HEATIT Z-TRM6 WHITE RAL 9003

Z-Wave thermostat 3600W 16A 868.4 MHz

Art.no	5430566
GTIN	7071236018063

Smart thermostat. Heatit Z-TRM6 is an electronic thermostat designed for electrical heating and water based heating control. The thermostat can be controlled through your Z-Wave network, or via the buttons on the front of the thermostat. The thermostat features a user-friendly interface, complies with the Eco-Design directive and has an easy-to-read LED display.

Heatit Z-TRM6 has 3 modes; Heat - Cool and Eco.

The thermostat fits in standard European junction boxes and may be used with most System 55 frames. It has a sturdy metal frame for secure fastening in the junction box. The thermostat has one built-in room temperature sensor. Two additional external temperature sensors may also be connected.

Heatit Z-TRM6 has active power metering, and it gives you the real time information about the power consumption. It also allows you to set the power metering value manually in case of connection with a contactor.

The device is equipped with ZeroX™ technology, which ensures the relay switches at 0V when turning on and off. This technology significantly extends the thermostat's lifespan.

The thermostat can be set up with multiple associations and can be used as a master thermostat. It can control up to 10 thermostats and 10 external relays e.g wall plugs.

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.

PRODUCT FEATURES

- Z-Wave
- Internal room sensor
- Floor sensor
- 3 modes: Heat - Cool - Eco
- Power regulator
- Temperature limiter
- Temperature calibration
- Hysteresis/PWM
- ZeroX™ detection
- Open window detection
- External room sensor (wired by cable)
- Supports encryption modes S0, S2 Authenticated Class, S2 Unauthenticated Class

- Relay status icon
- Adjustable display brightness
- Single poled switch
- Lock mode/child lock
- Temperature readout in gateway
- Weekly schedule in gateway
- Active power metering
- SmartStart
- Firmware update (OTA)

PRODUCT DATA

Ambient temperature range in use	5 to 40℃
Ambient temperature range in storage	-30 to 70℃
Min/max installation temperature	5 to 40℃
Min. and max ambient humidity (RH%)	10 to 85%
Colour	White RAL 9003
Mounting	European Junction Box

THERMOSTAT DATA

Regulation temperature	5 to 40℃
Compatible NTC-sensors (kΩ @ 25℃)	6.8, 10, 12, 15, 22, 33, 47, 100
Power regulator	Timed cycle 0-30 minutes
Temperature sensitivity	±0,5
Error margin temperature	0,5
Hysteresis	0,3 to 3,0 (default hysteresis 0,5)
Ohm value at 25℃	10kΩ
Max length of NTC sensor	50m

ADDITIONAL INFO

IP Code	IP21
Certification	Reach, RoHS
Warranty international	2 years
Customs number	90321000
Country of origin	CN

IOT / SMART HOME SPECIFIC DATA

Primary IoT Protocol	Z-Wave
Z-Wave Frequency	Z-Wave - 868.4 MHz (EU)
Z-Wave Chip	Z-Wave 800 chip
Z-Wave encryption mode	S2 Unauthenticated Class S0 S2 Authenticated Class
Min radio frequency range	40m
Push buttons	3
Temperature measurement range	-10 to 60℃
Over The Air update (OTA)	Yes

ELECTRO TECHNICAL DATA

Voltage	230VAC 50Hz
Voltage Output	230VAC 50Hz
Grounding	No
Switch type	One-pole switch
Own power usage	2W
Max load (resistive load)	3600W
Max load (resistive load)	16A
Connection terminals diameter	0.2 to 2.5mm²
Max tightening torque connections	2N·m
Connection type	Screw clamps

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CONTROLS

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PRODUCT DIMENSIONS

Product height/diameter	84mm	Product Width	84mm
Product length	45.5mm	Product net weight	135g

MAINTENANCE

The device is maintenance-free. Indoor use only.

ADDITIONAL INFORMATION

Approved to be used in bathrooms.

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

ZeroX™ Detection is pronounced Zero Cross Detection.

