



# Calypso RM3500ZB Smart Water Heater Controller Installation Guide

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Calypso

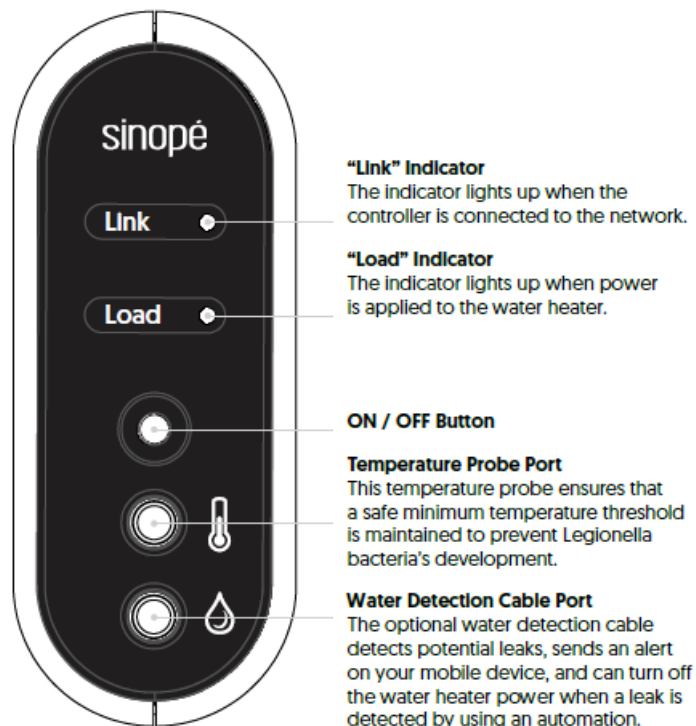
**Calypso RM3500ZB Smart Water Heater Controller**

**Warning**

The installation of this controller must be made by a certified electrician and must be installed in conformity with the national and local electrical codes.

The smart water heater controller is designed for indoor use only.

**YOUR CALYPSO CONTROLLER**



## TECHNICAL SPECIFICATIONS

- **Operating voltage:** 120 V – 240 V (60 Hz)
- **Maximum load:** 20.8 A @ 240 Vac Single-pole relay
- **Operating temperature:** 0 °C to 40 °C (32 °F to 104 °F)
- **Storage:** -20 °C to 50 °C (-4 °F to 122 °F)
- **Standard UL:** Conforms to ANSI/UL Std. 916 Certified under CAN/CSA Std. C22.2 No205.

### Indoor installation only

- Zigbee 3.0 profile
- **Frequency:** 2.4 GHz
- **Transmission power:** +20 dBm
- Receiver sensitivity: -108 dBm

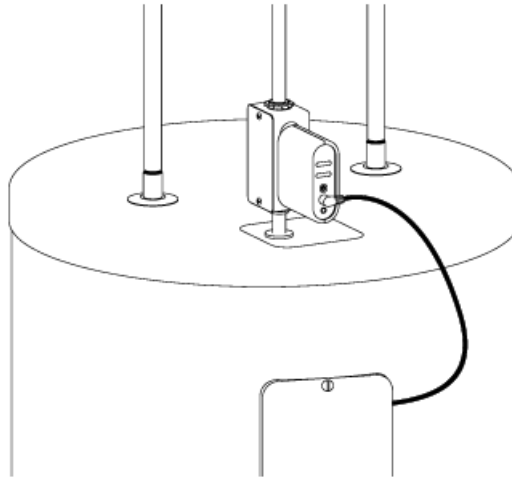
#### Note:

If your water heater has been turned off for several days, it is recommended to wait until the water temperature has reached 60 °C (140 °F) for 4 hours and then let the hot water run for a few minutes before using it.

