HEATIT Z-TRM3

Quickguide Ver 2020-A
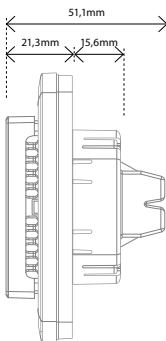
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INTRODUCTION

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 is equipped with a single pole switch and fits into System 55 frames. The thermostat can withstand a load of max 16A /3600W at 230V. The thermostat may be used for water based heating if the thermostat is linked with the Heatit Z-Water.

NB! If the sensor mode is changed to A or AF mode then a room sensor compensation process will start, which limits maximum power output to 75%. The thermostat adapts to the environment within a few days. No internal sensor calibration should be performed during the first few days.

INSTALLATION

Use e.g. a small slotted screwdriver. Start by carefully removing the front cover by pushing the release springs. The front cover and the frame may now be removed. Connect the wires to the thermostat terminals: Use 1,5mm² or 2,5mm² according to load.
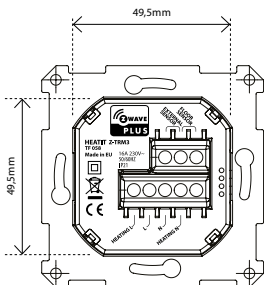
HEATING (N)	Heating cable connection (Neutral)
N	Power connection (Neutral) 230V
L	Power connection (Live) 230V
HEATING (L)	Heating cable connection

FLOOR SENSOR
NTC type (10, 12, 15, 22, 33 or 47kΩ). Default 10kΩ.

EXTERNAL SENSOR
NTC type (10, 12, 15, 22, 33 or 47kΩ). Default 10kΩ.

Next, position the thermostat and fasten it onto the wall's mounting box using 2-4 screws. Position the frame, then position and carefully press the front cover until it snaps in place. Check that the front cover has snapped in place properly on both left and right side. The front cover should now be firmly fixed on all sides. To be able to to read the Power Metering, the load needs to be connected to both heating L + N.

Release spring

1: Left   2: Center   3: Right

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CONTROLS

CE
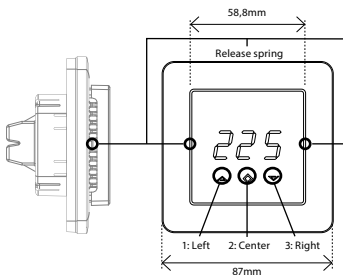
ADD/REMOVE

1. Press Center (confirm) for 10 seconds.
The display will show OFF.
2. Press Right (down) 5 times till you see Con in the display.
3. Now start the add/remove device process in your home automation software.
4. Start adding/removing mode by pressing Center (confirm) for approximately 2 seconds.
Adding/removing mode is indicated in the display by rotating LED segments in the display until the timeout occurs after 90 seconds, or if the module has been added/removed in the network. Confirmation will show Inc/EcL in the display. Leave programming mode by choosing ESC in the menu. Your thermostat is now ready for use with default settings.

TECHNICAL DATA

Protocol	Z-Wave - 868,4MHz
Chip	Z-Wave 500 chip
Rated voltage	230V 50/60Hz
Max load	3600W (resistive load)
	750W self-limiting
	heating cable
Max current	16A
Power consumption	<2,0W
Ambient temperature	0℃ to 40℃ (during
	operation)
Temperature range	5℃ to 40℃
Hysteresis	0,3℃ to 3,0℃ (default
	0,5℃)
Compatible with NTC	
sensors with values	10, 12, 15, 22, 33 and 47
	kΩ @ 25℃
IP Code	IP 21
Approvals	Z-Wave Plus
	CE, EN 60730-1
	EN 60730-2-9
	EMC 2014/30/EU
	RoHS 2011/65/EU
	LVD 2014/35/EU

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CONTROLS