Heatit Controls AB declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

Standards: CE, Nemko, Z-Wave Plus

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.

Never change the front from one thermostat to another.

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.
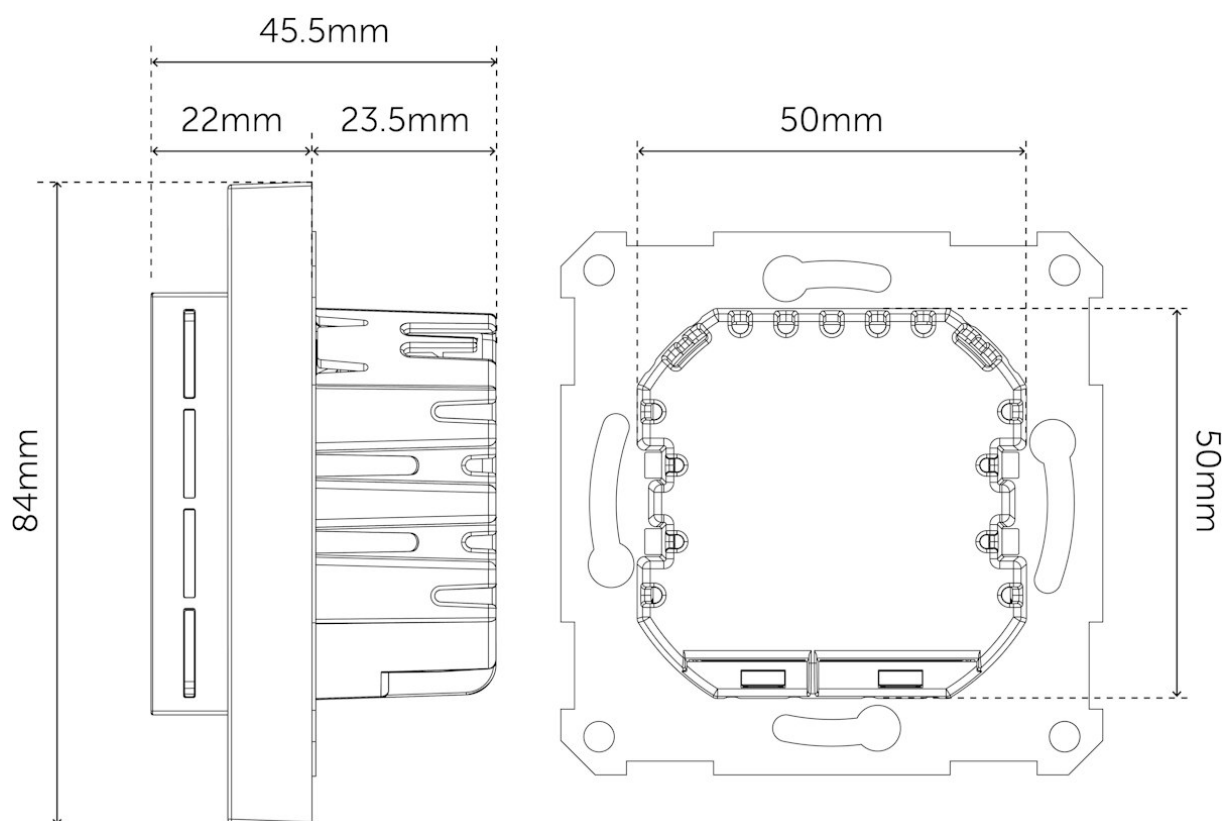
Updated documentation is available at www.heatit.com and/or documents.heatit.com
Heatit Controls AS can not be held liable for any type of errors or omittances in our product information.
Product specifications may change without further notice.

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HEATIT Z-TRM6 THERMOSTAT
DIMENSIONS

45.5mm

22mm | 23.5mm

84mm

50mm

50mm

Heatit Z-TRM6 White RAL 9003 can be ordered from www.heatit.com/5430566

All additional documentation are available on the above adress and on **documents.heatit.com/5430566**

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