



 **Star System[®]**
Distribuzione sistemi di sicurezza

CATALOGO

 **heatit**



DOMOTICA

CODE OF CONDUCT

Thermo-Floor AS has prepared a code of conduct for corporate social responsibility and ethics that all our suppliers and distributors must sign.

This Code is based on the principles of ISO 26000:2010 "Social responsibility", as well as applicable human rights conventions implemented in Norwegian law.

Our code contains, among other things, points regarding:

- Child labor, forced labor and slave labor
- Corruption
- Human rights
- Basic working conditions
- Organizational law
- Environmental considerations
- Health and safety

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Product photos from suppliers.

Heatit Controls AB / Thermo-Floor AS can not be held liable for typographical errors, other errors or omissions in our information.

All electrical installations must be carried out by a licensed electrician. The product must be installed in accordance with our installers manual or national building codes.

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ThermoFloor
— smart heating solutions —

CERTIFICATIONS

We want to contribute to developing eco-friendly solutions, and our efforts have resulted in several certifications we can be proud of.

ISO CERTIFIED ISO 9001:2015 & ISO 14001:2015

Thermo-Floor AS is certified according to **ISO 9001:2015** and **ISO 14001:2015**. Our guidelines for ethics and social responsibility are based on the principles of ISO 26000:2010



INTERNSHIPS

We have an internship program.



All our products are CE-certified and some have certifications in accordance with WEE and RoHS.



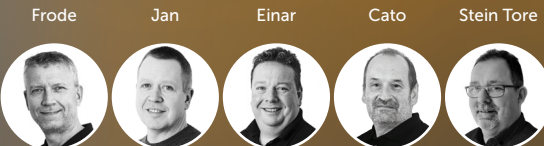
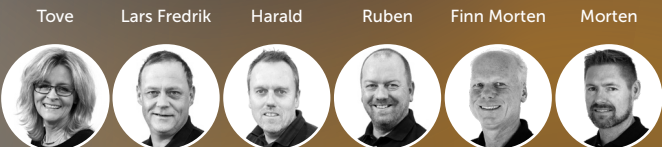
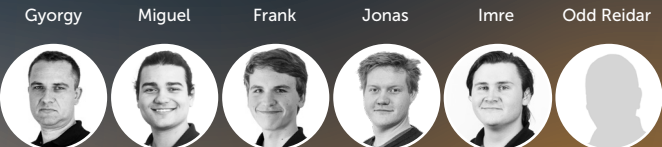
HEATIT CONTROLS

Heatit Controls AB offers an innovative range of heating control products, from basic thermostats, relays, switches and dimmers, to advanced solutions for smart homes. Almost all of our products use Z-Wave, the world's largest system of interoperable IOT products.

Heatit Controls AB is a sister company of Thermo-Floor AS in Norway. Thermo-Floor AS has operated in the floor heating market for over 30 years and are continuously investing in new innovative products.



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DAYTIME, NIGHTTIME, HOME OR AWAY, – YOUR HOUSE RUNS ITSELF



Heating control

is the most basic form of smart house functions, and probably also the easiest way to get started. The heating management features are, of course, also the ones that benefit your wallet the most, through e.g. primary controlled setback of heating cables, heating panels or heat pumps. All devices may be controlled based on the time of day, temperature - or even the weather forecast.



Sun screening

is an energy-efficient way of regulating your indoor climate and comfort level. Even though we enjoy spending some time in the sun, a nice rest in the shade also feels great. Sun screening protects your furniture from fading and keeps the temperature comfortable.



Safety

is not truly about locks and alarms, but about technology that contributes to home security. Letting you know that your children have come home from school, or allowing you to keep living in your home for as long as possible when you grow older, making sure that you get the help you need. Hopefully, a security guard is not what you need the most, but rather something that lets you check if the coffee maker was actually turned off, or that the basement has not been flooded while you were on vacation. And should someone enter your home unlawfully you will be notified immediately wherever you are.



Lighting control

is basically programming lights to be turned on and off automatically. This may be controlled by a timer or via a motion sensor, so they only use power when needed. The lights turn on when the family wakes up at seven o'clock and turn off when the last person has gone off to school at eight o'clock. If junior needs to go to the bathroom at night, the light switches on automatically, making the trip back and forth free from scary shadows.

YOUR DIGITAL CUSTODIAN

06.00: The roller blinds go up and the lights turn on gradually for a comfortable morning.

06.30: The temperature in every room is perfectly adjusted. Your favorite music plays in the bathroom at the volume you prefer.

07.00: The coffee machine starts, getting the coffee ready for when you are dressed and want to have breakfast.

07.45: All the lights turn off when you head out of the house in the morning. The door is locked automatically. The outdoor lights turn off when the sun rises. The alarm is activated. The temperature is lowered. The garage door opens, and the light switches on.

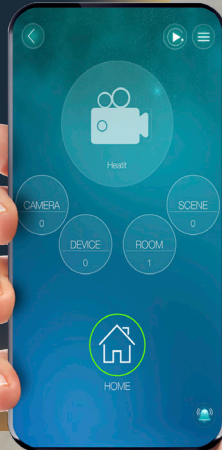
15.00: When your children come home from school, you will be notified when they have entered the code on the front door lock, so you know they have arrived safely home. The temperature is adjusted to a comfortable level.

19.00: The lights, heating and blinds are adjusted for evening mode.

23.00: All lights turn off, but set to activate at 30% if motion is detected.



**WITH Z-WAVE
YOU CAN
CONTROL
YOUR LIGHTS,
HEATING AND
SUN SCREENING
THROUGH
AN APP**



SMART

solutions for smart homes

WHAT IS Z-WAVE?

Z-Wave is a wireless communication protocol for managing all smart devices in your home.

Z-Wave is the language these units use to communicate with each other.

Heatit Controls AB is a member of the



NFC



WiFi



Zigbee



Bluetooth



WHAT IS Z-WAVE PLUS?

Z-Wave Plus certification confirms that a device is up to date with the newest Z-Wave Plus standards and contains the newest Z-Wave hardware. This ensures you that the product is stable, with enhanced battery life, increased range and optimal compability with other Z-Wave Plus certified products.



SMARTSTART

SmartStart is a new, efficient and fast way of adding devices to your Z-Wave network. You simply install the device and power it up. The gateway automatically recognizes and adds the device, or you may choose to do it by scanning the QR code printed on the unit itself. Adding devices has never been easier or faster.



