



## PRODUCT FEATURES

- Z-Wave thermostat
- Internal room sensor
- Floor sensor
- Temperature limiter
- Boiler control and heat pumps
- Control of actuators
- 3 modes: Heat - Cool and Eco
- Hysteresis/PWM
- Temperature calibration
- 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
- Manual power metering
- SmartStart
- Firmware update (OTA)

## 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%             |
| Colour                               | Black                 |
| Mounting                             | European Junction Box |

## THERMOSTAT DATA

|                                    |                                     |
|------------------------------------|-------------------------------------|
| Regulation temperature             | 5 to 40°C                           |
| Compatible NTC-sensors (kΩ @ 25°C) | 6.8, 10, 12, 15, 22, 33, 47, 100    |
| 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

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

## HEATIT Z-TRM6 DC BLACK MATT

Z-Wave thermostat 3A (Dry Contact) 868.4 MHz

|        |               |
|--------|---------------|
| Art.no | 5430563       |
| GTIN   | 7071236019008 |

Dry Contact thermostat.

Heatit Z-TRM6 DC is an electronic thermostat with a potential free relay, designed for boiler control, heat pumps and actuators. The thermostat can be controlled through your Z-Wave network or via the buttons on the front of the thermostat. The thermostat has a user friendly interface.

Heatit Z-TRM6 DC 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 on the junction box. The thermostat has one built-in room temperature sensor. Two additional external temperature sensors may also be connected.

Heatit Z-TRM6 DC allows you to set the power metering value manually.

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.

## IOT / SMART HOME SPECIFIC DATA

|                                       |  |
|---------------------------------------|--|
| Primary IoT Protocol                  | Z-Wave   |
| Alternate IoT-communication protocols | No alternative communication protocols                   |
| Z-Wave Frequency                      | Z-Wave - 868.4 MHz (EU)                                  |
| Z-Wave Chip                           | Z-Wave 800 chip  |
| Z-Wave encryption mode                | S2 Unauthenticated Class<br>S0<br>S2 Authenticated Class |
| Min radio frequency range             | 40m  |
| Push buttons                          | 3  |
| Temperature measurement range         | 5 to 40°C  |
| Over The Air update (OTA)             | Yes  |

## ELECTRO TECHNICAL DATA

|                                   |                           |
|-----------------------------------|---------------------------|
| Voltage                           | 230VAC 50Hz               |
| Voltage Output                    | Dry Contact               |
| Grounding                         | No                        |
| Switch type                       | One-pole switch           |
| Own power usage                   | 2W                        |
| Max load (resistive load)         | 3A                        |
| Connection terminals diameter     | 0.2 to 2.5mm <sup>2</sup> |
| Max tightening torque connections | 2N-m                      |
| Connection type                   | Screw clamps              |

## PRODUCT DIMENSIONS

|                         |        |                    |      |
|-------------------------|--------|--------------------|------|
| Product height/diameter | 84mm   | Product Width      | 84mm |
| Product length          | 45.5mm | Product net weight | 165g |

## 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.

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 device has a built-in potential free relay of max 3A that is designed for the usage of up to 3x 24VDC actuators.

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.

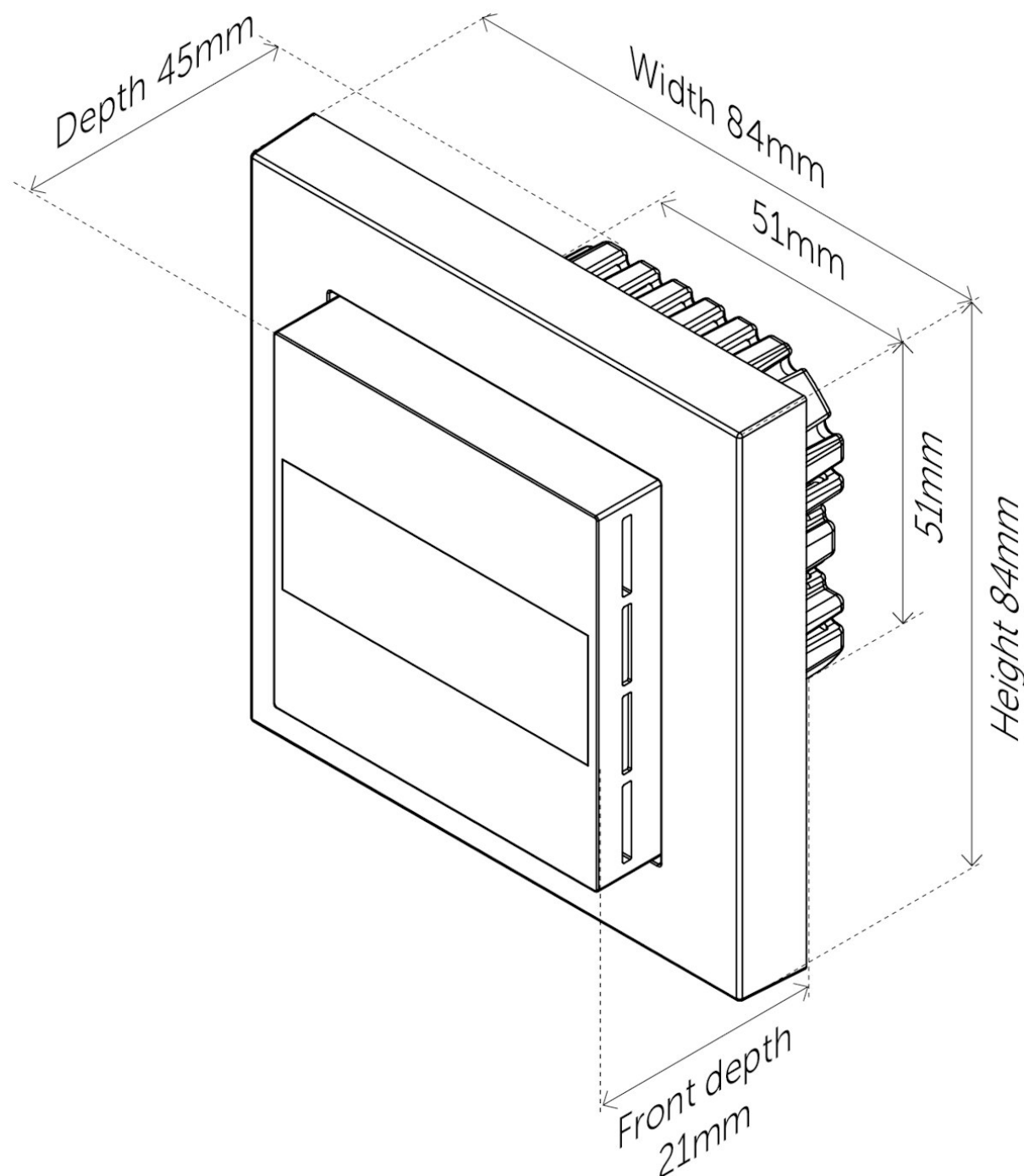
We develop and design our products according in accordance with our strict quality requirements (ISO 9001) and environmental requirements (ISO 14001).

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 AS 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-TRM6 DC Black Matt can be ordered from**  
**[www.heatit.com/5430563](http://www.heatit.com/5430563)**

All additional documentation are available on the above adress and on **[documents.heatit.com/5430563](http://documents.heatit.com/5430563)**

