Heatit Controls AB offers an innovative range of heating control products, from basic thermostats to advanced solutions for smart homes.

All our products use Z-wave, the world’s largest system of interoperable IoT products.

Heatit Controls AB is a brand owned and operated by Thermo-Floor AS in Norway.
# Heatit Z-Wave vs Heatit Z-TRM2fx

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<td>3600W@230V (16A)</td>
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<td>Shows measured temperature</td>
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</table>
The Heatit Z-Wave thermostat is our most traditional Z-Wave enabled thermostat. The thermostat can adjust itself according to room temperature, which makes this an excellent choice if no floor sensor is installed. The thermostat is well-integrated and is compatible with most Z-Wave devices in many different home automation hubs.

The Heatit ZTRM2fx is our newest thermostat, packed with innovative features. The thermostat works both with traditional electrical floor heating and hydronic systems. The thermostat gives you exact temperature measurements in your house, in order for you to monitor your house status while you are away.

**HEATIT Z-WAVE**

- Floor sensor
- External room sensor (connected by cable)
- Internal room sensor
- Temperature limiter
- Power regulator
- Weekly program/setback mode via gateway
- LED-diode
- Can be used in connection with different NTC-sensors
- Lock mode/child lock
- Calibration
- 8 associations

**TECHNICAL DATA**

- Protocol: Z-Wave - 868.4MHz
- Chip: Z-Wave 500 chip
- Rated voltage: 230V 50/60Hz
- Max load: 3600W (resistive load)
- Max current: 16A
- Power consumption: <1,5W
- Min/Max installation temp.: -20°C - 40°C
- Min/Max operating temp.: 5°C - 40°C
- Temperature intervals: Floor sensor 5°C - 40°C
- Hysteresis: 0,3°C - 3,0°C (default 0,5°C)
- Switch: Single-pole switch
- Included in package: Floor sensor, Art. no. 54 301 07
- IP Code: IP 21
- Approvals: Z-Wave Plus

**TERMINAL**

Use 1,5mm² or 2,5mm² according to load.

**HEATIT Z-TRM2fx**

- Floor sensor
- External room sensor (connected by cable)
- Internal room sensor
- Temperature limiter
- Power regulator
- Weekly program/setback mode via gateway or pilot wire
- Multilevel sensor command class
- Firmware updates (OTA)
- Power metering
- LED-diode
- Can be used in connection with different NTC-sensors
- Lock mode/child lock
- Calibration
- 5 associations
- Supports encryption mode: S0, S2 Authenticated Class, S2 Unauthenticated Class

**TECHNICAL DATA**

- Protocol: Z-Wave - 868.4MHz
- Chip: Z-Wave 500 chip
- Rated voltage: 230V 50/60Hz
- Max load: 2900W (resistive load)
- Max current: 16A
- Power consumption: <1,5W
- Min/Max installation temp.: -20°C - 40°C
- Min/Max operating temp.: 5°C - 40°C
- Temperature intervals: Floor sensor 5°C - 40°C
- Hysteresis: 0,3°C - 3,0°C (default 0,5°C)
- Switch: Single-pole switch
- Included in package: Floor sensor, Art. no. 54 301 07
- IP Code: IP 21
- Approvals: Z-Wave Plus

**TERMINAL**

Use 1,5mm² or 2,5mm² according to load.
HEATIT Z-DIM

• Multidimmer for various light sources
• Scene controller
• Dims:
  • LED
  • 230V halogen
  • Incandescent lightbulbs
  • Dimable LED-drivers
  • Electronic transformators
• Starts at 1VA and dims up to 200VA LED
• Trailing edge
• Multiway switching option
• Electronic thermal cutoff
• Electronic current cutoff with automatic reset
• Firmware updates (OTA)
• Power metering
• Supports encryption mode: S0, S2 Authenticated Class, S2 Unauthenticated Class

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

You save energy
When you dim the lights, you lower power consumption. The more you dim a bulb, the less power it consumes. Your total energy consumption is diminished.

THE BULBS LAST LONGER
Saving power also reduces pollution. When each bulb lasts longer, fewer are discarded.

