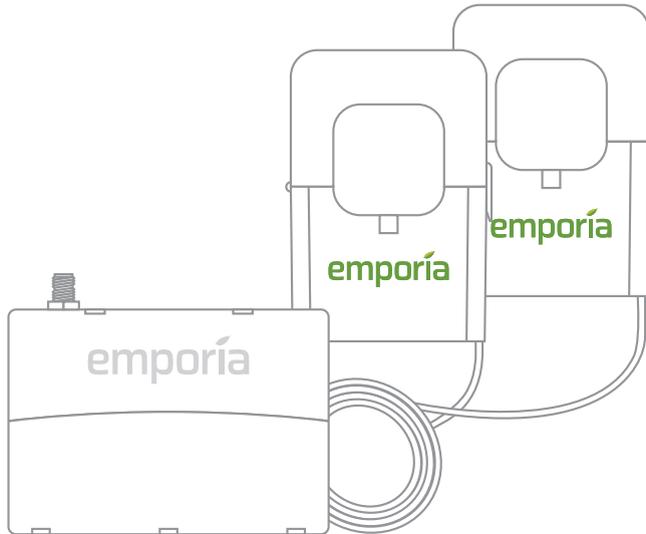


Emporia Vue

Universal Connect
Whole Home Energy Monitor



Installation Guide



WARNING! The Emporia Vue requires installing sensors inside your home's electrical panel and working around dangerous voltage that could lead to injury or death. Emporia recommends that installation be performed by a licensed electrician or other qualified professional in accordance with the regional electrical code where it is being installed.

Improper installation or use of the equipment can be dangerous or even fatal. In no event shall Emporia be liable to you or any third party for any damages, either direct or indirect, arising from or related to any personal injury as a result of your failure to follow the safety information and instructions in this Installation Guide.

Safety information

- ⚠ Personal protective gear should be worn when installing the Emporia Vue.
- ⚠ Do not use the Emporia Vue in any manner other than specified in this installation guide.
- ⚠ Do not attempt to open, disassemble, or repair any of the components of the Emporia Vue.
- ⚠ If you believe any of the Emporia Vue components may have been damaged, do not attempt to use them.
- ⚠ Do not install the Emporia Vue in environments with explosive gas or vapors; nor in damp or wet environments; nor in direct sunlight; nor where temperatures are consistently below 14° F (-10° C) or above 122° F (50° C).

Need help?

-  emporiaenergy.com/support
-  support@emporiaenergy.com
-  1-844-EMPORIA (367-6742)

Before you get started

The Emporia Vue is installed in your home's electrical panel. You'll turn off the main breaker, which will shut off all of the power in your home. **However, the service mains will remain dangerously energized.** The following items may help with safe installation. It's also helpful to perform the installation with a friend.



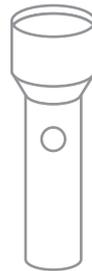
Phillips and flathead
screwdrivers



Protective
eyewear



Protective
gloves



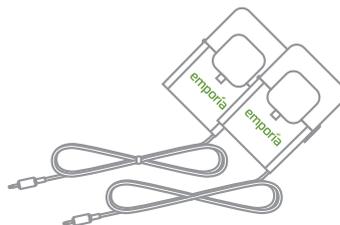
Alternative
light source

What's in the box

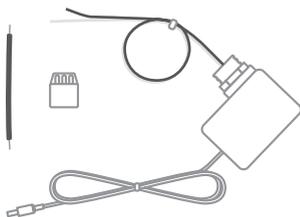
Your new Emporia Vue contains the following items. If you believe that any of these items may have been damaged for any reason, do not attempt to use them and call support immediately.



Energy monitor



Two 200A current sensors



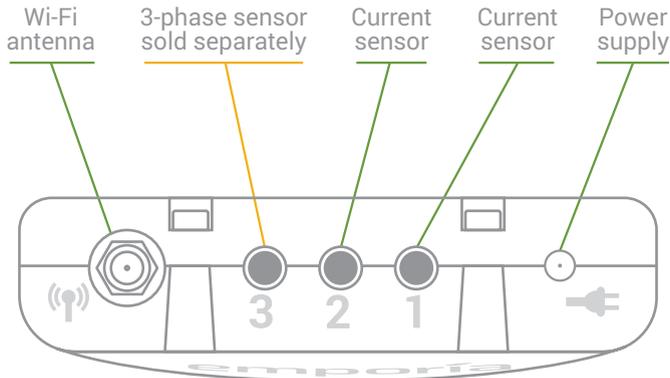
Power supply,
wire tap, and extra wire



Wi-Fi antenna,
knockout plug, and cable

Energy monitor connections

The energy monitor is the hub of the Emporia Vue. Ports are located across the top of the energy monitor for various connections. **Note that port #3 is used for light commercial 3-phase monitoring and not covered in this guide.**