S2 SECURITY

S2 security is a security standard for Z-Wave which uses advanced encryption to safeguard your Z-Wave network from hacking or «man-in-the-middle» attacks. You may use Z-Wave doorlocks, garage door openers and similar devices without jeopardizing your security.



POWER METERING

Devices marked with Power Metering has the option of measuring power consumption on the connected load.

COMPABILITY BETWEEN Z-WAVE UNITS

With a great variety of Z-Wave units, not all will work smoothly with all gateways on the market. We are happy to share our experiences regarding the interoperability of our products. Upgrading to beta versions are not recommended.

MESH NETWORK

Z-Wave units contribute to creating a mesh network. A mesh network lets devices receive and send signals to surrounding units to enhance signal range and increase network stability.

Z-WAVE UNIT RANGE

Z-Wave unit range may vary according to surrounding building mass. All Z-Wave Plus units have been tested for a range of up to 40 meters in an unobstructed space.



ZIGBEE

Zigbee is a standards-based wireless technology developed to enable low-cost, low-power wireless machine-to-machine (M2M) and internet of things (IoT) networks.



BLUETOOTH

Bluetooth is a wireless technology that allows the exchange of data between different devices.



NFC

NFC, also known as Near Field Communication, is a network technology designed for short distance communication between devices with NFC. NFC is used e.g in contactless payments.



WIFI

WiFi is a family of wireless network protocols, commonly used for local area networking of devices and Internet access, allowing nearby digital devices to exchange data through radio waves.

DIMMING

Lighting management may be challenging, and we recommend checking the compatibility of different light fixtures before installation. We are happy to answer any questions.

AMBIENT TEMPERATURE

The temperature interval that the unit may be placed in for extended periods of time.

TEMPERATURE RANGE

This is the minimum and maximum temperature that the thermostat can use as a setpoint.



Perfect temperature throughout your home.

Lower the temperature at night, make sure your house is warm when you come home from work. Eco-friendly and economical at the same time

Your home, your choice

Z-WAVE

SMART HOME THERMOSTAT



FUNCTIONS

- Floor sensor
- Room sensor
- External room sensor (wired)
- Temperature limiter
- Weekly program/setback (via gateway)
- Supports encryption modes S0, S2 Authenticated Class, S2 Unauthenticated Class

TECHNICAL DATA

Protocol	Z-Wave
Chip	Z-Wave 500 chip
Rated voltage	230VAC 50/60Hz
Max load	3600W (resistive loads only) Use contactor for loads higher than 13A
Max current	16A
Power consumption	<2.0W
Ambient temperature	5°C to 40°C (during operation)
Temperature range	5°C to 40°C
Hysteresis	0.3°C to 3.0°C (default 0.5°C)
Compatible with NTC sensors with values	10, 12, 15, 22, 33 and 47kΩ @ 25°C
IP Code	IP 21
Approvals	Z-Wave Plus, CE



Available in black

HEATIT Z-TRM3

Heatit Z-TRM3 is an electronic thermostat for electrical floor heating, designed to be mounted in a standard flush box. The thermostat has a built-in Z-Wave chip that can be connected with Home Automation systems.

Heatit Z-TRM3 has SmartStart.

Heatit Z-TRM3 is equipped with a single pole switch and fits into System 55 frames.



WIFI

SIMPLE INTERFACE
WIFI APP CONTROLLED



FUNCTIONS

- Floor sensor or external sensor
- Internal room sensor
- Power regulator
- Adaptive regulation
- Temperature limiter
- Home/Away/Anti-frost
- Intuitive app - easy to use
- Control via app

TECHNICAL DATA

Protocol	WiFi 2.4GHz 802.11bgn
Display	1.8" TFT, 128x160 resolution
Rated voltage	230VAC 50Hz
Max load	3600W (only resistive loads) Use contactor for loads higher than 13A
Max current	16A
Power consumption	<2W
Ambient temperature	5°C to 40°C (during operation)
Temperature range	5°C to 40°C
Hysteresis	0.2°C to 2°C (0.5°C standard)
Compatible with NTC sensors with values	6.8, 10, 12, 15, 22, 33, 47, 100kΩ @ 25°C
IP Code	IP 21
Approvals	CE



Available in black

HEATIT WIFI

Heatit WiFi is an electronic thermostat for electrical underfloor heating, designed to be mounted in a standard flush box. The thermostat has a simple user interface and can be easily programmed via the capacitive buttons. The color screen displays an accessible user interface.

The thermostat has a built-in WiFi chip that allows you to control it from a user-friendly app. The "Heatit WiFi" app is available on Google Play and in the App Store. Works with Amazon Alexa and Google Home. If you are installing multiple thermostats in the same house, you may copy the settings from one thermostat to the next. This simplifies installation.



Heatit WiFi App



NFC

NFC SUPPORT

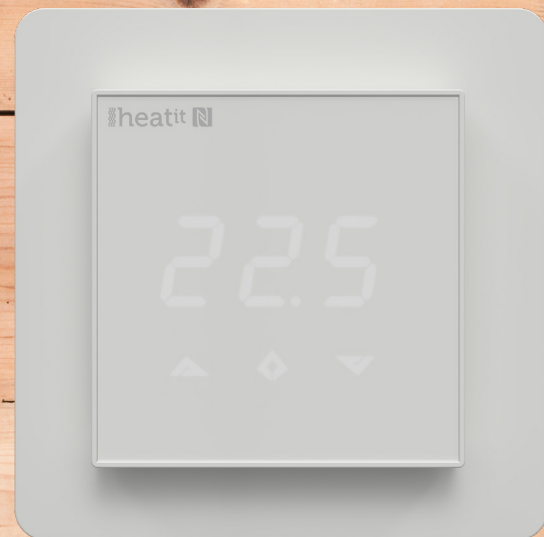
heatit CE

FEATURES

- 7-segment LED-display
- Floor sensor
- Internal room sensor
- External sensor (not included)
- Adaptive regulation
- 3 modes: Comfort, Economy and Automatic

TECHNICAL DATA

Protocol	NFC
Rated voltage	230VAC 50Hz
Max load	3600W (resistive loads only) Use contactor for loads higher than 13A
Max current	16A
Power consumption	0.5W
Ambient temperature	5°C to 40°C (during operation)
Temperature range	5°C to 40°C
Hysteresis	0.5°C
Compatible with NTC sensors with values	6.8, 10, 12, 15, 22, 33 og 47kΩ @ 25°C
IP Code	IP 21
Approvals	CE



Black plastic kit available

HEATIT
7S NFC

Heatit 7S NFC is an electronic thermostat for electrical underfloor heating, designed to be mounted in a standard flush box. The thermostat has three modes Comfort, Economy and Automatic.

