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.

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

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 Authenticated Class S2 Unauthenticated Class S0
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^2
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

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.

Standards: CE, Nemko, Z-Wave Plus

RETURN AND RECYCLING

The product must be recycled as electronic waste.

DISCLAIMER

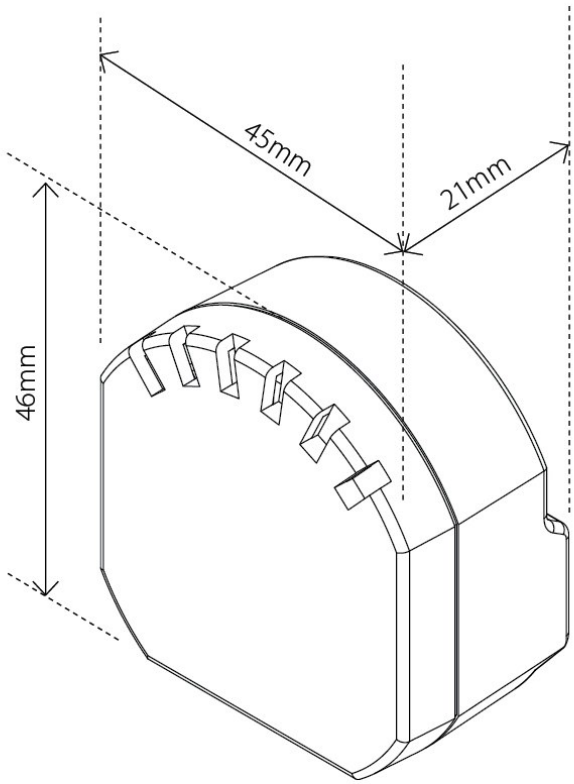
Dimming may be challenging, and we recommend checking the compatibility of different light sources before installation.

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

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 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.


45mm
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