LED STRIPS MAY ALSO BE DIMMED
New products make for new opportunities. By using LED strips you can create mood lighting virtually anywhere, even where ordinary light bulbs are not practical. How about a light strip over the kitchen counter, at the top of the display cabinet or along the wall in the hallway between your bedroom and bathroom?

EASY TO INSTALL
Contrary to what you might think, most dimmers are incredibly easy to install. Just turn off the power to the light switch, remove the standard switch and replace it with the new dimmer.

CREATE THE RIGHT MOOD
A dimmer can help you create mood lighting throughout your home. When dimming a light, you may change the light to a warmer tone to make the room more inviting. Great for when you’re in a romantic mood. Both you and your loved one are surrounded by a warm glow.
HEATIT Z-Scene Controller

- Z-Wave Scene Controller is a central scene controller
- 230V unit, acts as a repeater increasing network stability
- Up to 6 different channels
- All six LED-diodes are controlled individually and their functionality is configured in the gateway
- May be associated to other Z-Wave units
- Uses standard Gira push button modules with different designs and colors
- Low power usage, less than 0.3W in standby mode
- The firmware contains Multi Channel Command Class for a better visualisation and more logical control in the Z-Wave gateway
- Firmware updates (OTA)

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Protocol</th>
<th>Z-Wave</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDK</td>
<td>6.61</td>
</tr>
<tr>
<td>Rated voltage</td>
<td>230V 50Hz</td>
</tr>
<tr>
<td>Max load</td>
<td>1000W 5A (resistive load) or up to 150W inductive load</td>
</tr>
<tr>
<td>Power consumption</td>
<td>0.8W / 0.3W standby</td>
</tr>
<tr>
<td>Push buttons</td>
<td>Up to 6</td>
</tr>
<tr>
<td>Range</td>
<td>Up to 40 meters (depending on surroundings)</td>
</tr>
<tr>
<td>IP code</td>
<td>IP 20</td>
</tr>
<tr>
<td>Size (LxWxH)</td>
<td>70 x 70 x 27mm (without frame)</td>
</tr>
</tbody>
</table>

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

The Heatit Z-Scene Controller is a controller powered by mains. The switch can be used as a light controller using associations as well as using scene controller. Using this as the main switch panel is a great idea, thanks to it endless possibilities using scenes and association groups.
HEATIT Z-RELAY

- Multipurpose product for many different applications
- Relay 16A or 25A
- 3 inputs. Combinations of analog/digital inputs of your choice
- External antenna option
- Can be used in connection with different NTC-sensors
- Calibration
- Associations
- Firmware updates (OTA)
- Power metering
- Multilevel sensor command class
- Supports encryption mode: S0, S2 Authenticated Class, S2 Unauthenticated Class

TECHNICAL DATA

Protocol: Z-Wave - 868,4MHz
SDK: 6.71.03
Rated voltage: 230V 50/60Hz
Max load: 3600W/5750W (resistive load)
750W self-limiting heating cable
Max current: 16A or 25A
Power consumption: 0.8W standby
Min/Max installation temp: -20°C - 40°C
Min/Max operating temp: -20°C - 40°C
Hysteresis: 0.3°C - 3.0°C (default 0.5°C)
Compatible with NTC sensors with values 10, 12, 15, 22, 33 and 47 kΩ @ 25°C
Range: Up to 50 meters (depending on surroundings)
IP Code: IP 55
Size (LxWxD): 100 x 100 x 46 mm
Approvals: Z-Wave Plus (pending)
CE
EN 50491-3: 2009
EN 60669-2: 2004
EMC 2014/30/EU
RoHS 2011/65/EU
LVD 2014/35/EU

APPLICATIONS

- BOILER CONTROL
- WATER EXPENDITURE CONTROL
- LEAKAGE CONTROL
- TEMPERATURE CONTROL
- VARIOUS OUTDOOR APPLICATIONS

LEAKAGE CONTROL WITH SOLENOID
We have developed the relay module to work with our leakage sensor. You can control the solenoid valve in order to turn off the water supply when you are away. Automatically close the valve when there is a leak.

The relay can be associated with several leakage sensors.

BOILER CONTROL
We offer two different relay modules 16A or 25A for boiler control. We have included power metering so you are able to supervise the costs at any time.

HEATING/COLING
Any electrical heating and cooling may be controlled through temperature sensors. Set comfort temperature or use max or min limitation settings. May be used in connection with Heatit Z-Temp sensor for optimal control.

