

# HEATIT ZM THERMOSTAT 16A

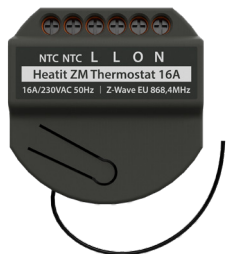


Read the full manual at:  
manuals.heatit.com

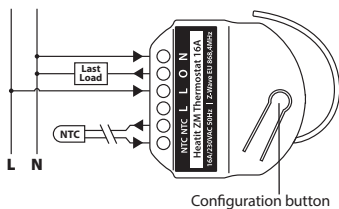
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## Quick Guide

01.09.21 Ver 2021-A



Wire the device as illustrated below.  
The product allows for wiring of cables with cross section of up to 1X2.5mm<sup>2</sup>



- N Power connection (Neutral) 230VAC.
- O Output. Load needs to be connected between O and Neutral.
- L Power connection (Live) 230VAC.
- L Power connection (Live) 230VAC.
- NTC 10K NTC Temperature sensor.
- NTC 10K NTC Temperature sensor.

## ADD/REMOVE

- Set the primary controller to add mode (secure/non-secure).
- Press the configuration button 3 times in rapid succession.
- The device LED will flash green when the adding procedure has been successfully initiated.

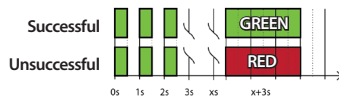
When the device has been included in the home automation system, the LED will stay green for 3 seconds. The device is now ready for use with default settings.

If the adding process was unsuccessful, the LED will show a red light for 3 seconds. Please perform a "remove device" process and try to add again. If the LED goes red again, please see the full manual for more information regarding adding, removing and factory reset.

Adding/removing mode is indicated on the device by a flashing green lights. This lasts until timeout occurs after 90 seconds, or until the device has been added/removed from the network.

NB! When the device is removed from the gateway, the parameters are not reset. To reset the parameters, see the full manual.

## LED PATTERNS



## TECHNICAL DATA

<b>Protocol</b>	Z-Wave
<b>Chip</b>	Z-Wave 700 chip
<b>Rated voltage</b>	230VAC 50Hz
<b>Max load</b>	3600W 165A
<b>Power Consum.</b>	<1W
<b>Ambient temp.</b>	5°C to 40°C (-30°C to 70°C storage)
<b>Humidity</b>	Max 95% RH
<b>Range RF</b>	Min. 40 meters
<b>IP Code</b>	IP 20
<b>Size (DxWxH)</b>	46 x 45 x 25mm

<b>Approvals</b>	Z-Wave Plus V2, CE, EN 60669-1:2018, EN 60669-2-1:2004 + A1:2009, EN 60669-1:2004/A12:2010, EN 60669-2-5:2016, IEC 965-2-1, EN 62479:2010, ETSI EN 301 489-3 V2.1.1(2017-03), ETSI EN 300 220-2 V3.1.1(2017-02), RoHS 2002/95/EG, WEE 2002/96/EC
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The device is maintenance-free. Indoor use only.

## INTRODUCTION

Heatit ZM Thermostat 16A is an electronic thermostat for electrical floor 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 single pole relay. The thermostat requires you to connect an external sensor which is included with the device. The device can withstand a max load of 16A at 230VAC.

## STATEMENT REGARDING PRODUCTS FROM MULTIPLE MANUFACTURERS

### Please read this before installation

This device may be used with all devices certified with the Z-Wave Plus™ certificate and should be compatible with such devices produced by any manufacturer. Every primary controller is different depending on the manufacturer, their target audience and intended use/application. Please review the functionalities implemented by the primary controller you intend to use with our Z-Wave Plus certified device to ensure that it provides the necessary controls to take full advantage of our product's capabilities.

## INSTALLATION

Installation must be done by a qualified electrician in accordance with national building codes. Before installation, disconnect the power to the device. During installation of the device, power to the device must be disconnected AT ALL TIMES!

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.



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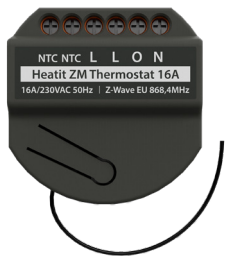


Komplett engelsk manual:  
manuals.heatit.com

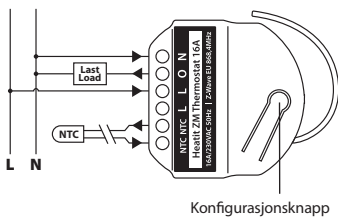
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## Quick Guide

01.09.21 Ver 2021-A



Koble til ledningene som vist på tegningen under.  
Maks diameter for tilkoblede kabler er 1x2,5mm<sup>2</sup>



- N Strømtilkobling (nøytral) 230VAC.
  - O Utgang. Last kobles mellom O og nøytral.
  - L Strømtilkobling (Live) 230VAC.
  - L Strømtilkobling (Live) 230VAC.
- NTC 10K NTC temperatursensor.  
NTC 10K NTC temperatursensor.

## INKLUDERING/EKSKLUDERING

1. Sett gatewayen i inkluderingsmodus (secure/non-secure).
2. Trykk på konfigurasjonsknappen tre ganger i rask rekkefølge.
3. Enheten vil blinke grønt når inkluderingsprosessen har satt igang.

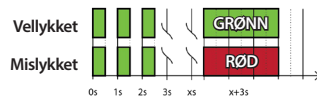
Når enheten er inkludert i smarthussystemet lyser LED-lampen grønt i 3 sekunder. Enheten er nå klar til bruk med standardinnstillinger.

Hvis enheten ikke ble lagt til, lyser den rødt i 3 sekunder. Utfør ekskluderingsprosessen og prøv igjen. Hvis LED-lampen lyser rødt igjen, vennligst les den fullstendige manualen for mer informasjon om inkludering, ekskludering og fabrikkinnstillinger.

Inkluderings-/ekskluderingsmodus indikeres ved at lyset blinker grønt. Dette varer til tidsavbrudd etter 90 sekunder, eller til enheten er lagt til/fjernet fra nettverket.

NB! Når enheten fjernes fra gatewayen, tilbakestilles ikke parametrene. For å tilbakestille parametrene, se fullstendig manual.

## LED INDIKASJONSMØNSTER



## TEKNISKE DATA

Protokoll	Z-Wave
Chip	Z-Wave 700 chip
Spenning	230VAC 50Hz
Maks belastning	3600W 16A
Effektforbruk	<1W
Omgivelsestemp	5°C til 40°C (-30°C til 70°C lagring)
Luftfuktighet	Maks. 95% RH
Rekkevidde RF	Min. 40 meter
IP-klasse	IP 20
Størrelse (LxBxH)	46 x 45 x 25 mm

Sertifisering	Z-Wave Plus V2, CE, EN 60669-1:2018, EN 60669-2-1:2004 + A1:2009, EN 60669-1:2004/A12:2010, EN 60669-2-5:2016, IEC 965-2-1, EN 62479:2010, ETSI EN 301 489-3 V2.1.1 (2017-03), ETSI EN 300 220-2 V3.1.1 (2017-02), RoHS 2002/95/EG, WEEC 2002/96/EC
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Produktet trenger ikke vedlikehold. Kun for innendørs bruk.

Heatit Controls AB tar forbehold om typografiske feil, andre feil eller mangler i vår informasjon. Produktspesifikasjoner kan bli endret uten ytterligere varsel. Skal kun installeres av en registrert installasjonsvirksomhet. Produktet skal installeres i henhold til gjeldende NEK 400 og installasjonsveiledning.

**heatit**  
CONTROLS

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