Heatit NFC Thermostat has a built-in NFC chip to control the thermostat via NFC app. All parameters can be configured from the app, and you can also set up weekly programs via the app.



Heatit NFC App

Available on the
App StoreGET IT ON
Google Play

FLEXIBLE ROOM SENSOR

heatit CE

FEATURES

- External room sensor
- Designed for use with Heatit or Multireg thermostats
- Fits into multigang frames
- May be placed in a standard wall box or directly on the wall
- Must be wired to the thermostat
- For indoor use

TECHNICAL DATA

NTC	10kΩ @ 25°C
Cable diameter	Ø1.5mm ²
Size	84 x 84 x 20mm
IP Code	IP 21

Approvals CE

It is not possible to connect the sensors in series or in parallel.

HEATIT EXTERNAL
ROOM SENSOR

Heatit External Room Sensor is designed for use with Multireg and Heatit thermostats. The sensor can be mounted directly on a wall or on the outside of a wall box, and fits into most System-55 frames. The product is delivered in a matte finish.

When used with a thermostat, dimmer or other products that emit heat, it is recommended that the sensor be mounted below the other products.



Z-WAVE

WIRELESS, BATTERY POWERED

heatit

FEATURES

- Z-Wave thermostat for controlling external relay
- Internal room sensor
- Humidity sensor
- Proximity sensor to turn on the display
- Weekly program/setback via gateway
- Inverted output (cooling)
- Supports encryption modes S0, S2 Authenticated Class, S2 Unauthenticated Class

TECHNICAL DATA

Protocol	Z-Wave
Chip	Z-Wave 700 chip
Rated voltage	3 x AA batteries (1.5V)
Ambient temperature	5°C to 40°C
Humidity	Max. 85% RH
Range RF	Min. 40 meters
Hysteresis	0.3°C to 3.0°C (default 0.5°C)
IP Code	IP 21
Size	85 x 85 x 25mm

Approvals Z-Wave Plus V2, CE

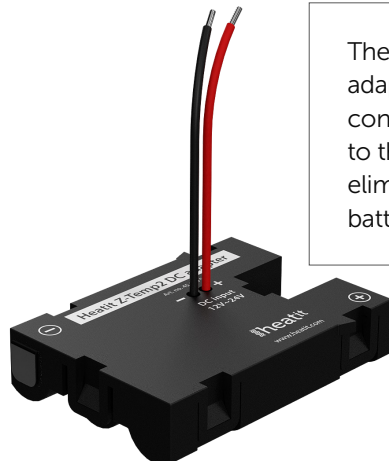


Available in black

HEATIT Z-TEMP2

Heatit Z-Temp2 is a battery-operated thermostat designed for use with water-based heating systems. Used in combination with the Heatit Z-Water, you can control your heating system with a Z-Wave primary controller/gateway. This is a “wire-free” solution, saving both time and money.

Heatit Z-Temp may be associated with the Heatit Z-Relay or another Z-Wave relay in order to control many types of heating solutions. The Heatit Z-Temp2 is an excellent choice when restoring or remodeling existing buildings, as it is easy to install without any need for wiring.



The Heatit Z-Temp2 DC adapter enables you to connect the Heatit Z-Temp2 to the mains power, eliminating the need for batteries.

Z-WAVE

THERMOSTAT FOR INWALL MOUNTING

heatit

FEATURES

- Z-Wave thermostat for inwall installations
- 16A/3600W
- NTC 10 kΩ sensor
- SmartStart
- Power Metering
- Supports encryption modes S0, S2 Authenticated Class, S2 Unauthenticated Class

TECHNICAL DATA

Protocol	Z-Wave
Chip	Z-Wave 700 chip
Rated voltage	230VAC 50Hz
Max current	3600W 16A (resistive loads only)
Power Consumption	<1W
Ambient temperature	5°C to 40°C (-30°C to 70°C storage)
Humidity	Max 95% RH
Range RF	Min. 40 meters
IP Code	IP 20
Size	46 x 45 x 25mm

Approvals Z-Wave Plus V2, CE



HEATIT ZM THERMOSTAT

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 with the device. The device can withstand a max load of 16A at 230VAC.

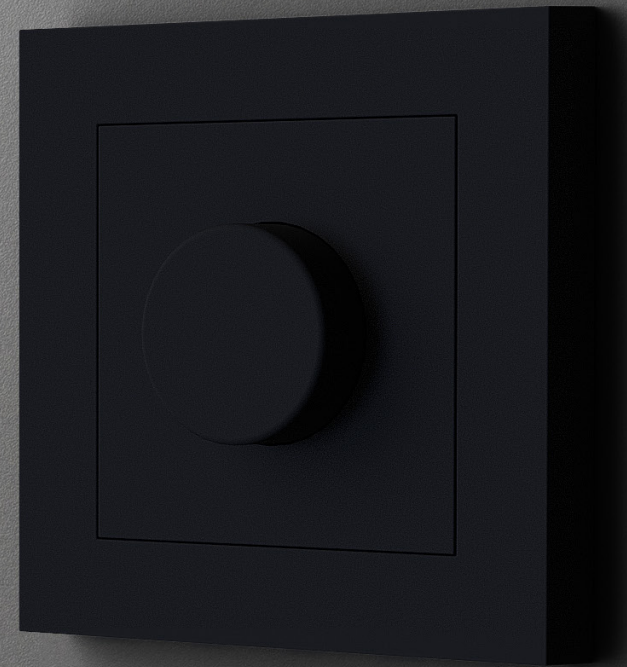
Heatit ZM Thermostat has a power metering feature that allows you to monitor the power consumption of your connected devices.



Perfect lighting in all rooms at all times.

Make sure not to use unnecessary electricity or adapt the lighting to your mood or the time of day.

