



## PRODUCT FEATURES

- Z-Wave
- 2 or 3-wire
- 5W - 250W
- LED, incandescent and halogen
- SmartStart
- Scene controller
- Firmware update (OTA)
- Active power metering
- Dimmer for inwall installations
- Max. dim level auto-calibration
- Supports encryption mode S0, S2 Authenticated Class, S2 Unauthenticated Class
- Overload protection
- Short circuit protection
- Surge protection
- Overheat protection
- Two external switches
- Min. dim level adjustable
- On/off functionality

## PRODUCT DATA

|                                      |                      |
|--------------------------------------|----------------------|
| Ambient temperature range in use     | 5 to 40°C            |
| Ambient temperature range in storage | -30 to 70°C          |
| Min. and max ambient humidity (RH%)  | 10 to 85%            |
| Colour                               | Black Olive RAL 6015 |

## ADDITIONAL INFO

|                        |             |
|------------------------|-------------|
| IP Code                | IP20        |
| Certification          | Reach, RoHS |
| Warranty international | 2 years     |
| Customs number         | 85437000    |

## HEATIT ZM DIMMER 250W

Inwall Z-Wave Dimmer

|        |               |
|--------|---------------|
| Art.no | 1444449       |
| GTIN   | 7071236018575 |

Smart dimmer

Heatit ZM Dimmer is a 250W dimmer suitable for use with LED lights and other types of light sources. The dimmer works with most low loads without causing flicker. The dimmer enables the user to control light sources from the Z-Wave network and/or an external switch. Heatit ZM Dimmer is an inwall dimmer for installation in European electrical wall boxes

The Heatit ZM Dimmer works on most low loads of both LEDs and other light fixtures without causing flickering.

The dimmer has 2 switch inputs that, in addition to controlling the dimmer, can be used as scene controllers. The dimmer can be wirelessly connected to other devices via associations.

Heatit ZM Dimmer features active power metering, providing real-time information about your power consumption.

## 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<br>S2 Authenticated Class |
| Min radio frequency range | 40m   |
| Push buttons              | 2   |
| Over The Air update (OTA) | Yes   |

## ELECTRO TECHNICAL DATA

|                                   |                           |
|-----------------------------------|---------------------------|
| Voltage                           | 230VAC 50Hz               |
| Voltage Output                    | 230VAC 50Hz               |
| Grounding                         | No                        |
| Own power usage                   | 1W                        |
| Power                             | 5 to 250W                 |
| 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 | 21mm | Product Width      | 45mm |
| Product length          | 46mm | Product net weight | 37g  |

## MAINTENANCE

The device is maintenance-free. Indoor use only.

## ADDITIONAL INFORMATION

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

Dimming may be challenging, and we recommend checking the compatibility of different light sources before installation.

When connecting low loads it is recommended to use a bypass.

Standards: CE, Nemko, Z-Wave Plus

## RETURN AND RECYCLING

The product must be recycled as electronic waste.

## DISCLAIMER

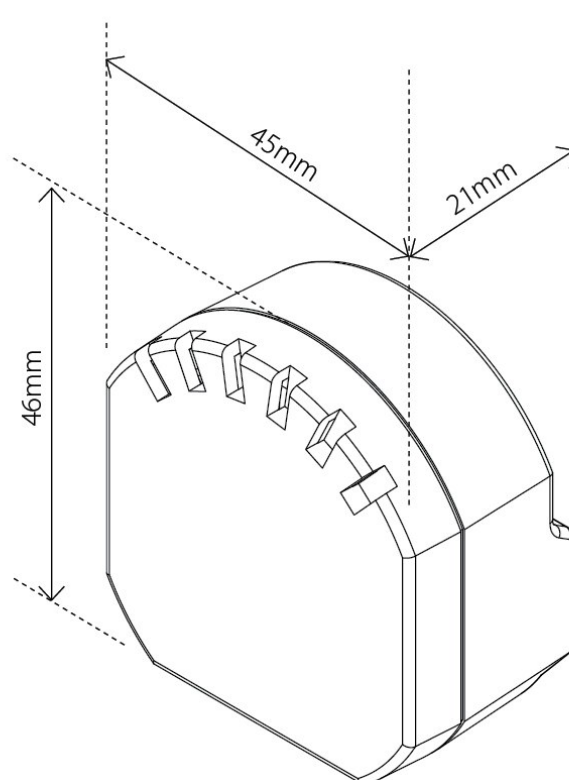
We develop and design our products according in accordance with our strict quality requirements (ISO 9001) and environmental requirements (ISO 14001).

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 Dimmer 250W can be ordered from [www.heatit.com/1444449](http://www.heatit.com/1444449)**All additional documentation are available on the above adress and on [documents.heatit.com/1444449](http://documents.heatit.com/1444449)