



**Controls  
Ver 2020-A  
Thermosta  
t Z Temp**



## heatit Controls Ver 2020-A Thermostat Z Temp User Guide

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**heatit Controls Ver 2020-A Thermostat Z Temp**



## Specifications

- **Protocol:** Z-Wave, 868.4MHz
- **Chip:** Z-Wave 500 chip
- **Rated voltage:** 230V AC 50Hz
- **Power:** 1VA – 200VA
- **Input current:** 0.9A
- **Controls:** Push and rotary dimmer
- **Range RF:** Min. 40 meters
- **Connection:** Flush mounting depth 15mm
- **IP Code:** IP 20
- **Size (LxWxH):** 84 x 84 x 43mm
- **Approvals:** Z-Wave Plus, CE, EN certifications, EMC, RoHS, LVD directives

## Installation:

1. Disconnect the power.
2. Connect the wires according to the wiring diagram.
3. Install the dimmer in the wall box (A). Ensure no wires are pinched.
4. Attach the cover (B) using the supplied nut (C).
5. Attach the button (D) with a simple push.

## Calibration

Heatit Z-Dim may need calibration after installation. Follow these steps:

1. Add the dimmer to your Z-Wave network as described in the manual.
2. Turn the wheel counterclockwise to the lowest brightness level.
3. Adjust Parameter 2 (Minimum Dim level) according to your needs.
4. Turn the wheel clockwise to the highest brightness level.
5. Adjust Parameter 3 (Maximum Dim level) according to your needs.

## FAQ

### **Q: What light sources are compatible with Heatit Z-Dim?**

A: Heatit Z-Dim is designed for use with LED bulbs from 1VA-200VA, 230V halogen and incandescent bulbs, dimmable LED drivers, and electronic transformers.

### **Q: How do I enter add/remove mode for the dimmer?**

A: Refer to the manual of your primary controller on how to enter add/remove mode. When in add/remove mode, press the main button on the dimmer 6 times rapidly.

### **Q: What is the calibration procedure for Heatit Z-Dim?**

A: After installation, add the dimmer to your Z-Wave network, adjust the minimum and maximum dim levels, and ensure proper power connection as outlined in the manual.

Read the full manual at: [manuals.heatit.com](https://manuals.heatit.com)



## **NB! DIMMING**

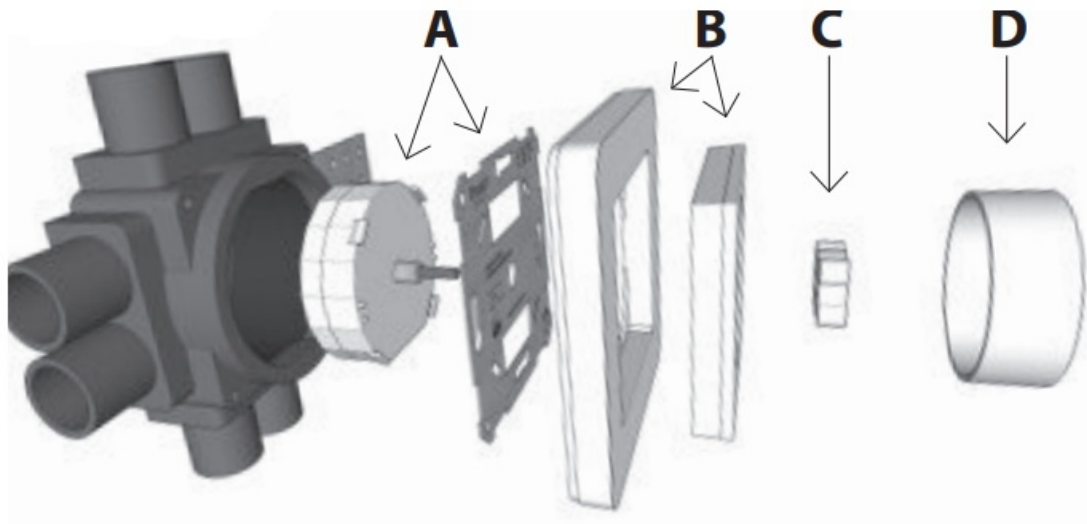
Lighting management may be challenging, and we recommend checking the compatibility of different light sources/bulbs before installation.

## **COMPATIBILITY**

Heatit Z-Dim is a Z-Wave rotary dimmer designed for use with LED-bulbs from 1VA-200VA, 230V halogen and incandescent bulbs, dimmable LED-drivers and electronic transformers.

