
## HEATIT Z-TRM6 BLACK MATT

Z-Wave thermostat 3600W 16A 868.4 MHz

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|---|---|
| **Art.no** | 5430568 |
| **GTIN** | 7071236018087 |

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 LCD 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.

Electrical Load Compatibility
The thermostat is designed specifically for resistive loads.
When controlling large resistive, capacitive, or inductive loads, it is essential to use an appropriate contactor to protect the thermostat from excessive load to ensure safe operation.

The thermostat can withstand a resistive load of up to 16A/3600W at 230VAC. For loads above 13A, we recommend using a contactor.

## 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)
- 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)
- Supports encryption modes S0, S2 Authenticated Class, S2 Unauthenticated Class

## PRODUCT DATA

| | |
|---|---|
| Ambient temperature range in use | 5 to 40°C |
| Ambient temperature range in storage | -30 to 70°C |
| Min/max installation temperature | 5 to 40°C |
| Min. and max ambient humidity (RH%) | 10 to 85% |
| Material | Polycarbonate (PC) |
| Colour | Black |
| Mounting | European Junction Box<br>System 55 |

## THERMOSTAT DATA

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|---|---|
| Regulation temperature | 5 to 40°C |
| Compatible NTC-sensors (kΩ @ 25°C) | 6.8, 10, 12, 15, 22, 33, 47, 100 |
| Outbound connections | 1 |
| 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°C | 10kΩ |
| Max length of NTC sensor | 50m |

## ADDITIONAL INFO

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

## IOT / SMART HOME SPECIFIC DATA

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|---|---|
| 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 Authenticated Class<br>S2 Unauthenticated Class<br>S0 |
| Min radio frequency range | 40m |
| Push buttons | 3 |
| Temperature measurement range | -10 to 60°C |
| Over The Air update (OTA) | Yes |

## ELECTRO TECHNICAL DATA

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|---|---|
| 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 |
| Method of control | Button regulation<br>Regulation via gateway |

## PRODUCT DIMENSIONS

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|---|---|---|---|
| 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

Expected Response Time in Z-Wave-Based Systems.
Z-Wave–based smart home systems use wireless communication in a mesh network, where each command is confirmed before it is considered completed. When a wireless device, such as a switch, thermostat, or sensor, is used to control another device (for example a dimmer or relay), the command is transmitted as a radio signal. The signal may be routed through one or more devices in the network before it reaches its destination.
Control may take place directly between devices or via a central unit (gateway). When scenes, associations, automations, or central logic are used, the command is processed there before being forwarded, which may result in a slight delay compared to direct wired control.
A delay of approximately 0.5–2 seconds is considered normal and expected in Z-Wave systems, and will vary depending on network structure, number of devices, signal path, and network load.

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

Approved to be used in bathrooms.

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.

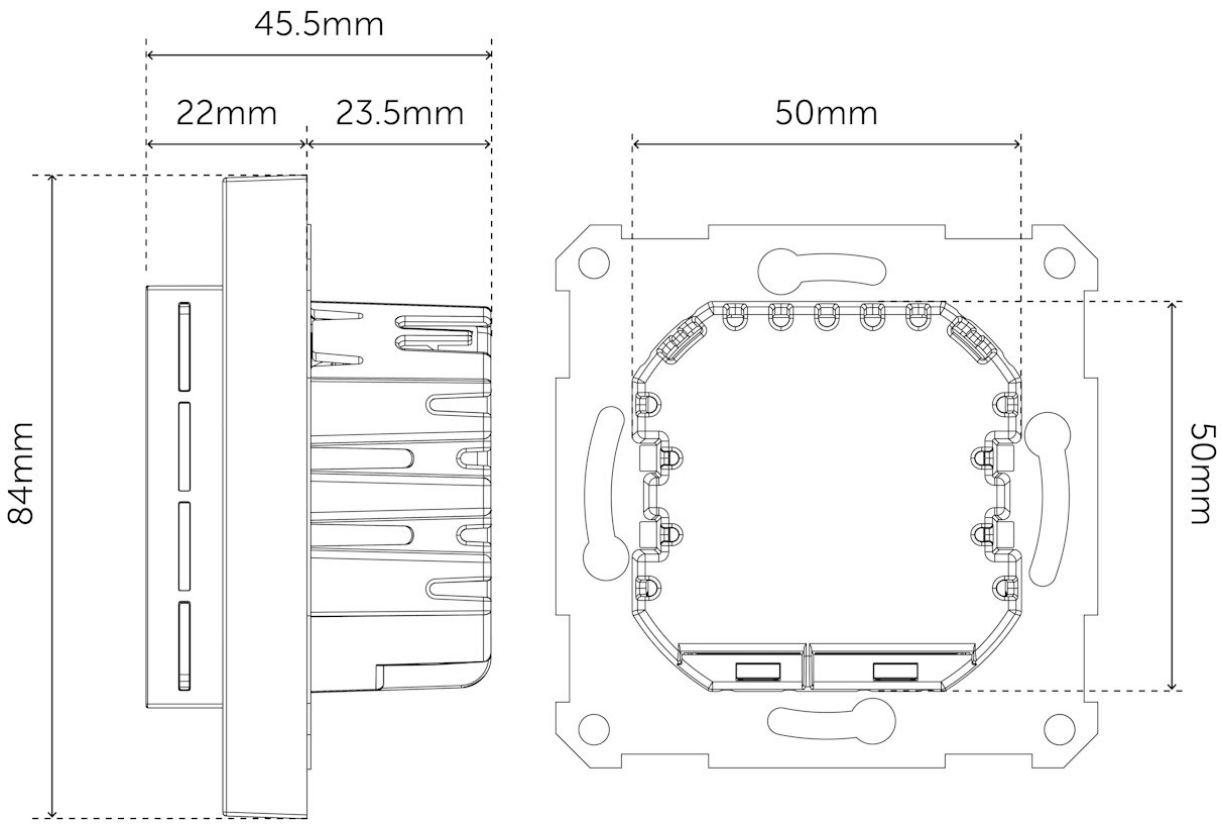
The product must be used with a security-enabled Z-Wave Controller in order to fully utilize security/encryption.

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.

# HEATIT Z-TRM6 THERMOSTAT

## DIMENSIONS




**Heatit Z-TRM6 Black matt can be ordered from www.heatit.com/5430568**

All additional documentation are available on the above adress and on **documents.heatit.com/5430568**