Your home, your choice



Z-WAVE

BATTERY OPERATED
WALL SWITCH



FEATURES

- Wireless battery operated wall switch
- SmartStart
- Controls up to 3 seperate groups and 5 devices per group
- 10 scene triggers per rocker
- Easy to install with screws or double-sided adhesive tape
- Supports encryption modes S0, S2 Authenticated Class, S2 Unauthenticated Class

TECHNICAL DATA

Protocol	Z-Wave
Chip	Z-Wave 700 chip
Battery	1 x CR2450 battery
Est. battery life	Estimated 1 year (with default settings and max. 10 pushes per day)
Buttons	1, 2 or 3 rockers
Ambient temperature	5°C to 40°C (0°C to 40°C storage)
Humidity	Max 95% RH
Range RF	Min. 40 meters
IP Code	IP 20
Size	55 x 55 x 14mm
Approvals	Z-Wave Plus V2, CE



Black

White RAL 9010

White RAL 9003

HEATIT Z-PUSH WALL CONTROLLER

The Heatit Z-Push Wall Controller is a wireless wall mounted Z-Wave Controller. It has mounting options for 1, 2 or 3 rockers, allowing for easy and practical management of your Z-Wave products. The switch can be set up to control scenarios or work in association with other Z-Wave products. Each rocker switch has a dual color LED to indicate button actions.

The Wall Controller is coin cell battery powered. The product is intended primarily for residential applications.

Heatit Z-Push Wall Controller has SmartStart.



Z-WAVE

ROTARY
Z-WAVE DIMMER

heatit CE

FEATURES

- Z-Wave rotary dimmer
- 5W - 250W LED
- Nemko certified
- Power metering
- SmartStart
- Firmware update (OTA)
- Overload protection
- Short circuit protection
- Surge protection
- Overheat protection
- External switch
- Min. dim level
- Max. dim level auto-calibration
- Supports encryption modes S0, S2 Authenticated Class, S2 Unauthenticated Class

TECHNICAL DATA

Protocol	Z-Wave
Chip	Z-Wave 700 chip
Rated voltage	230VAC 50Hz
Power	5W - 250W
Controls	Rotary and push dimming
Ambient temperature	5°C to 40°C
Range RF	Min. 40 meter
Connection	Max. 2.5mm ²
Flush mounting depth	24mm
IP Code	IP 21
Size	84 x 84 x 43mm

Approvals	Z-Wave Plus V2, CE, Nemko
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Black plastic kit is also available, sold separately.



White RAL 9003

White RAL 9010

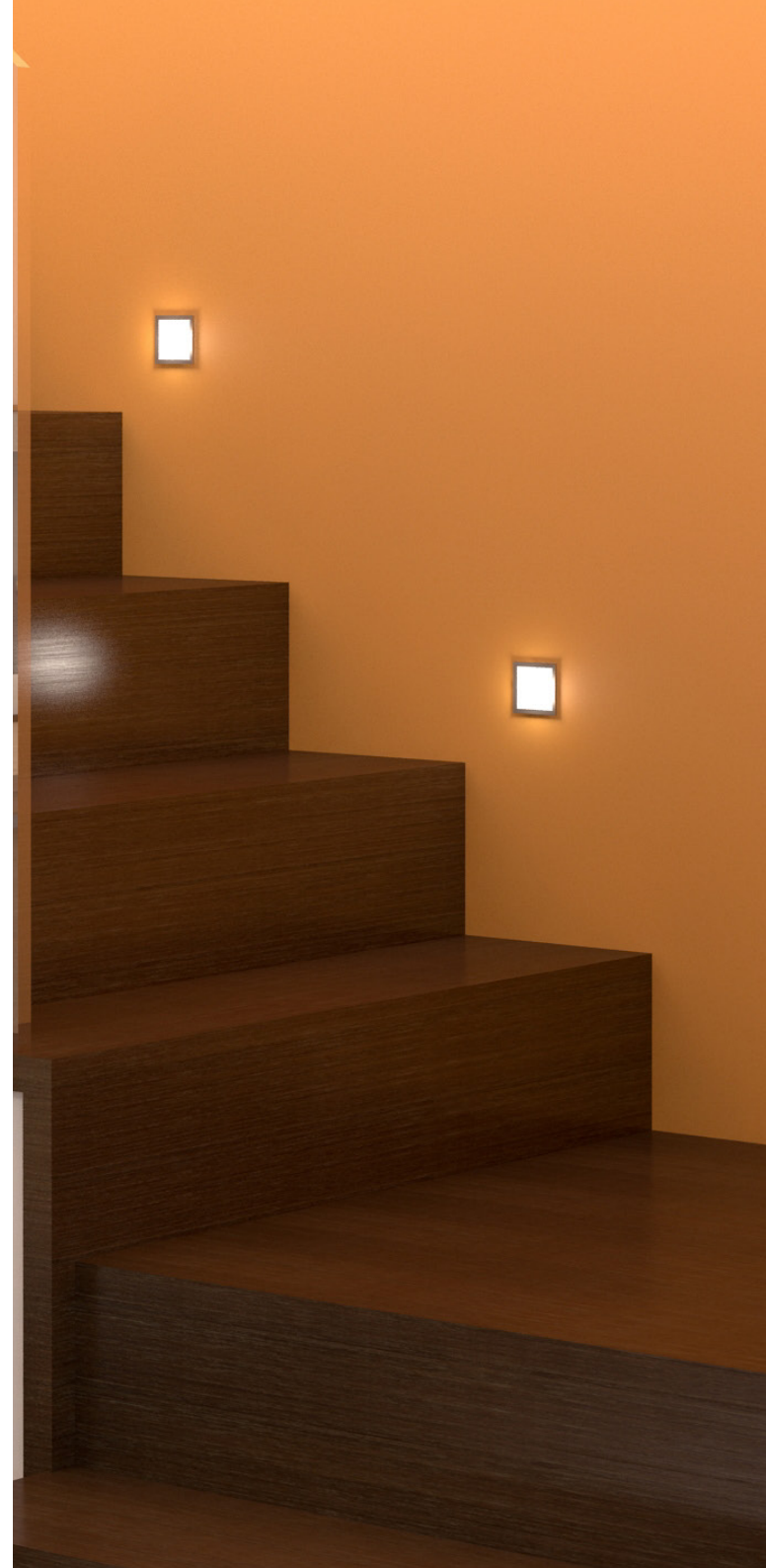


HEATIT Z-DIM2 250W

Heatit Z-Dim2 is a Z-Wave rotary dimmer for many different types of light fixtures. The Heatit Z-Dim2 works on most low loads without causing flickering.