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Step 1: Get the app

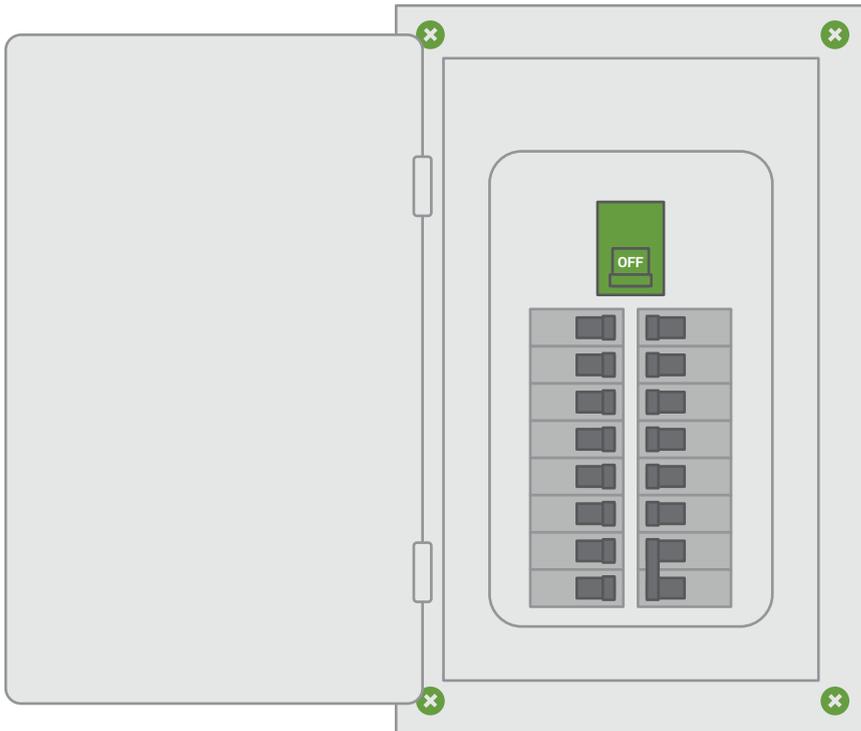
Use your phone to check the signal strength of your Wi-Fi network next to the electrical panel in your home. Low/no signal may require a Wi-Fi extender (available at shop.emporiaenergy.com) for the Vue to work. Download the **Emporia Energy app** onto your phone or tablet from emporiaenergy.com/app, from the Apple App Store, or from Google Play. **Create an account** and **begin the setup process**. The app will let you know when it's time to return to this installation guide and install your Vue hardware.