OUTDOOR APPLICATIONS
The relay has a IP 55 casing and can be used for any conceivable application outdoors, from watering your garden to frost protection or controlling any heating device.

The Heatit Z-Relay may be used to control high-current loads and it has power metering functionality. This makes you able to discover any installation that uses too much power, causing your electrical bill to skyrocket. It can also be used with a leakage sensor and a solenoid valve, enabling you to turn off the main water supply before it is too late. You can also setup notifications when leak is detected, so you can feel extra safe.

This product is a security enabled Z-Wave Plus product with encryption. The product must be used with a security enabled Z-Wave Controller in order to fully utilize the product.
HEATIT Z-Water

- Regulator for hydronic heating systems
- Relay outputs can control actuators in a hydronic floor heating system
- May be used to control both 24V actuators and 230V actuators
- Inputs may be configured to serve many purposes, either as digital or analog inputs
- May be used with a Heatit Z-Temp sensor in each zone
- DIN rail mounting
- Works as a Z-Wave repeater
- Firmware updates (OTA)
- Available firmware versions (analog/digital inputs)
- Supports encryption mode: S0, S2 Authenticated Class, S2 Unauthenticated Class

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Protocol</th>
<th>Z-Wave - 868/434MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDK</td>
<td>6.71.03</td>
</tr>
<tr>
<td>Rated voltage</td>
<td>100V - 240V 50/60Hz</td>
</tr>
<tr>
<td>Power consumption</td>
<td>0.6W standby</td>
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<tr>
<td>Fuse</td>
<td>3.15A Quick-Acting, LWF 250</td>
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<tr>
<td>Schurter Inc., part no.: 3405.0171.11</td>
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<tr>
<td>24V DC output</td>
<td>Maximum 1.17A, 28W</td>
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<tr>
<td>Max switching current</td>
<td>5A</td>
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<tr>
<td>Max load per relay</td>
<td>150W</td>
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<tr>
<td>Max voltage</td>
<td>250V AC, 38V DC</td>
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<tr>
<td>Inputs</td>
<td>Max input voltage: 10V DC</td>
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<tr>
<td></td>
<td>Input impedance: 10 KΩ</td>
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<td></td>
<td>Loop output voltage: 5V DC</td>
</tr>
<tr>
<td>Routing</td>
<td>Yes</td>
</tr>
<tr>
<td>FLIRS</td>
<td>No</td>
</tr>
<tr>
<td>Size (LxHxW)</td>
<td>160 x 86 x 58mm</td>
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<td>Approvals</td>
<td>Z-Wave Plus (pending)</td>
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<td></td>
<td>EN 50491-1: 2009, EN 60669-2: 2004</td>
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<td></td>
<td>LVD 2014/35/EU</td>
</tr>
</tbody>
</table>

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

The Heatit Z-Water is designed to be used with the Heatit Z-TRM2Fx thermostat or the Heatit Z-Temp. With a thermostat in each room, the Heatit Z-Water controls the solenoid valves that control the individual heating zones. It also has 4 analogue inputs for 10KΩ NTC, which may be used to measure exact temperatures where needed.
HEATIT
Z-DIN 616

- 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
- Mounted on DIN-rail in switchboard
- Potential free circuit control
- 6 x 16A potential free relays
- 2-pole switch solution when using 2 x relays combined
- Works as slave Z-Wave repeater
- Firmware Update (OTA)
- Supports encryption mode: S0, S2 Authenticated Class, S2 Unauthenticated Class

The Heatit Z-Din 616 is designed to be mounted on DIN rails. It features 6 potential free outputs capable of supplying 16Amps at 230V, and 6 digital inputs. This makes the Heatit Z-Din 616 a flexible DIN rail mounted Z-Wave device, which may be used for anything from controlling lights to motors or contactors.

This product is a security enabled Z-Wave Plus product with encryption. The product must be used with a security enabled Z-Wave Controller in order to fully utilize the product.
Heatit Controls AB can not be held liable for typographical errors, other errors or omissions in our information.

Product specifications may change without further notice.

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

Photo: InHouse Heatit Controls AB
InStockPhoto.com
Colourbox.com

Product photos from suppliers.