MAPEHEAT THERMO CONNECT

Programmable WiFi-enabled smart thermostat for floor heating systems

DESCRIPTION

Mapeheat Thermo Connect is a WiFi-enabled smart , floor-sensing thermostat has been designed specifically for today's smart home. Homeowners can monitor, control and program their *Mapeheat* floor-heating system through the *Mapeheat Thermo Connect* thermostat, via a free smartphone app (iOS and Android) or any Web browser. Homeowners can access a super-intuitive user interface using the colour touchscreen display.

FEATURES AND BENEFITS

Attractive design:
• Flat front with full colour capacitive touchscreen
• Unique nVent RAYCHEM look and feel
• Mountable as stand-alone thermostat or in single or multiple gang switch gear frames
Ease of use:
• Swipe and touch navigation
• Big icons in the central menu
• Scroll for list selection
• Wheels for temperature selection
7 Operating modes:
• 3 Economic programs
• 1 Constant mode
• 1 Flexible Boost (flexible and temporary override of economic or constant mode)
• 1 Holiday mode
• 1 OFF mode
Energy efficient:
• 3 Economic programs to suit everyone's needs
• Smart and precise adaptive function
• Calculates when to start heating to reach desired temperature when required
• Adapts to the environment
• Adapts to the floor construction
• Window open function
• Optimum heat management with 2 sensors (ambient & floor sensor)
Flexible:
• Compatible with switch gear frames
• Compatible with a variety of floor sensors
• 3 Economic modes with flexible number of events per day
Wireless:
• WiFi 802.11 b/g/n
Control modes:
• Floor sensing
• Room sensing
• Room sensing with floor limiter
• No sensor
Remote Control
• Homeowners can monitor, control, and program their *Mapeheat Thermo Connect* thermostat via the free SENZ-WIFI smartphone app (iOS and Android).
• Home owners can control their heating using the Amazon Alexa compatible smart speakers (for details on the setup

also consult the document EU1800).
• Home owners can control their heating using the Google Assistant compatible smart speakers (for details on the setup also consult the document EU1801).
• System integrators can use the Open RESTful API documentation to develop custom integration to existing BMS systems. Full RestAPI documentation available on:https://api.senzthermostat.nvent.com/
• Manufacturers limited 2 year warranty

PACKAGING

Mapeheat Thermo Connect box contains:
• **Mapeheat Thermo Connect** thermostat
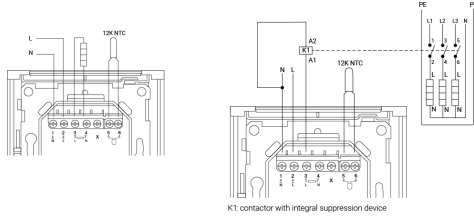• Optional Front Plate
• Floor Sensor
• Installation Manual

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Mapeheat Thermo Connect 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.
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 mm2 Screw cage clamp
Floor sensor	12k @ 25°C +/- 0.75°C (no:38165)
Max length of floor sensor	100 m, 2 x 1,5 mm² (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
Colour Round front	9010
Colour Square front	9003
Colour switch gear frame	9010
Approvals	CE, UKCA, VDE

K1: contactor with integral suppression device

WIRING DIAGRAM

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.
Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.co.uk

LEGAL NOTICE

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