emporiaenergy.com/app

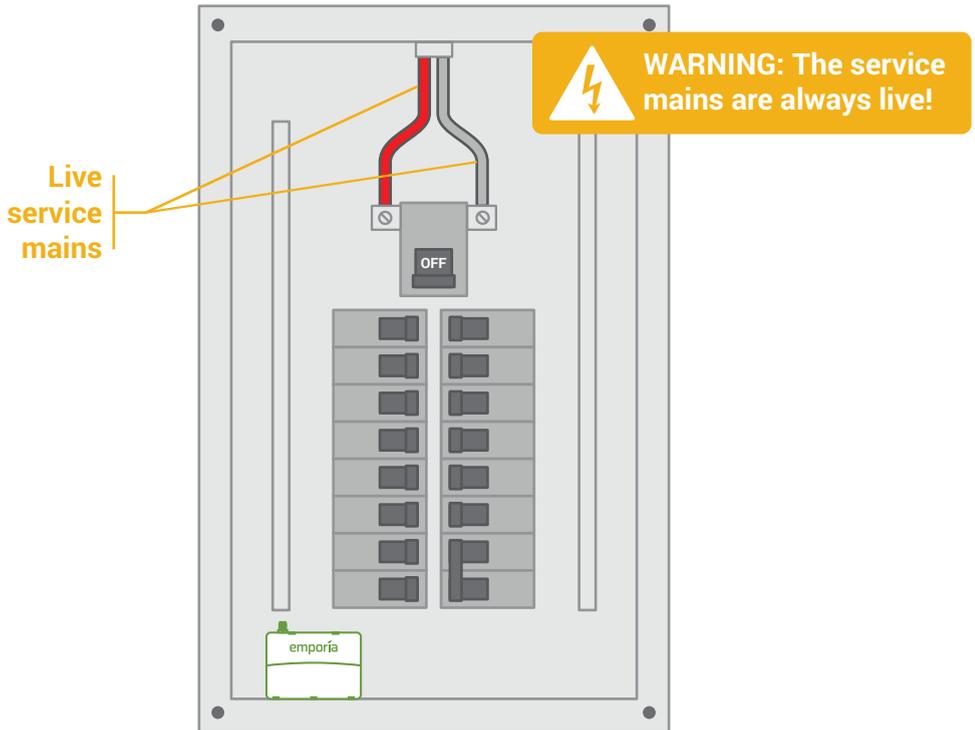
Step 2: Turn off the main breaker and remove the cover

Turn off the main breaker, which may be located elsewhere in your house or you may not even have one. This turns off all the circuits in your home. Next, remove any screws holding the cover to the panel and remove the cover to access the circuit breakers and **the live service mains!**



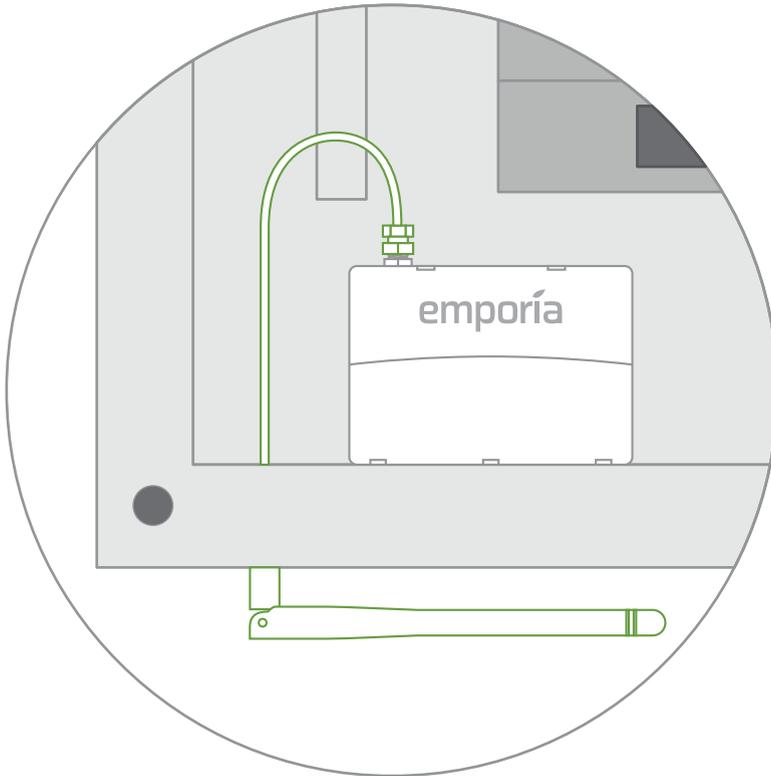
Step 3: Find a place for the monitor

Locate a place within your electrical panel for your Vue energy monitor. Your breaker box may be oriented differently, but the monitor is small and designed to fit easily in the box. Find a place that works for you.