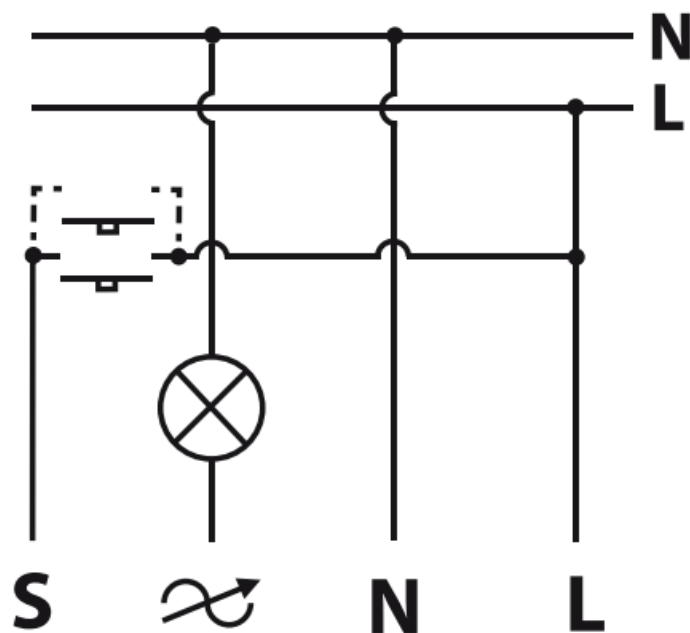
Installation must be done by a qualified electrical installer by following the National Building codes. Before installation, disconnect any power to the dimmer mains. During the installation process, power to the dimmer must be disconnected AT ALL TIMES!

## **INSTALLATION**



1. Disconnect the power.
2. Connect the wires according to the wiring diagram.
3. Install the dimmer (A) in the wall box. Make sure that no wires are pinched.
4. Attach the cover (B) with the supplied nut (C).
5. Attach the button (D) with a simple push.

### WIRING DIAGRAM3

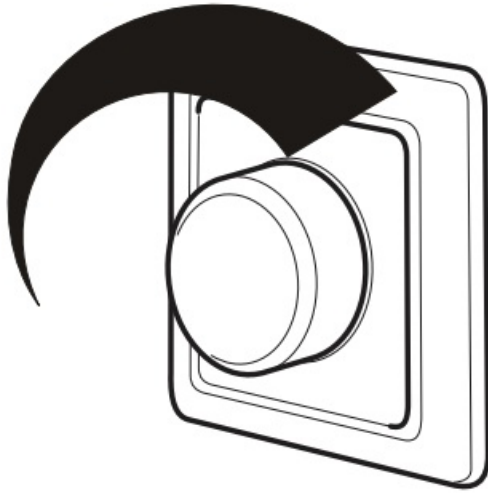


### ADD/REMOVE

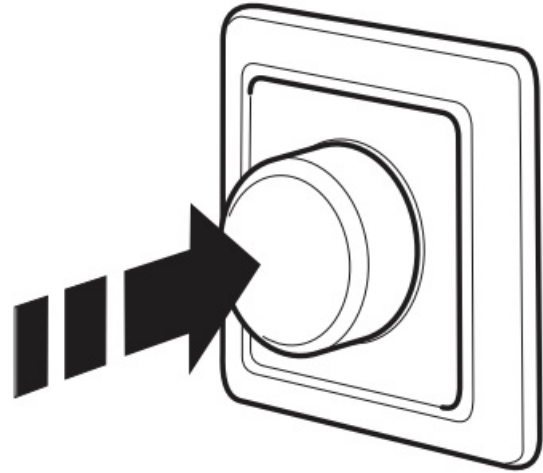
Please refer to the manual of your primary controller on how to enter add/remove mode. When the primary controller is set to add/remove mode press the main button on the dimmer 6 times in a rapid sequence.

### CONTROLLING THE DIMMER

**Increase / decrease**



**On / Off**



## **CALIBRATION**

Heatit Z-Dim may need to be calibrated after installation. To get the Heatit Z-Dim dimmer calibrated the following procedure should be performed after installation.

1. Add the dimmer to your Z-Wave network as described in Paragraph 4 “Add/Remove” in the main manual.
2. Turn the wheel counterclockwise to get the lowest brightness level.
3. Adjust Parameter 2 “Minimum Dim level” according to your needs.
4. Turn the wheel clockwise to get the highest brightness level.
5. Adjust Parameter 3 “Maximum Dim level” according to your needs.

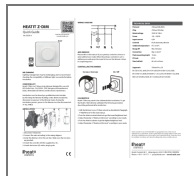
## **TECHNICAL DATA**

- Protocol Z-Wave, 868,4MHz
  - Chip Z-Wave 500 chip
  - Rated voltage 230V AC 50Hz
  - Power 1VA – 200VA
  - Input current 0,9A
  - Controls Push and rotary dimmer
  - Ambient temperature 0°C to 40°C
  - Range RF Min. 40 meter
  - Connection Max. 2,5mm<sup>2</sup>
  - Flush mounting depth 15mm
  - IP Code IP 20
  - Size (LxWxH) 84 x 84 x 43mm
  - Approvals Z-Wave Plus, CE
- EN 55015/A2: 2009, EN 61547:2009, EN 61000-3-2/A2:2009,  
EN 61000-3-3:2008, EN 60669-2-1/A12:2010, EN 60669-1:A2:2008,  
EMC 2014/30/EU, RoHS 2011/65/EU, LVD 2014/35/EU

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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## Documents / Resources



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Ver 2020-A Thermostat Z Temp, Ver 2020-A, Thermostat Z Temp, Z Temp, Temp

## References

- [Heatit documents page](#)
- [Thermo Floor documents page](#)
- [User Manual](#)

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