The dimmer is equipped with an external switch option. This allows you to dim and turn on/off the load from an external switch.

Heatit Z-Dim2 is very well suited for LED, and fits into System 55 frames. Two plastic kits are included in the package.



ZIGBEE

ROTARY
ZIGBEE DIMMER

heatit CE



White RAL 9003

White RAL 9010



FEATURES

- Zigbee rotary dimmer
- 2-wire
- 5W - 250W LED
- Nemko certified
- Trailing edge
- Overload protection
- Short circuit protection
- Surge protection
- Overheat protection
- External momentary switch
- Min. dim level
- Max. dim level auto-calibration

TECHNICAL DATA

Protocol	Zigbee, 2.4GHz
Chip	Zigbee 3.0
Rated voltage	230VAC 50Hz
Power	5W - 250W
Controls	Rotary and push dimming
Ambient temperature	5°C to 40°C
Range RF	Min. 40 meter
Connection	Max. 2.5mm ²
Flush mounting depth	24mm
IP Code	IP 21
Size	84 x 84 x 43mm

Approvals	Zigbee, CE, Nemko
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Black plastic kit is also available,
sold separately.

ROTARY DIMMER

heatit CE



White RAL 9003

White RAL 9010

FEATURES

- Rotary dimmer
- 2-wire
- 5W - 250W LED
- Trailing edge
- Overload protection
- Surge protection
- Overheat protection
- Min. dim level
- Max dim level auto-calibration

TECHNICAL DATA

Rated voltage	230VAC 50Hz
Power	5W - 250W
Control	Rotary dimming
Ambient temperature	5°C to 40°C
Connection	Max. 2.5mm ²
Flush mounting depth	24mm
IP Code	IP 21
Size	84 x 84 x 43mm

Approvals	CE
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Black plastic kit is also available,
sold separately.

HEATIT ZIG-DIM 250W

Heatit Zig-Dim is a Zigbee rotary dimmer for many different types of light fixtures. The Heatit Zig-Dim works on most low loads without causing flickering.

The dimmer is equipped with an external momentary switch option. This allows you to dim and turn on/off the load from an external switch.

Heatit Zig-Dim is very well suited for LED, and fits into System 55 frames. Two plastic kits are included in the package.

HEATIT EEZEDIM 250W

Heatit eeZEDIM is a rotary dimmer for many different types of light fixtures. The Heatit eeZEDIM works on most low loads without causing flickering.

The dimmer is equipped with a toggle switch option. This allows you to turn on/off the load from an external switch.

Heatit eeZEDIM is very well suited for LED, and fits into System 55 frames. Two plastic kits are included in the package.

Z-WAVE



HIGH POWER
RELAY 16A



FEATURES

- High power relay for in-wall installations
- 16A/3600W
- SmartStart
- Scene Controller
- Firmware update (OTA)
- Power Metering
- Supports encryption modes S0, S2 Authenticated Class, S2 Unauthenticated Class

TECHNICAL DATA

Protocol	Z-Wave
Chip	Z-Wave 700 chip
Rated voltage	230VAC 50Hz
Max current	3600W 16A (resistive loads only)
Power Consumption	<1W
Ambient temperature	5°C to 40°C (-30°C to 70°C storage)
Humidity	Max 95% RH
Range RF	Min. 40 meters
IP Code	IP 20
Size	46 x 45 x 25mm
Approvals	Z-Wave Plus V2, CE

HEATIT ZM SINGLE RELAY

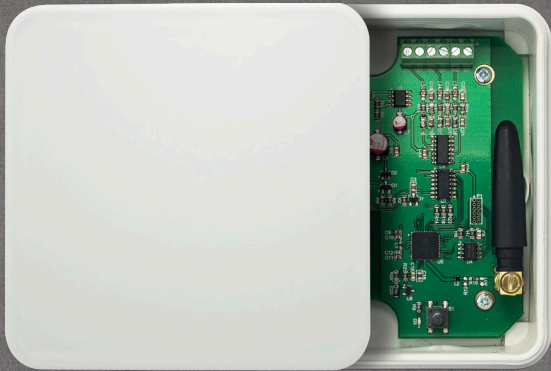
Heatit ZM Single Relay is a high power relay for inwall installations. The relay allows you to control connected devices either through your Z-Wave network or via a wired switch. The module is equipped with a 16A relay and has a scene controller functionality.

The Heatit ZM Single Relay has a power metering feature that allows you to monitor the power consumption of your connected devices.

Heatit ZM Single Relay has SmartStart.



Z-WAVE



MULTIPURPOSE PRODUCT



FEATURES

- Multipurpose product for many different applications
- Relay 25A
- SmartStart
- 3 inputs
- External antenna option
- Can be used in connection with different NTC-sensors
- Calibration
- Associations
- Firmware updates (OTA)
- Supports encryption mode: S0, S2 Authenticated Class, S2 Unauthenticated Class

TECHNICAL DATA

Protocol	Z-Wave
Rated voltage	230VAC 50/60Hz
Max current	25A
Power consumption	0.8W standby
Ambient temperature	5°C to 40°C
Compatible with NTC sensors with values	10, 12, 15, 22, 33 and 47kΩ @ 25°C
Range RF	Min 40 meters
IP Code	IP 55
Size	104 x 104 x 46mm
Approvals	CE

HEATIT Z-RELAY 25A

Heatit Z-Relay multipurpose relay module may be used for many different applications. The IP 55 rated casing makes it useful for any outdoor application. Can pull loads up to 25A. The relay has 3 inputs.

Heatit Z-Relay is a multipurpose product and may be used for the following applications:

- Leakage control
- Varied outdoor applications

Z-WAVE

BATTERY



FEATURES

- Multifunctional smoke detector
- **Battery**
- Smoke detector
- Temperature sensor
- Motion sensor
- Serial connection possible with Heatit Z-Smoke Detector 230VAC (max 6 pcs)
- Built-in emergency lighting
- Low battery alert
- Button to silence unwanted alarms
- Tamper switch
- Firmware update (OTA)
- Supports encryption modes S0, S2 Unauthenticated Class

TECHNICAL DATA

Protocol	Z-Wave
Chip	Z-Wave 500 chip
Battery	3 x CR123A 3V batteries
Battery life	~2.8 years
Temperature sensitivity	±1°C
Alarm	85dB at 3 meters distance
Smoke sensor	Photoelectric
Ambient temperature	5°C to 40°C
Humidity	Max. 85% RH
Range, PIR	Up to 5m at 3m mounting height
IP Code	IP 20
Size	105 x 105 x 41mm
Approvals	Z-Wave Plus, CE

HEATIT Z-SMOKE MULTISENSOR BATTERY

The Heatit Z-Smoke Multisensor is a multifunctional smoke sensor for smart home systems. With its powerful features, the sensor is designed to protect the family from potential fire hazards. With its compact and streamlined design, the Heatit Z-Smoke Multisensor blends effortlessly with your home decor and gives you extra security.