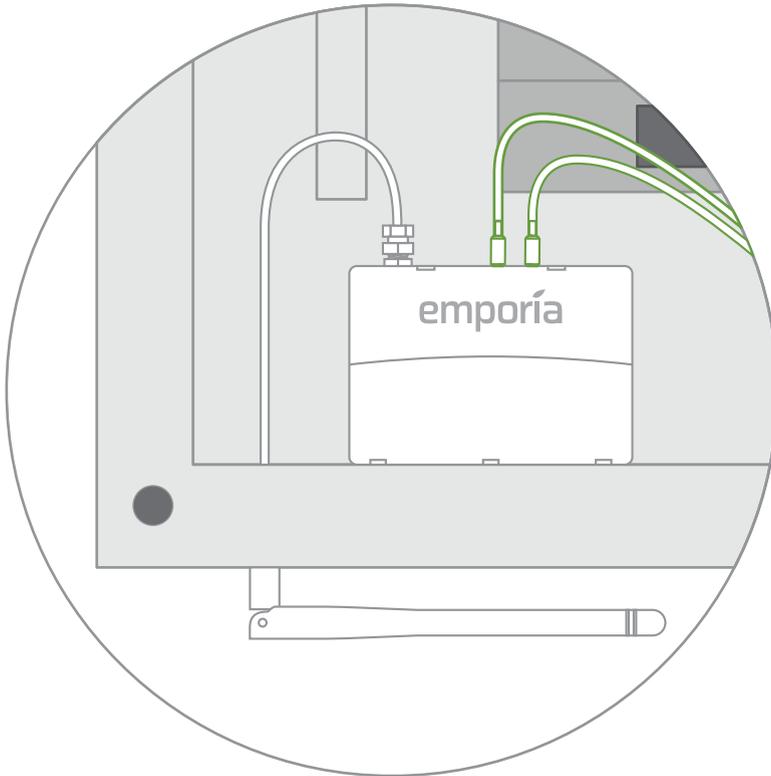
Step 4: Mount the antenna

Use a screwdriver to remove a knockout from inside the electrical panel. Connect the cable to the antenna and mount it with the knockout plug through the hole. It's ok to install the antenna inside of a wall. Screw the cable to the top of the energy monitor in the jack marked (A).



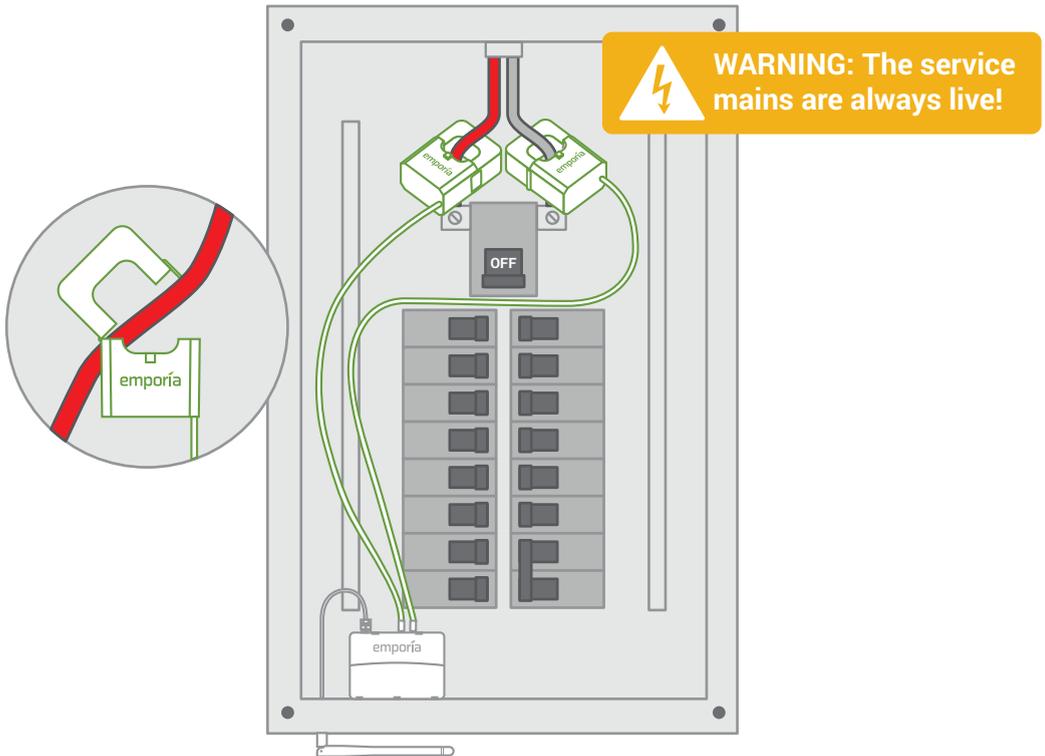
Step 5: Plug in the current sensors

Insert the plugs attached to the two current sensors into the 3.5mm port **labeled 1 and 2** on the top of the energy monitor. Either sensor can be plugged into either jack. **Do not plug either current sensor into port #3**, which is for 3-phase system monitoring (sensor sold separately).