## INSTALL YOUR CONTROLLER ON A WATER HEATER

1. Materials required for installation depend on the location of the water heater power supply:

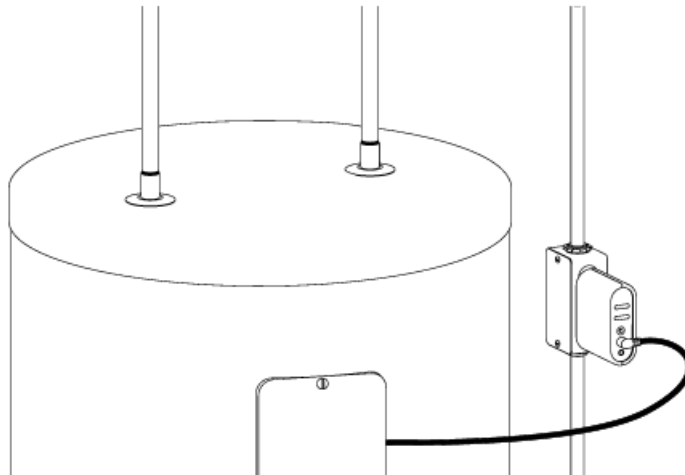
**A – Power supply located on top**



### Required material

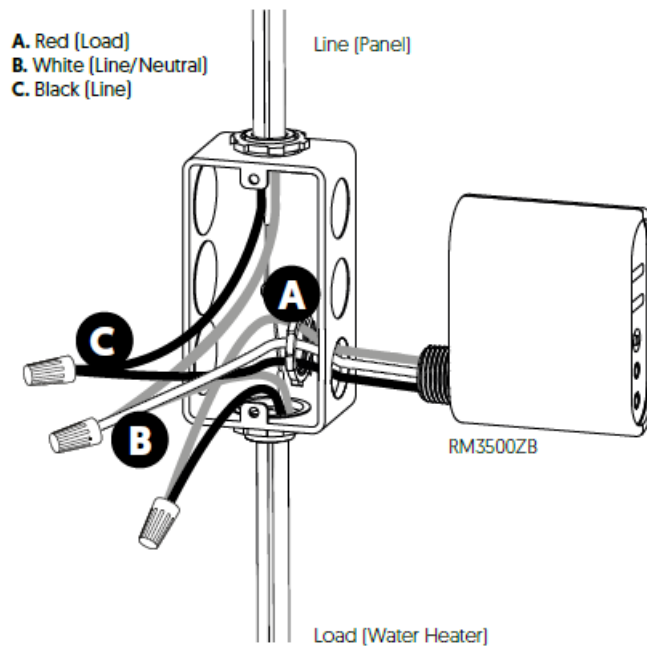
- 1 standard utility electrical wiring box – with conduit knockouts, 4" x 2-3/8" x 1-7/8" deep 1 electrical box cover
- 1 wire clamps
- 2 lock nuts
- 1 3/4" chase nipple

### B – Power supply located on the side



### Required material

- 1 standard utility electrical wiring box – with conduit knockouts, 4" x 2-3/8" x 1-7/8" deep
  - 1 electrical box cover
  - 2 wire clamps
2. Turn OFF the water heater circuit at the main electrical panel.
  3. Insert the water heater wire (load) and the power wire (line) into the electrical box and secure them with wire clamps. Install an electrical box ground wire to the water heater ground screw.
- A. Red (Load)
  - B. White (Line/Neutral)
  - C. Black (Line)

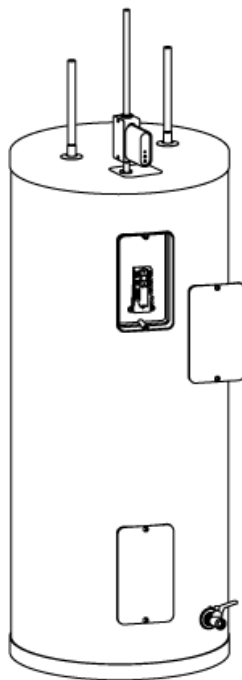


## INSTALLING THE TEMPERATURE PROBE

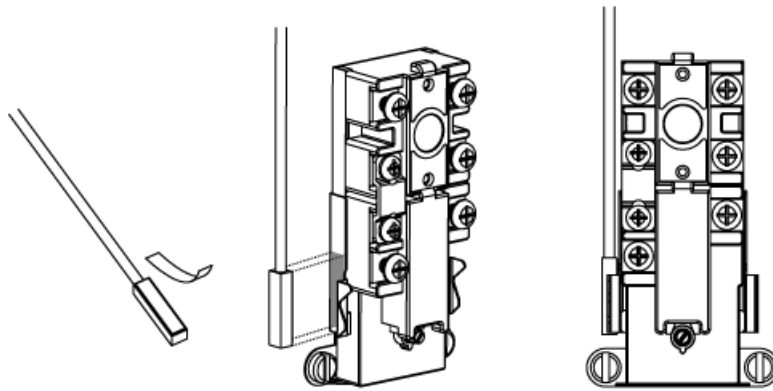
### Warning

The temperature probe ensures that a safe minimum temperature threshold is maintained to prevent Legionella bacteria's development

