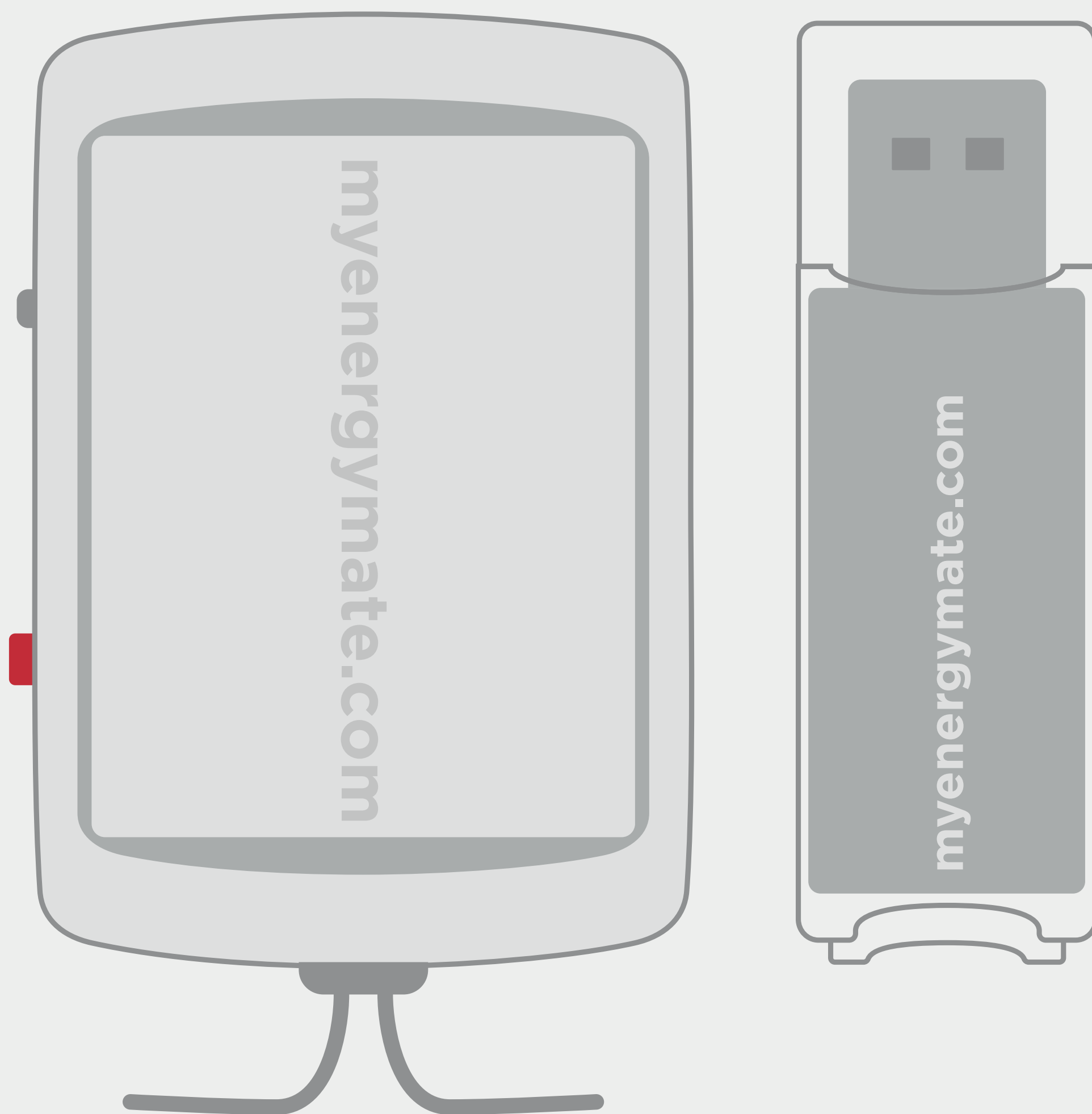# energymate

Energy Monitor with Gateway
for the cloud connection

INSTALLATION GUIDE

WARNING!

