  - See the set temperature or the actual temperature on the screen
  - Show/hide time and date
  - Reverse background
  - Activate/deactivate the screen saver
- Energy monitoring to visualize energy consumption over different periods of time
- Temperature calibration possible to adjust to the specific floor construction of the room
- Temperature scale to limit the thermostat to Min-Max temperatures in order to protect sensitive floors
- Supported Software languages: English, German, Dutch, French, Russian, Lithuanian, Polish, Czech, Swedish, Finish, Norwegian
- Manufacturers limited 2 year warranty

## COLOUR

**Mapeheat Thermo Basic** is available in white.

## PACKAGING

**Mapeheat Thermo Basic box contains:**

- **Mapeheat Thermo Basic** thermostat
- Switch Gear Frame
- 1 Square Front Plate
- Floor Sensor
- Installation Manual

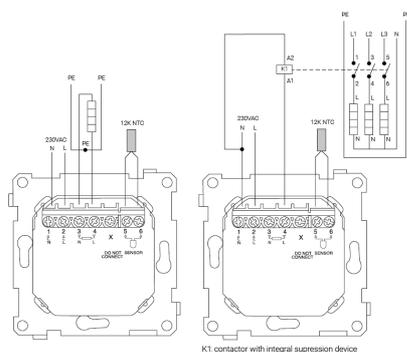
## SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Mapeheat Thermo Basic is an article and referring to the current European regulations (Reg. 1906/2007/CE - REACH) does not require the preparation of the safety data sheet. During use it is recommended to wear gloves and goggles and follow the safety requirements of the workplace.

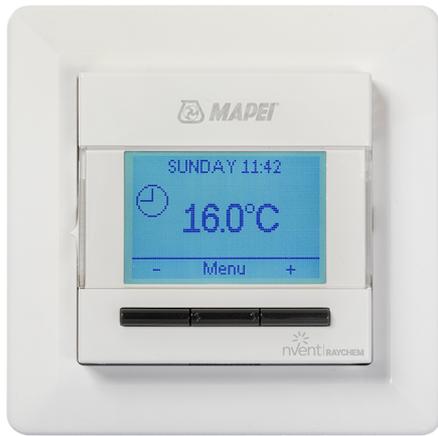
PRODUCT FOR PROFESSIONAL USE.

## TECHNICAL DATA

TECHNICAL DATA (typical values)	
Supply voltage:	230 VAC +/- 10%, 50Hz
Relay output:	Heating cable 230 V, max 13 A
Temperature range floor sensor:	5°C to +40°C
Temperature range room sensor:	5°C to +40°C
Limitation of range:	Low +5°C/High +40°C
Ambient temperature-operation:	0°C to +25°C
Ambient temperature-transport:	-20°C to +70°C
Accuracy floor sensor:	0.2°C in the range 0°C to +40°C
Accuracy room sensor:	0.2°C in the range 0°C to +40°C
Temperature control method:	PID
Control modes:	Floor sensor Room sensor Room sensor with floor limiter No sensor
Clock function:	1 to 6 events/day 7 days/week 1 temperature per event
Back-up for set values:	Non-volatile memory
Back-up for time and date:	Minimum 5 years of storage Minimum 10 years if powered 50% of the time
Protection class:	IP21
Terminals:	2,5 mm <sup>2</sup> Screw cage clamp
Floor sensor:	12k at +25°C +/- 0.75°C (no:38165)
Max length of floor sensor:	100 m, 2 x 1,5 mm <sup>2</sup> (230 VAC cable)
Diameter sensor cable:	4.5 mm max. (preferred < 3.5 mm)
Diameter sensor tip:	5.0 mm , +/-0.1 mm
Dimensions with frame:	84 X 84 X 40 mm
Color Square front:	9003
Color switch gear frame:	9003
Approvals:	CE & UKCA EN 60730-1:2011 & EN 60730-2-9:2010



WIRING DIAGRAM



## N.B.

*Whilst we try to ensure that any advice, recommendations or information given in our literature is accurate and correct, we have no control over the circumstances in which our product is used. It is therefore important that the end users satisfy themselves that the product and conditions are suitable for the envisaged application.*

*No warranty can be given or responsibility accepted other than, that the product supplied by us will meet our written specification.*

*End users should ensure that our latest product data and safety information sheets have been consulted prior to use.*

**Please refer to the current version of the Technical Data Sheet, available from our website [www.mapei.co.uk](http://www.mapei.co.uk)**

## LEGAL NOTICE

*The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in force at the time of the MAPEI product installation.*

*The most up-to-date TDS can be downloaded from our website [www.mapei.co.uk](http://www.mapei.co.uk).*

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