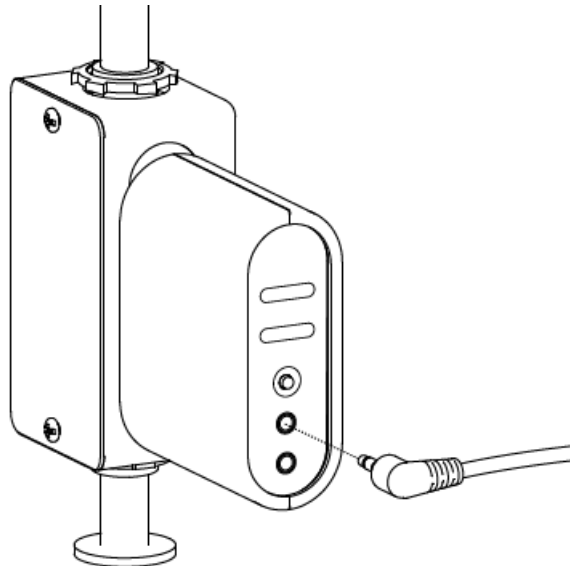
1. Unscrew and remove the door plate located at the top of the water heater.



2. Remove the sticker liner from the end of the probe and affix it to either side of the water heater's thermostat, as illustrated. Screw the water heater door plate in place. Note: Clean the side of the thermostat with isopropyl alcohol before affixing the probe.



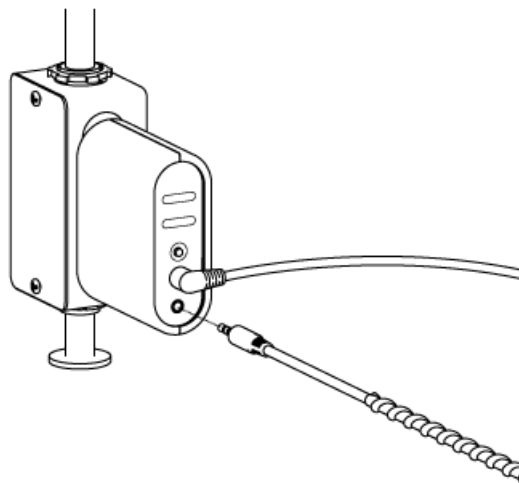
3. Plug the probe into the controller's temperature port.



## INSTALLING THE OPTIONAL AC4200C-02 WATER DETECTION CABLE

You can add a water detection cable to the water heater controller that can shut off its power as soon as a leak is detected.

1. Plug the water detection cable into the controller's lower port.



2. Position the water detection cable at the base of the water heater and secure its position with the provided fasteners.
3. Power up the controller.

## ADD YOUR CONTROLLER TO THE NEVIWEB APP

1. If you do not have an account yet, download the Neviweb app for iOS or Android to create an account and add your device.

#### Get the app

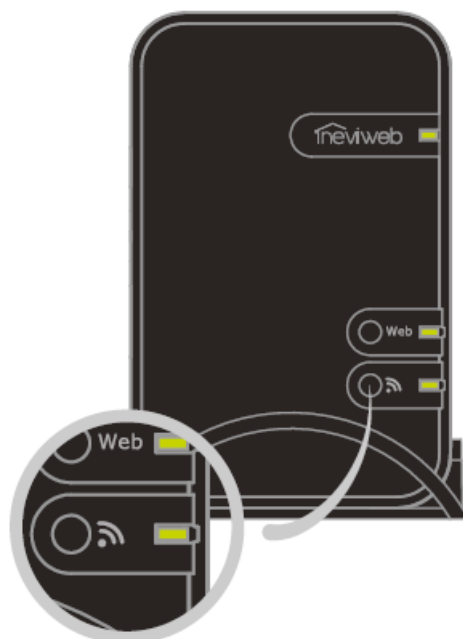


2. Tap, then select "Add Device".
3. Follow the steps of the installation wizard.

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## CONNECT YOUR CONTROLLER TO THE GT130 GATEWAY OR A COMPATIBLE ZIGBEE SYSTEM

1. Initiate the connectivity session by pressing the RF signal button on the GT130 gateway. The indicator light will start flashing.



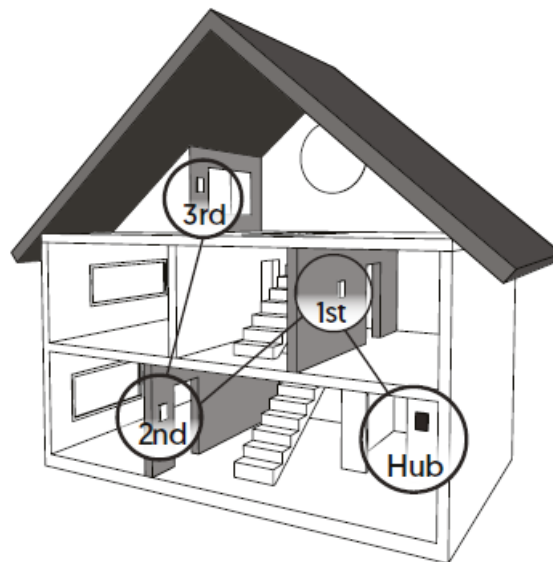
2. Connect the controller to your network by pressing the ON/OFF button for 3 seconds.

