



## W54460-Z2E Relay Module with Z2E Bridge

### Overview

The H2O Degree Relay Module is a wireless mesh network line powered node with an integrated relay and current detector. The W54460-Z2E is a wireless device for use in multiple applications. It provides a compact and economical solution for the control of devices such as baseboard heaters, zone valves and lighting. The Module may be used to control heating when paired with a H2O Degree thermostat.

### Features

- The H2O Degree W54460-Z2E is a wireless relay module.
- Device enables control of baseboard heaters, zone valves, etc. when used with a H2O Degree W54460-E thermostat.
- Module is available in either 120 VAC or 208-240 VAC configurations.
- Module features 3 small LEDs that help verify device status.
  - Power
  - Link
  - Relay Status
- Module connects directly to baseboard heater or other electrical device to be controlled.
- Module includes an integrated industry standard 1/2" box connector for ease of mounting.
- Device supports A5-10-03EE8 and D2-11-01 EEP (EEP is EnOcean Equipment Profile).
- Two year warranty.



## Ordering Information

Model	Description
W54460-MIN	Relay Module for 120/208-240 VAC
W54460-Z2E	Relay Module for 120/208-240 VAC with Z2E Bridge

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# W54460-Z2E Relay Module with Z2E Bridge Technical Specifications

## Technical Specifications

### Specifications

Input Power 120 VAC or 208-240 VAC

### Relay Specifications

Contact Rating: Up to 240 VAC @ 15A

Mechanical Life: 100,000 Operations (Approx. 20 years typical use)

### Digital Input Specifications

Digital input dry contact for counting pulses from electric or water meter

LEDs: Power, Link, Relay Status

Device provides device status, device runtime and device current consumption in amps.

### Regulatory approvals

US Complies with FCC CFR Part 15

European RADIO EN 300 328:v1.7.1

European EMC EN 301 489-17:V2.1.1

European SAFETY EN 60950-1:2005 (Ed. 2.0)

### Radio

20 dBm output power

High sensitivity -106 dBm

16 channels (802.15.4 Channel 11 to 26)

2.4 GHz ISM band

### Environmental

Operating temperature 0 to 30 degree C

Storage temperature -25 to 50 degrees C

### Real Time Clock Specifications

Highly accurate real time clock keeps time even during power outage by using a small coin cell.

Real time clock is used to record time stamp for pulse counts from electric meters.

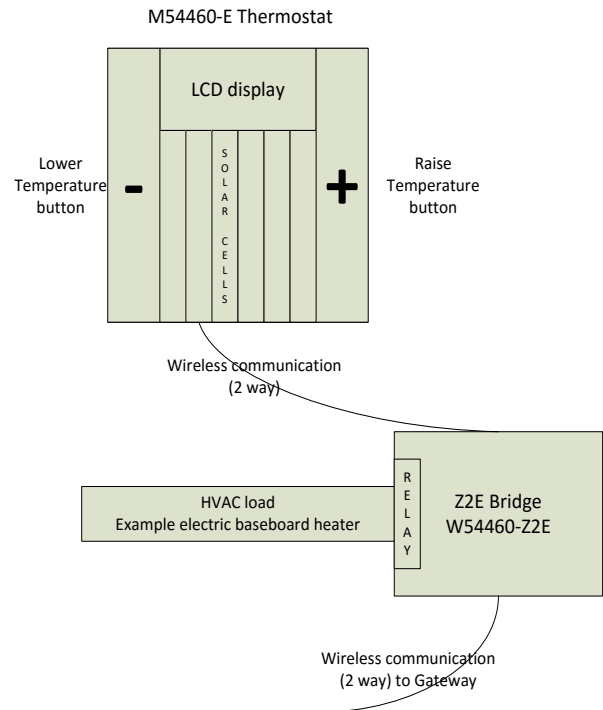
### Physical Specifications

Dimensions: 2.9" L x 4.0" W x 2.0" H

### Warranty

Two Years

## Wiring & Installation Information



## Ordering Information

### Model

W54460-MIN

W54460-Z2E

### Description

Relay Module for 120/208-240 VAC

Relay Module for 120/208-240 VAC with Z2E Bridge

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### H2O Degree

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