The Heatit Z-Smoke Multisensor is designed to provide the sensor with more features and capabilities. Therefore, you can use optional additional features such as a built-in PIR motion sensor and temperature sensor. Heatit Z-Smoke Multisensor has a built-in PIR motion sensor. You can choose to use it to create custom scenes to light up the hallway in the middle of the night or help users save energy. The built-in emergency light gives you visual alarms and alerts.



Z-WAVE

230 VAC



FEATURES

- Multifunctional smoke detector
- **230VAC**
- Smoke detector
- Temperature sensor
- Motion sensor
- Serial connection possible with other Heatit Z-Smoke Detector 230V (max 6 pcs)
- Built-in emergency lighting
- Battery back-up
- Button to silence unwanted alarms
- Tamper switch
- Firmware update (OTA)
- Supports encryption modes S0, S2 Unauthenticated Class

TECHNICAL DATA

Protocol	Z-Wave
Chip	Z-Wave 500 chip
Rated voltage	230VAC 50Hz
	200mAh, NiMh back-up battery
Power consumption	2.2W
Temperature sensitivity	±1°C
Alarm	85dB at 3 meters distance
Smoke sensor	Photoelectric
Ambient temperature	5°C to 40°C
Humidity	Max. 85% RH
Range, PIR	Up to 5m at 3m mounting height
IP Code	IP 20
Size	105 x 105 x 41mm (ex.adapter)
Approvals	Z-Wave Plus, CE

HEATIT Z-SMOKE MULTISENSOR 230VAC

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Z-WAVE



HEATIT Z-WATER2

Heatit Z-Water2 is a DIN-rail regulator for controlling waterbased heating systems. The module clips right onto a DIN-rail to add a variety of functions to your wireless Z-Wave network. Heatit Z-Water2 is equipped with 9 potential free relays for actuators and 1 relay can be dedicated for a pump. 2 analog inputs for temperature sensors.

Heatit Z-Water2 relay outputs may be freely controlled from the Z-Wave network, and may be used for several purposes, e.g. controlling valve actuators in an underfloor heating system, controlling on/off or control of lights.

FOR WATER BASED
HEATING SYSTEMS



FEATURES

- Regulator for waterbased heating systems
- 9 potential free relays
- Can control 230VAC actuators and 24V actuators
- May be used with a Heatit Z-Temp2 or Heatit Z-TRM3 thermostat in each zone
- DIN-rail mounting
- SmartStart
- Firmware update (OTA)
- Supports encryption modes S0, S2 Authenticated Class, S2 Unauthenticated Class

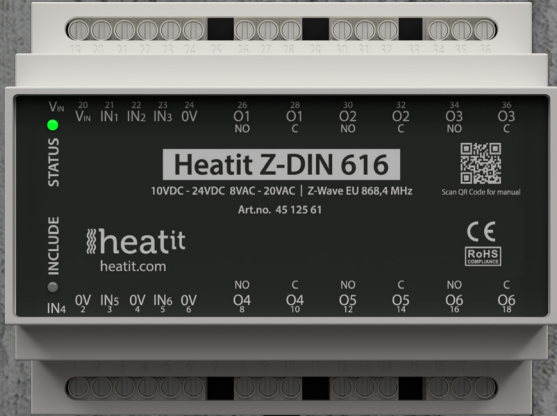
TECHNICAL DATA

Protocol	Z-Wave
Chip	Z-Wave 800 chip
Rated voltage	100VAC - 240VAC 50/60Hz
Power consumption	0.4W standby
Ambient temperature	5°C to 40°C
Humidity	Max. 90% RH
Fuse	1A Slow, MST 250
	Schurter part no.: 0034.6615
Max. switching current	5A
Max load per relay	1385VA/150W
Max voltage	250VAC
Inputs	10kΩ NTC
Range RF	Min. 40 meters
Size	105 x 58 x 86mm

Approvals	Z-Wave Plus V2, CE
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Z-WAVE



DIN MODULE
6 OUTPUTS



FEATURES

- DIN-rail module with 6 relay outputs and 6 digital inputs
- Z-Wave interface for other systems in order to control them through the Z-Wave network
- DIN-rail mounting
- Potential free circuit control
- 6 x 16A potential free relays
- 2-pole switch solution when using 2 x relays combined
- Firmware update (OTA)

TECHNICAL DATA

Rated voltage	10 - 24VDC 8 - 24VAC
Power consumption	0.6W (standby)
	All relays activated: 3.5W
Screw terminals	0.2 to 2.5mm2 wires
Outputs	6 pcs pole potential free outputs
	AC1: 16A 250VAC
	AC3: 750W (motor)
	AC15: 360VA
	Max. inrush current 80A/20ms
Contacts	Common and Normally Open
Inputs	6 pcs pole potential free inputs
Range RF	Min. 40 meters
Size	85 x 105 x 60mm
	M36 6-module

Approvals	CE
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HEATIT Z-DIN 616

Heatit Z-DIN 616 is a 6 x 16A potensial free relay for DIN-rail mounting. The module is equipped with 6 relay switches and 6 digital inputs.

The 6 independent relay switches can be controlled freely through the Z-Wave network and may be used for many different purposes. For example, the 6 digital inputs may be connected to potential free connectors or open collector outputs, and the inputs allow you to control other Z-Wave devices by sending commands through the Z-Wave network.

The Heatit DIN-rail module can be used for connecting 6 x 16A loads freely controllable from the Z-Wave network. All 6 relay outputs are galvanically separated. The 6 inputs of the DIN-rail module allow you to activate predefined scenes in a Z-Wave primary controller.



