



## PRODUCT FEATURES

- Z-Wave thermostat
- Floor sensor
- Internal room sensor
- Temperature limiter
- SmartStart
- Weekly schedule
- Temperature readout in gateway
- External room sensor (wired by cable)
- Supports encryption modes S0, S2 Authenticated Class, S2 Unauthenticated Class
- Firmware update (OTA)
- Active power metering
- Relay status LED
- Single poled switch
- Lock mode/child lock
- Temperature calibration
- 5 associations

## PRODUCT DATA

Colour	Black RAL 9011
Min. and max ambient humidity (RH%)	10 to 85%
Ambient temperature range in use	5 to 40°C

## THERMOSTAT DATA

Compatible NTC-sensors (kΩ @ 25°C)	10, 12, 15, 22, 33, 47
Error margin temperature	0,5
Temperature sensitivity	±0,5
Hysteresis	0,3 to 3,0 (default hysteresis 0,5)
Ohm value at 25°C	10kΩ
Max length of NTC sensor	50m
Regulation temperature	5 to 40°C

## STANDARDS

Certification	RoHS, Reach
IP Code	IP21

## WARRANTY

Warranty international	2 years
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## HEATIT Z-TRM3 BLACK RAL 9011

Z-Wave thermostat 3600W 16A 868,4 MHz

Art.no	5430598
GTIN	7071236016045

Smart thermostat.

Heatit Z-TRM3 is an electronic thermostat for electrical underfloor heating. The thermostat has a built-in Z-Wave chip that can be connected to control systems.

The thermostat fits in standard European wall boxes and can be used with most frames that are adapted to System 55. The thermostat has a built-in sensor and may be connected to two external sensors.

Heatit Z-TRM3 has active power metering and it gives you real time information about your power consumption.

The thermostat enables you to make associations with external relays and wall plugs.

Designed for electrical heating.

The thermostat can withstand a resistive load of up to 16A/3600W at 230VAC. For loads above 13A, we recommend using a contactor. The thermostat is designed for resistive loads. When using large resistive, capacitive, or inductive loads, a contactor should be used.

## IOT / SMART HOME SPECIFIC DATA

Z-Wave Frequency	Z-Wave - 868.4 MHz (EU)
Z-Wave Chip	Z-Wave 500 chip
Alternate IoT-communication protocols	No alternative communication protocols
Min radio frequency range	40m
Over The Air update (OTA)	Yes
Push buttons	3
Z-Wave encryption mode	S2 Authenticated Class S0 S2 Unauthenticated Class
Primary IoT Protocol	Z-Wave

## ELECTRO TECHNICAL DATA

Voltage	230VAC 50Hz
Max load (resistive load)	3600W
Own power usage	2W
Switch type	One-pole switch
Max load (resistive load)	16A
Connection type	Screw clamps
Connection terminals diameter	0.2 to 2.5mm <sup>2</sup>
Max tightening torque connections	2N·m
Voltage Output	230VAC 50Hz



## PRODUCT DIMENSIONS

Product height/diameter	84mm	Product Width	84mm
Product length	51mm	Product net weight	240g

## MAINTENANCE

The device is maintenance-free. Indoor use only.

## ADDITIONAL INFORMATION

Approved for use in bathrooms.

The product must be used with a security-enabled Z-Wave Controller in order to fully utilize security/encryption.

## PRODUCT INFO RETURN AND RECYCLING

The product must be recycled as electronic waste.

## DISCLAIMER

The thermostat can withstand a resistive load of up to 16A/3600W at 230VAC. For loads above 13A, we recommend using a contactor. The thermostat is designed for resistive loads. When using large resistive, capacitive, or inductive loads, a contactor should be used.

General info;

Worth noting regarding correct installation of thermostats.

When two or more thermostats are mounted too close to each other, the heat they emit, can interfere with the temperature sensors and the temperature in the junction box becomes too high. This can cause inaccurate temperature readings, especially under high load, leading to incorrect heating control. To avoid such issues, thermostats should be installed as far apart as possible and always in separate junction boxes. This ensures more accurate temperature readings.

In multi-frames with multiple units, the thermostat should always be mounted at the bottom, and no more than one thermostat should ever be installed in a multi-frame.