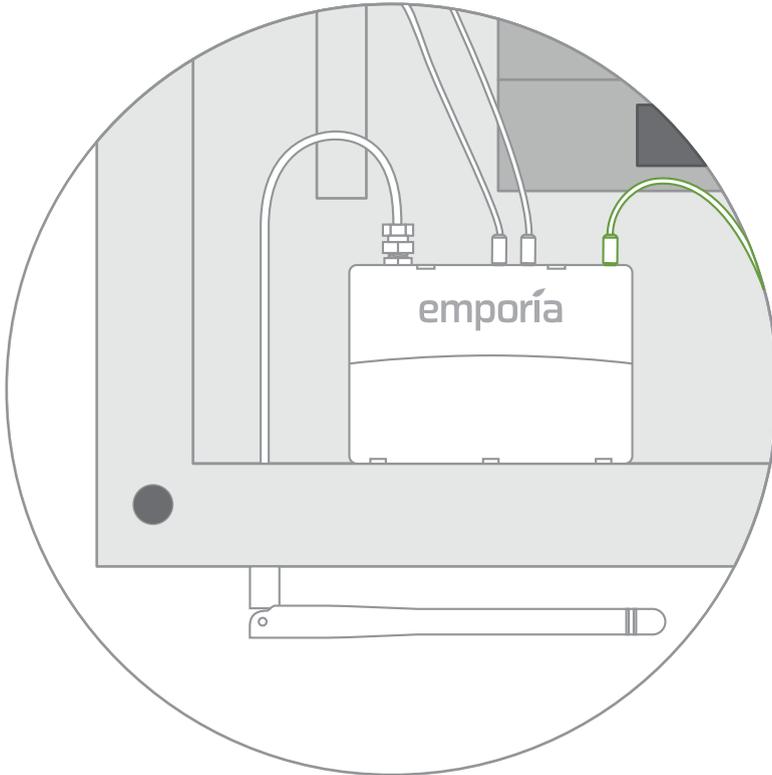
Step 6: Connect sensors to the mains

Open the clasps on the sensors and place each sensor clamp around one of the main service cables. Then shut the clasps to secure the sensors. **IMPORTANT! The Emporia logo side of the sensor must point toward the utility/meter/incoming energy.**



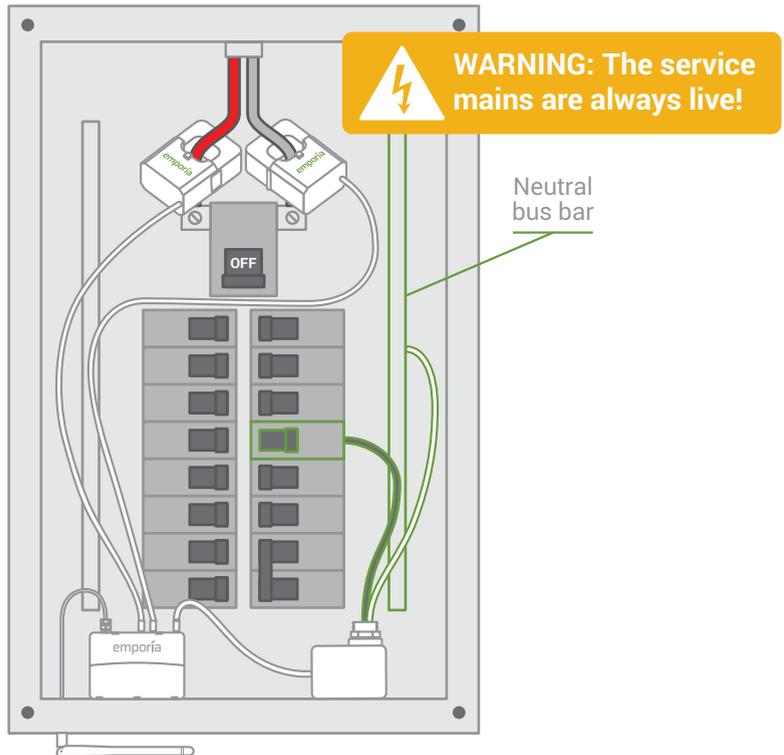
Step 7: Plug in the power supply

Insert the barrel plug attached to the power supply into the AC power socket marked  on the top of the energy monitor.