Link LED status	Connection status
Blinking green	The controller connects.
Green remains ON	The controller is connected.
Stays on red for 10 sec	Connection failed*

Refer to the «Support» section of our Website at [www.sinopetech.com](http://www.sinopetech.com).

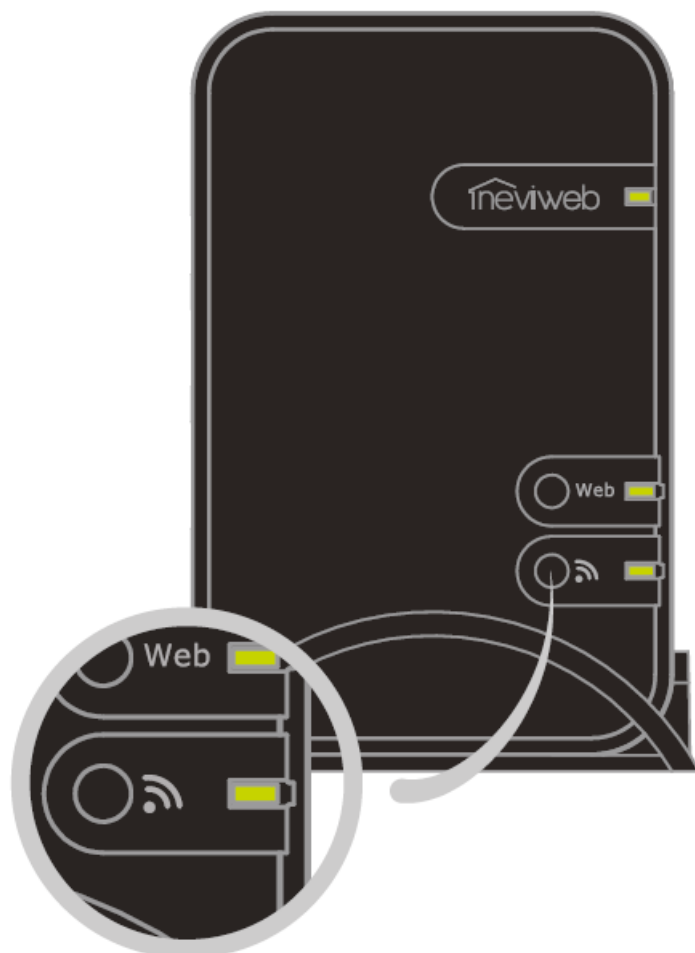


3. Connect all your compatible Zigbee devices the same way by going to the next closest device.



4. When all your devices are connected, close the connectivity session of your GT130 gateway or your compatible Zigbee gateway.





## FCC STATEMENT

Transmitter module: FCC ID: QOQGM210P / IC: UC 5123A-GM210P FCC CFR 47 Title 15 Class B.

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device does not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment OFF and ON, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

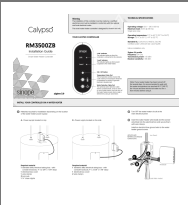
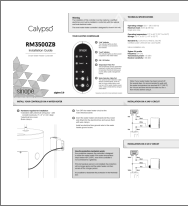
## 3-year limited warranty

SINOPÉ TECHNOLOGIES INC. warrants the components of their products against defects in material and workmanship for a 3-year period from the date of purchase, under normal use and service, when proof of purchase of such is provided to the manufacturer. This warranty does not cover any transportation costs that may

be incurred by the consumer. Nor does it cover a product that has been improperly installed, misused or accidentally damaged. The obligation of SINOPE TECHNOLOGIES INC., under the terms of this warranty, will be to supply a new unit and this releases the manufacturer from paying the installation costs or other secondary charges linked to replacing the unit or the components.

For more information, visit our Website: [www.sinopetech.com](http://www.sinopetech.com).

**Documents / Resources**

	<a href="#">Calypso RM3500ZB Smart Water Heater Controller</a> [pdf] Installation Guide RM3500ZB Smart Water Heater Controller, RM3500ZB, Smart Water Heater Controller, Water Heater Controller, Heater Controller, Controller
	<a href="#">Calypso RM3500ZB Smart Water Heater Controller</a> [pdf] Installation Guide RM3500ZB Smart Water Heater Controller, RM3500ZB, Smart Water Heater Controller, Water Heater Controller, Heater Controller, Controller

**References**

- [S La maison intelligente Ã votre image - SinopÃ© Technologies](#)