WATER BASED HEATING SOLUTIONS

Thermo-Floor AS has always focused on electrical heating solutions, but we are well adversed with the use of waterbased heating as well. We have several options that we recommend for controlling waterbased heating, either with battery powered or 230VAC thermostats.

The control system is comprehensive, user-friendly, flexible and energy-saving when using functions such as weekly programs. You have the ability to monitor the temperature and status of all zones as well as control the heat from your phone, tablet or PC. All of these factors make the control system very suitable for water-based heating, giving you as much control and flexibility as possible.

Our devices use the Z-Wave protocol and therefore work with most modern Z-Wave gateways. Waterbased heating may be a good place to start building your smart home system, whether it is a new installation or an addition to an existing smart home installation.

Today we provide two solutions; battery powered and mains powered. The basic principle of setup is the same whatever solution you choose.

Association groups are set up in your gateway. The association groups are a direct wireless connection from unit to unit. For compatibility questions, contact your gateway provider. If you are not sure which gateway is right for you - please ask us!

Heatit Z-Water is designed to be used with NC 24VDC / NC 230VAC actuators. Your plumber can supply and install them on the manifold(s). Heatit Z-Water2 has 9 potential free outputs.

230VAC installation

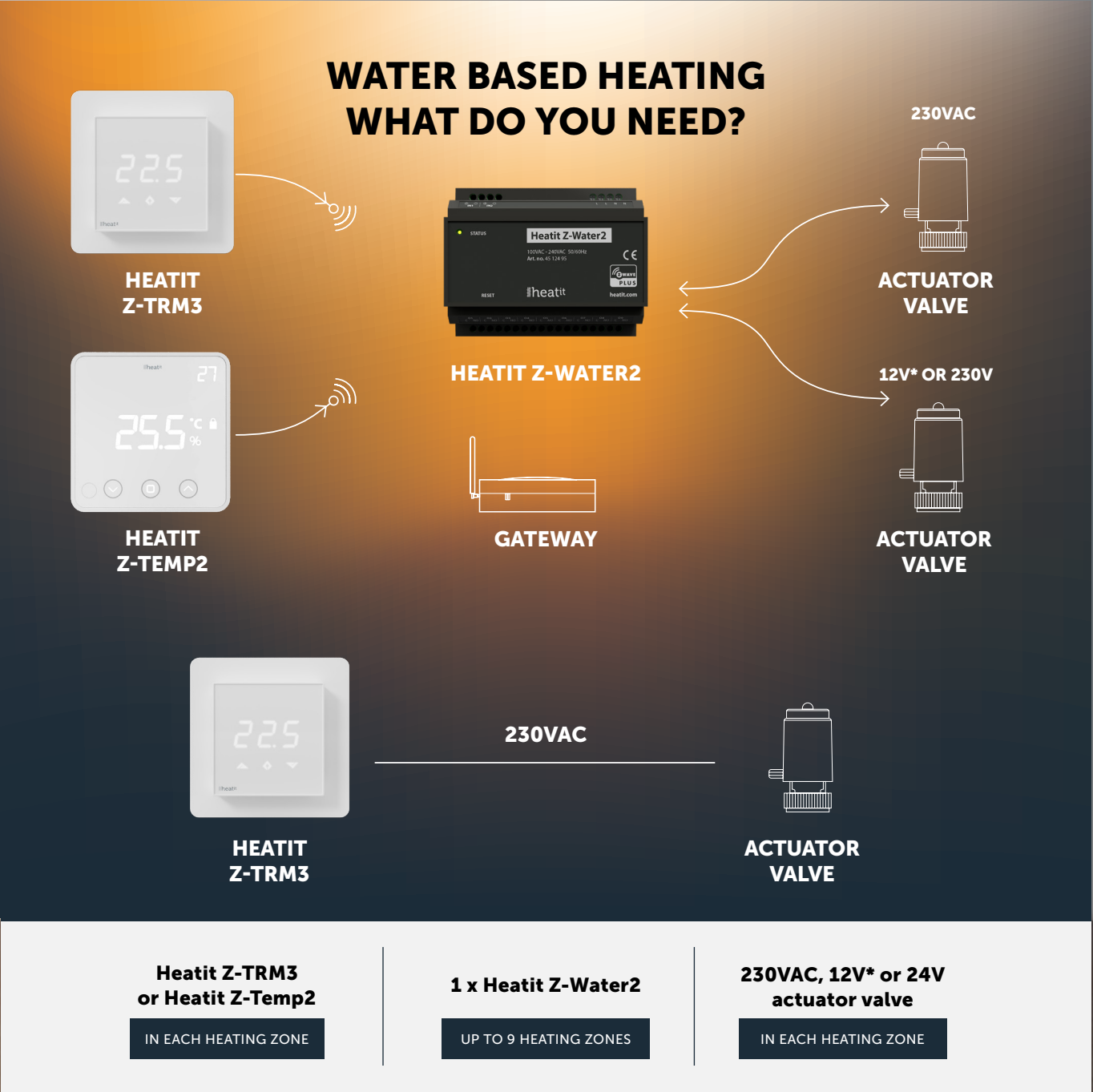
Using 230VAC thermostats ensures a stable and maintenance-free system. This setup can be used for most installations, and covers large areas without additional signal boosters. This ensures the functionality and stability of the system. The thermostats are placed in wall boxes in a standard frame system.

The thermostats regulate heating using an internal sensor, external sensor, floor sensor or a combination of these.

Battery powered thermostats

Waterbased heating system management through battery powered thermostats has been a long standing request from our customers. We are now launching a battery operated thermostat based on our customers experiences and perceptions. The solution is flexible, as the thermostat can be placed wherever the customer wants, without the need for cables.

It is recommended to install some 230VAC units in new Z-Wave networks to ensure network stability. The thermostat regulates heating via an internal sensor.



* To use 12V actuators an external power supply is needed

Z-WAVE

Z-WAVE HAN-SENSOR

heatit CE

FEATURES

- Z-Wave HAN-sensor
- RJ45 and Micro-USB
- Power metering
- SmartStart
- Firmware update (OTA)
- Temperature sensor
- Supports encryption modes S0, S2 Authenticated Class, S2 Unauthenticated Class

TECHNICAL DATA

Protocol	Z-Wave
Chip	Z-Wave 700 chip
Rated voltage	5V DC
Ambient temperature	5°C to 40°C
Range RF	Min. 40 meters
IP Code	IP 21
Size (LxWxH)	80 x 31 x 22mm
Approvals	Z-Wave Plus V2, CE



HEATIT Z-HAN

Heatit Z-HAN is a Z-Wave HAN sensor for AMS meters (Smart meters). The Heatit Z-HAN works with Norwegian AMS meters.

