# HEATIT Z-TRM6 DC BLACK MATT

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

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

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.

## PRODUCT FEATURES

Z-Wave thermostat
Internal room sensor
External room sensor (wired by cable)
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
Relay status icon
Adjustable display brightness
Single pole switch
Lock mode/child lock
Temperature readout in gateway
Weekly schedule in gateway
Manual power metering
SmartStart
Firmware update (OTA)
Supports encryption modes S0, S2 Authenticated Class, S2 Unauthenticated Class

## THERMOSTAT DATA

| | |
|---|---|
| Compatible NTC-sensors (kΩ @ 25℃) | 6.8, 10, 12, 15, 22, 33, 47, 100 |
| Error margin temperature | 0,5℃ |
| Temperature sensitivity | Temperature sensitivity ±0,5 |
| Hysteresis | 0,3 to 3,0 (default hysteresis 0,5) |
| Ohm value at 25℃ | 10kΩ |
| Regulation temperature | 5 til 40℃ |

## IOT / SMART HOME SPECIFIC DATA

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

## ELECTRO TECHNICAL DATA

| | |
|---|---|
| Voltage | 230VAC 50Hz |
| Own power usage | 2W |
| Switch type | One-pole switch |
| Max load (resistive load) | 3A |
| Connection type | Screw clamps |
| Connection terminals diameter | 0.2 til 2.5mm$^2$ |
| Max tightening torque connections | 2N·m |

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## 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.

## PRODUCT INFO RETURN AND RECYCLING

The product must be recycled as electronic waste.

## PRODUCT DATA

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

## STANDARDS

| | | | |
|---|---|---|---|
| Certification | RoHS<br>Reach | EN Standards | Nemko<br>Z-Wave Plus<br>CE |
| IP Code | IP21 | Heatit Controls AB declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. | 1 |

## WARRANTY

| | | | |
|---|---|---|---|
| Warranty Norway | 5 years | Warranty international | 2 years |

## LOGISTICAL DATA (F-PACK)

| | | | |
|---|---|---|---|
| Width | 90mm | Height/diameter | 70mm |
| Length | 90mm | Weight | 165g |
| GTIN | 7071236019008 | Unit | EA |
| Consists of unit | EA | Quantity | 1 |

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## LOGISTICAL DATA (M-PACK)

| | | | |
|---|---|---|---|
| Width | 205mm | Height/diameter | 104mm |
| Length | 375mm | Weight | 2240g |
| GTIN | 27071236019002 | Unit | BOX |
| Consists of unit | EA | Quantity | 10 |

## LOGISTICAL DATA (D-PACK)

| | | | |
|---|---|---|---|
| Width | 385mm | Height/diameter | 550mm |
| Length | 425mm | Weight | 23320g |
| GTIN | 37071236019009 | Unit | BOX |
| Consists of unit | BOX | Quantity | 100 |

## 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.
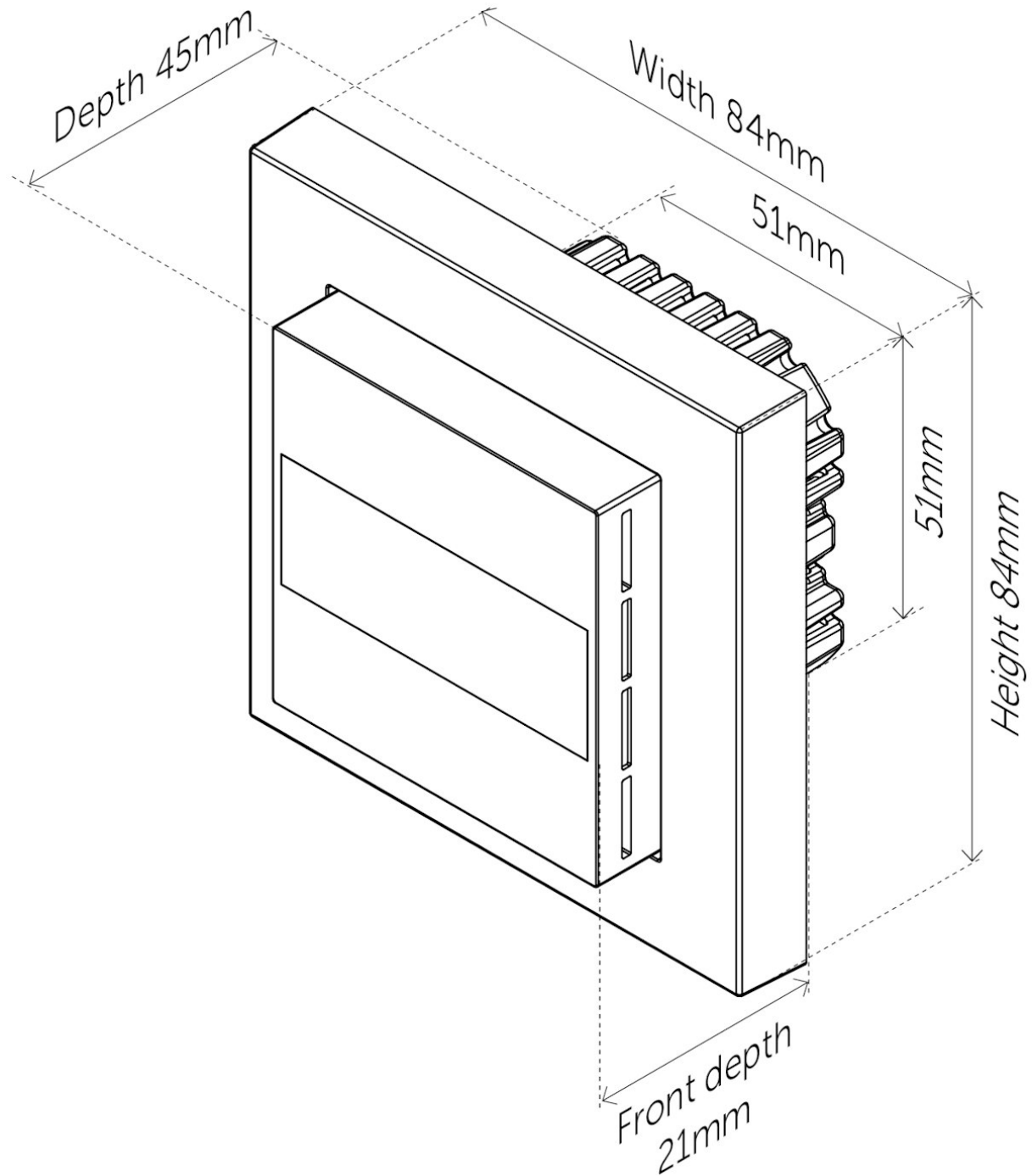
We develop and design our products according in accordance with our strict quality requirements (ISO 9001) and environmental requirements (ISO 14001).
All electrical installations must be carried out by an authorized electrical installer. The product must be installed in accordance with our installers 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 AB 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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Depth 45mm

Width 84mm

51mm

51mm

Height 84mm

Front depth 21mm

**Heatit Z-TRM6 DC Black Matt can be ordered from www.heatit.com/5430563**

All additional documentation are available on the above adress and on **documents.heatit.com/5430563**

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