

**HEATIT ZM THERMOSTAT 16A****EOL**

Z-Wave Thermostat 16A 868,4 MHz

**Art.no** 4512673**GTIN** 7071236016441

Heatit ZM Thermostat is an electronic thermostat for electrical underfloor heating designed for inwall installations. The thermostat allows you to control your electrical heating through your Z-Wave network.

The module is equipped with a 16A relay. The thermostat requires you to connect an external wired sensor, which is included.

Heatit ZM Thermostat has active power metering and it gives you real time information about your power consumption.

**PRODUCT FEATURES**

- Z-Wave
- 16A/3600W resistive loads
- NTC 10kΩ sensor (included)
- Setpoint to be set in gateway
- Thermostat for inwall installations
- Supports encryption mode: S0, S2 Authenticated Class, S2 Unauthenticated Class
- ZeroX detection
- SmartStart
- Firmware update (OTA)
- Active power metering

**PRODUCT DATA**

Ambient temperature range in use	5 to 40°C
Ambient temperature range in storage	-30 to 70°C
Min/max installation temperature	0 to 50°C
Min. and max ambient humidity (RH%)	10 to 85%
Material	Polycarbonate (PC)
Colour	Black Olive RAL 6015
Mounting	European Junction Box

**THERMOSTAT DATA**

Regulation temperature	5 to 40°C
Compatible NTC-sensors (kΩ @ 25°C)	10
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	3m

**ADDITIONAL INFO**

IP Code	IP20
Certification	Reach, RoHS
Warranty international	2 years
Customs number	90321000
Country of origin	CN

**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 700 chip
Z-Wave encryption mode	S2 Authenticated Class S0 S2 Unauthenticated Class
Min radio frequency range	40m
Push buttons	1
Temperature measurement range	5 to 40°C
Over The Air update (OTA)	Yes

**ELECTRO TECHNICAL DATA**

Voltage	230VAC 50Hz
Voltage Output	230VAC 50Hz
Switch type	One-pole switch
Own power usage	1W
Max load (resistive load)	3600W
Max load (resistive load)	16A
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	52mm	Product Width	81mm
Product length	85mm	Product net weight	103g

## 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.

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, EN 60669-2-1/A12:2010, EN 60669-2-1:2004 + A1:2009, EN 60669-2-5:2016, EN 62479:2010, ETSI EN 300 220-2 V3.1.1 (2017-02), ETSI EN 301 489-3 V2.1.1 (2017-03), IEC 965-2-1, RoHS 2002/95/EC, WEE 2002/96/EC, Z-Wave Plus

## RETURN AND RECYCLING

The product must be recycled as electronic waste.

## DISCLAIMER

The device can withstand a load of max 16A/3600W at 230VAC. We recommend a contactor for loads above 13A.

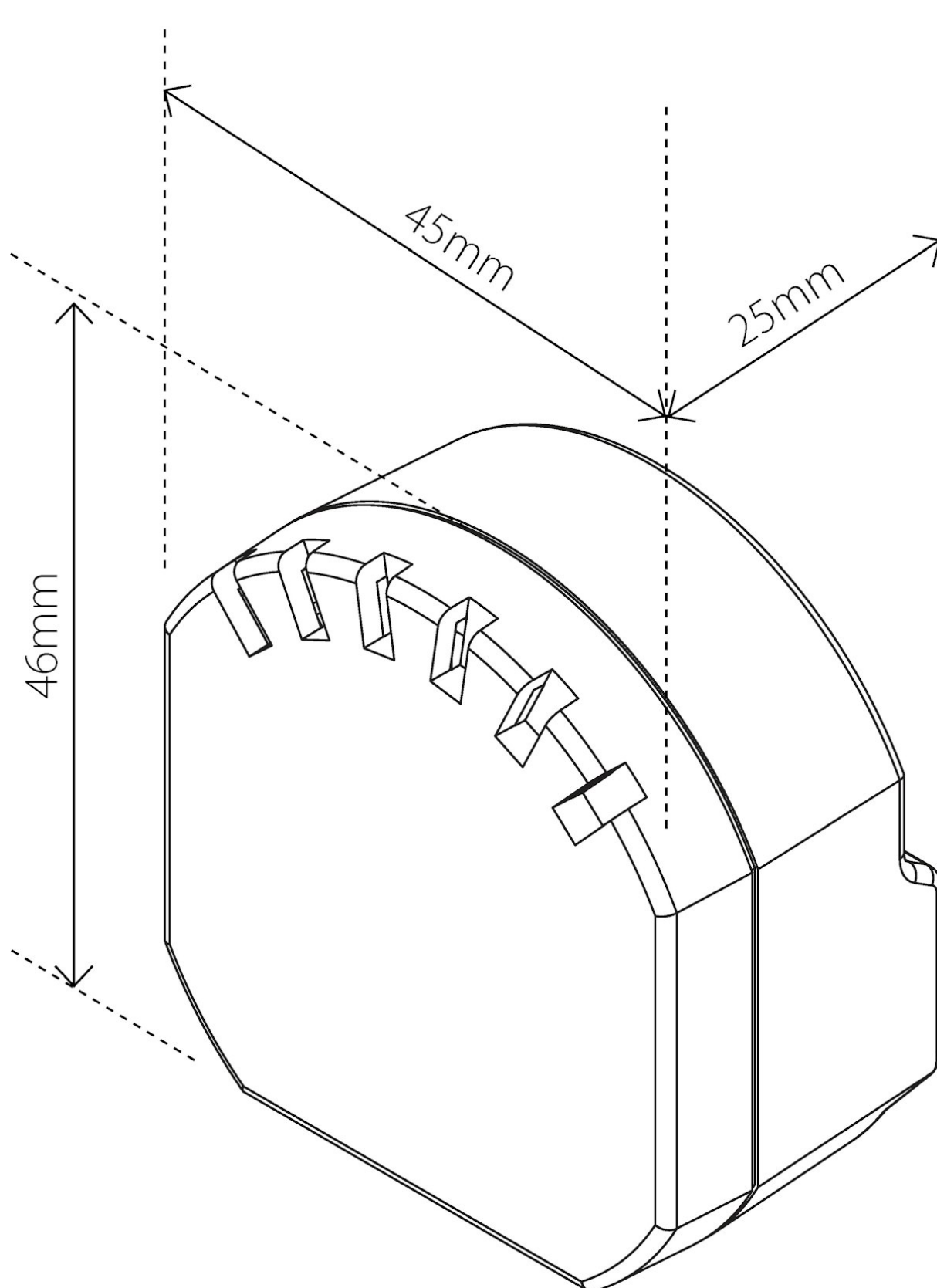
We develop and design our products according in accordance with our strict quality requirements (ISO 9001) and environmental requirements (ISO 14001).

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 ZM Thermostat 16A can be ordered from [www.heatit.com/4512673](http://www.heatit.com/4512673)**All additional documentation are available on the above adress and on [documents.heatit.com/4512673](http://documents.heatit.com/4512673)