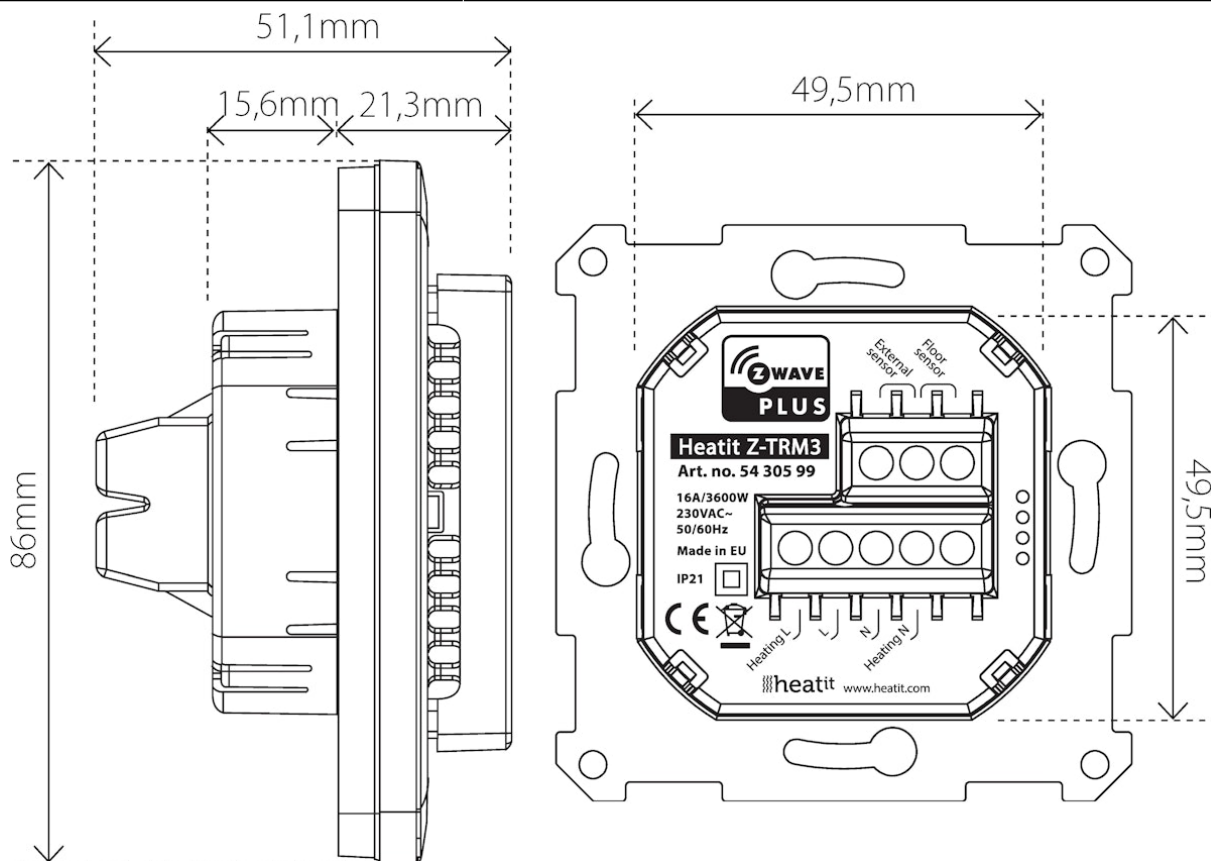
We develop and design our products according in accordance with our strict quality requirements (ISO 9001) and environmental requirements (ISO 14001).

All electrical installations must be carried out by an authorized electrical installer. The product must be installed in accordance with our installers manual and national building codes. Any wrongful installation, misuse, damage of the product, is not covered under warranty.

Updated documentation is available at [www.heatit.com](http://www.heatit.com) and/or [documents.heatit.com](http://documents.heatit.com)

Heatit Controls AB can not be held liable for any type of errors or omissions in our product information.

Product specifications may change without further notice.



**Heatit Z-TRM3 Black RAL 9011 can be ordered from  
[www.heatit.com/5430598](http://www.heatit.com/5430598)**

All additional documentation are available on the above adress and on [documents.heatit.com/5430598](http://documents.heatit.com/5430598)