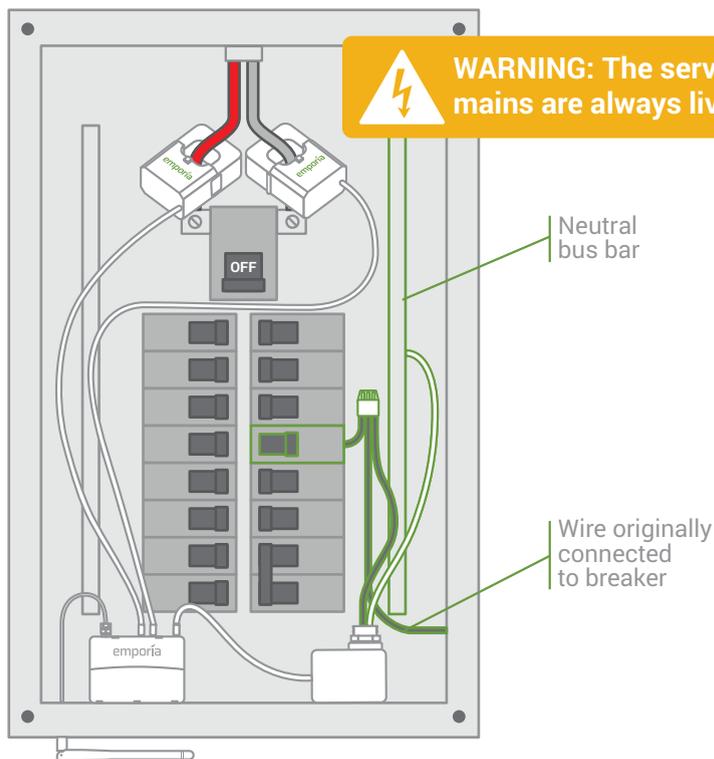
Step 8(A): Wire to empty breaker

If there is not an empty breaker, use Step 8(B): Wire tap alternative. Otherwise, secure the white wire from the power supply to the neutral bus bar. Turn off an empty 15A or 20A breaker and secure the black wire from the power supply.



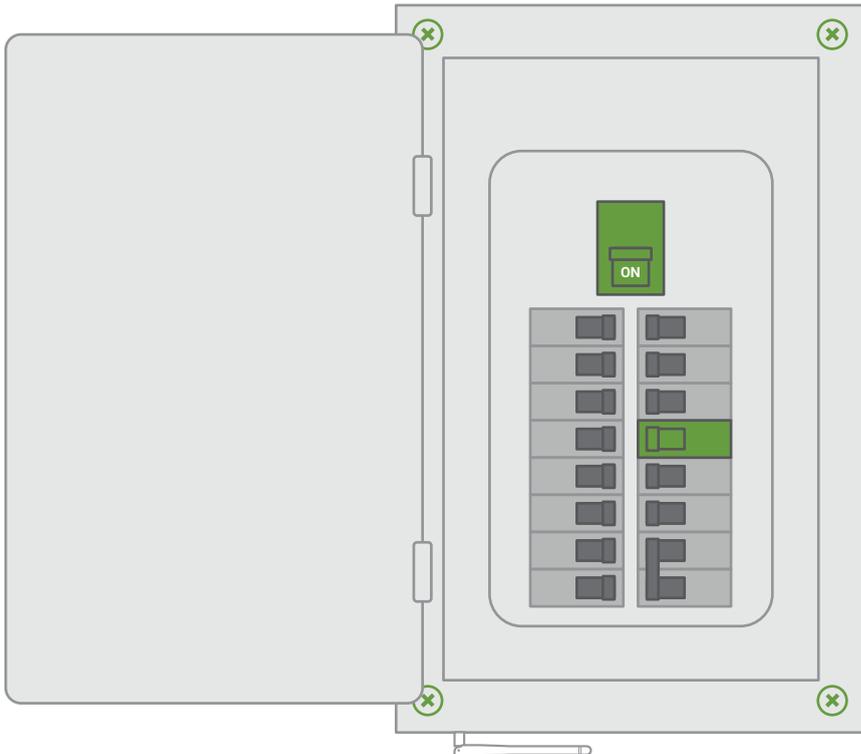
Step 8(B): Wire tap alternative

If all breakers are wired, secure the white wire to the neutral bus bar. Turn off a 15A or 20A breaker and disconnect its wire. Connect that wire to the wire tap with the black wire from the power supply. Connect the extra wire to the wire tap and secure it to the breaker.