Heatit Z-HAN is equipped with an RJ45 port to connect to the AMS meter. The Heatit Z-HAN can be powered through the RJ45 port by most AMS meters, but it also has a 5V micro USB port for external power supply.



Heatit Controls are present on Social Media. Follow these channels in order to receive updated information and news.



facebook.com/heatitcontrols



instagram.com/heatitcontrols



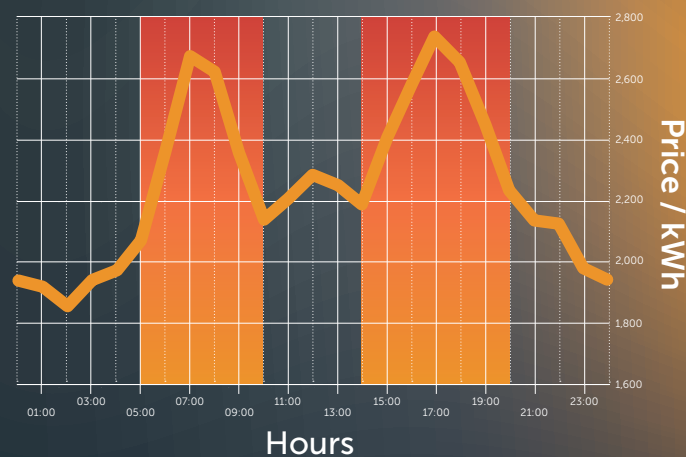
linkedin.com/company/heatit-controls-ab



In order to save money on your electricity bill, you need to know where and when you can save. Then you have to connect these factors intelligently.

That's precisely what we do with Heatit Renergy. We know when electricity prices are expected to be high and can take the necessary measures. With Heatit Renergy, devices that use a lot of electricity are switched off or run with reduced consumption when electricity is at its most expensive.

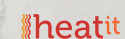
That way, it is possible to avoid price peaks and use the cheapest electricity throughout the day - completely automatically!



By retrieving prices for the coming 24 hours, Heatit Renergy will, among other things, be able to control relays, thermostats and electric car chargers and ensure that these are not activated, or run with limited power during hours when electricity is the most expensive.



Heatit Z-HAN Sensor



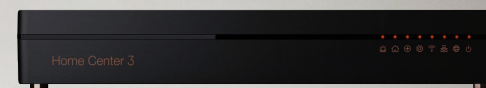
Heatit ZM Single Relay 16A



Heatit thermostats



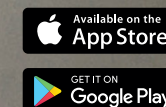
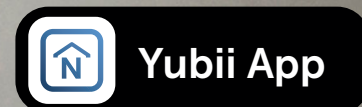
FIBARO Home Center 3



FIBARO Home Center 3 Lite



Overview and management in Yubii



Heatit Renergy offers excellent opportunities to optimize power consumption and save money. The customer makes the practical decisions on how the system is set up according to their needs. When the solution is installed, it is defined which loads are to be controlled.

The most important loads to control will typically be:

- Electrical floor heating
- Boilers
- Electrical car chargers*

Heatit Renergy requires a smart home system from Thermo-Floor AS, but installing a completely new system is not necessary. Anyone with a FIBARO Home Center 3 or Home Center 3 Lite gateway can get this solution.

The devices to be controlled must be set up with Z-Wave compatible thermostats and relays. The customer decides for themselves how many hours in a day the control of power consumption should be active. This is done via the Yubii app.

Heatit Renergy requires some programming of the smart home system's gateway to function. This job must be done by a qualified electrician.

The end result is a power-saving system that helps you save power automatically during the hours when power is most expensive. Retrieving prices for the coming 24 hours, Heatit Renergy will, among other things, be able to control relays, thermostats and electric car chargers and ensure that these are not activated, or run with limited power during hours when electricity is the most expensive.

* Integration with various electrical car chargers is under development.

Z-WAVE



Z-WAVE GATEWAY



FEATURES

- Z-Wave gateway
- SmartStart
- Controls up to 120 Z-Wave devices
- Controls up to 12 devices in one scene
- Up to 60 scenes
- Support for Amazon Alexa and Google Home
- Push notifications
- Optional alarm function for each connected device
- Software update via FTP
- Internal real-time clock
- Supports encryption mode S0, S2 Authenticated Class, S2 Unauthenticated Class

TECHNICAL DATA

Protocol	Z-Wave
Chip	Z-Wave 500 chip
Rated voltage	230VAC 50Hz
Ambient temperature	5°C to 40°C
Humidity	Max. 80% RH
Size (LxWxH)	96 x 96 x 21mm
Weight	129 gram
Approvals	Z-Wave Plus, CE



Heatit
Z-Gateway App



The Heatit Z-Gateway is designed to control your smart home through the Z-Wave protocol. It is fast, light, user-friendly and above all, reliable. You are ensured a great user experience when you start using your Heatit Z-Gateway.



HEATIT Z-GATEWAY
TECHNICAL
OVERVIEW

TECHNICAL SPECIFICATIONS	HEATIT Z-GATEWAY
Processor	GM8136S (600MHz)
RAM	125 MB
Hard Drive	32 MB SPI flash
Internet connection	Ethernet
Protocol	Z-Wave - 868.4MHz
Size (LxBxH)	96 x 96 x 21mm
Weight	129g
Backup options	Cloud storage
Recommended unit limit	120
SmartStart support	Yes
Encryption level	Z-Wave S0 & S2
FUNCTIONS	
Weekly heating program	Yes
Remote access	Yes
Integrated Home/Away/Night/Holiday modes (and similar)	Yes
Preset scenes	No
INTEGRATIONS	
Amazon Alexa	Yes
Google Assistant	Yes
Sonos	No
Philips Hue	No
Netatmo	No
Tibber pulse	No
APPROVALS	
Z-Wave Plus	Yes



EVER GROWING RANGE OF PRODUCTS

We are constantly working with new and updated products and throughout 2022 and 2023 there will be a wide range of new devices hitting the market.

Our development team work with the highest standards in mind when shaping the quality, functionality and usability of all new devices being developed.

We welcome all feedback from our customers and users.

DOMOTICA

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