Step 9: Replace the cover and turn on all breakers

Secure the cover to the box with any screws you removed in Step 2. Next, flip any breakers that you turned off during installation to restore power to the circuits in your home. Then, close the panel.



Step 10: Complete setup with the app

Go back to the **Emporia Energy app** on your phone or tablet. Click the button to indicate that you have installed your Emporia Vue and you're ready to proceed. Your phone will connect via Bluetooth to the system and then you'll connect to a nearby Wi-Fi router. Make sure you have your Wi-Fi name and password.



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Troubleshooting Tips

The Emporia app is not finding the Emporia Vue after I've installed it.

- Ensure the Vue has power:
 - When the Vue has power, a green light blinks in the “e” of emporia.
 - Double check the power supply is securely plugged into the energy monitor and securely connected to a breaker and neutral bus.
 - Double check that the main breaker is turned on.
 - Double check that the breaker the Vue is connected to is on.
- Ensure your phone can connect to the Vue.
 - Turn on your phone's Bluetooth.
 - If you're using an Android, you'll also need to turn on Location Services for your phone to properly scan for Bluetooth devices.
- Ensure the Vue's Wi-Fi antenna has been installed properly.
 - Ensure that the antenna is properly screwed into the energy monitor
 - Ensure the antenna is outside of the electric panel. It's ok if it is inside a wall. However, it should not be inside the metal box.
- Try power cycling the breaker to which the Vue is connected.
- Try restarting the Emporia App.
- Try rebooting your phone.

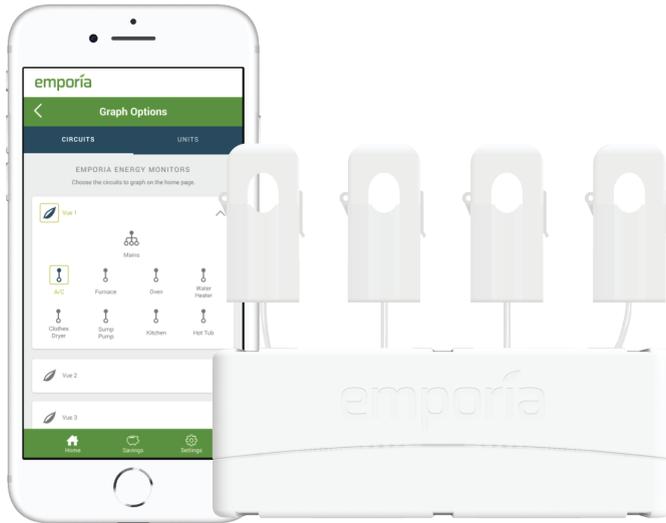
The Emporia Energy app isn't getting real-time data from the Emporia Vue

- Ensure both Current Sensors are securely fastened around the two incoming service mains in your electric panel.
- Ensure the Current Sensors are securely plugged into the energy monitor in ports #1 and #2.

For more troubleshooting tips and answers to other frequently asked questions, please visit us at emporiaenergy.com/support.

Increase your Vue!

Add the Vue Expansion Module to your Vue and monitor up to 8 individual circuits in the breaker panel of your home. You'll be able to see how much energy is being used by important appliances and equipment, like your air conditioner, furnace, water heater, washing machine, clothes dryer, oven, range, dishwasher, fridge, freezer, sump pump, house fan, sub-panel, pool pump, hot tub, electric vehicle, and more!



The Vue Expansion Module
available now at shop.emporiaenergy.com

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 support@emporiaenergy.com
 1-844-EMPORIA (367-6742)

Technical details

Energy Monitor

Power supply output: 5-12 V
Power usage: < 3 Watts
Wi-Fi: 2.4 GHz 802.11b/g/n

Current Sensors

Operating conditions: 14° -122° F (-10° - 50° C), 0-80% RH
Max current: 200A
Cable length: 1.5 m
Inside diameter: 24 mm



The Emporia Vue Universal Connect contains FCC ID: 2AC7Z-ESP32WROVER
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.