The EnergyMate requires installing sensors inside your home's electrical panel and working around dangerous voltage that could lead to injury or death. Installation must 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 EnergyMate 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.
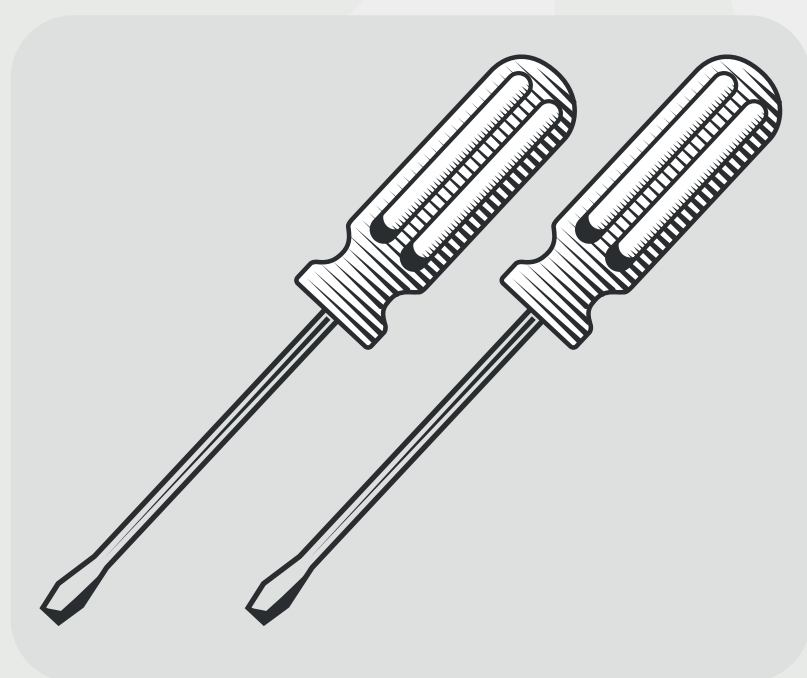
SAFETY INFORMATION

Personal protective gear should be worn when installing the EnergyMate.

Do not use the EnergyMate in any manner other than specified in this installation guide.

Do not attempt to open, disassemble, or repair any of the components of the EnergyMate.

If you believe any of the EnergyMate components may have been damaged, do not attempt to use them.

Do not install the EnergyMate in environments with explosive gas or vapors; nor in damp or wet environments; nor in direct sunlight; not where temperatures are consistently below 14 F (-10 C) or above 122 F (50 Celsius).

BEFORE YOU STARTED

The EnergyMate will be installed in your home's electrical panel. You'll turn off the main breaker, which will turn off all the power in your home.
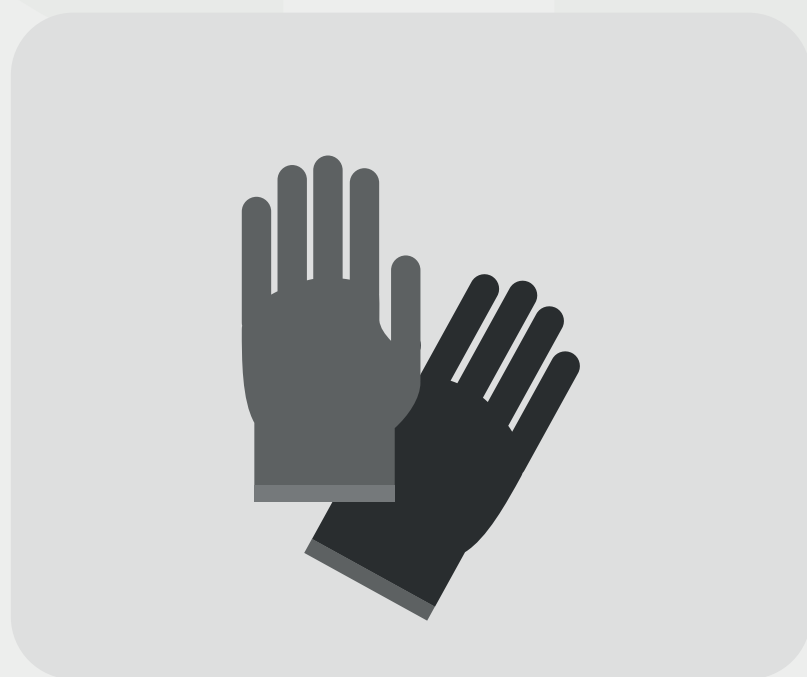
However, the service mains will remain dangerously energized. Gather the following items for safe installation. It's also helpful to perform the installation with another person around.
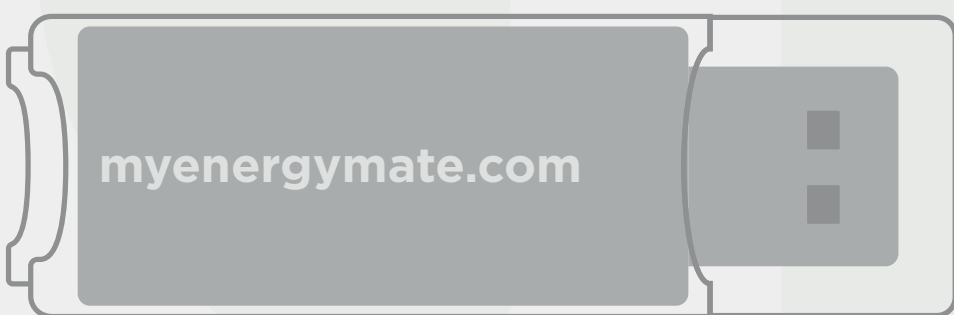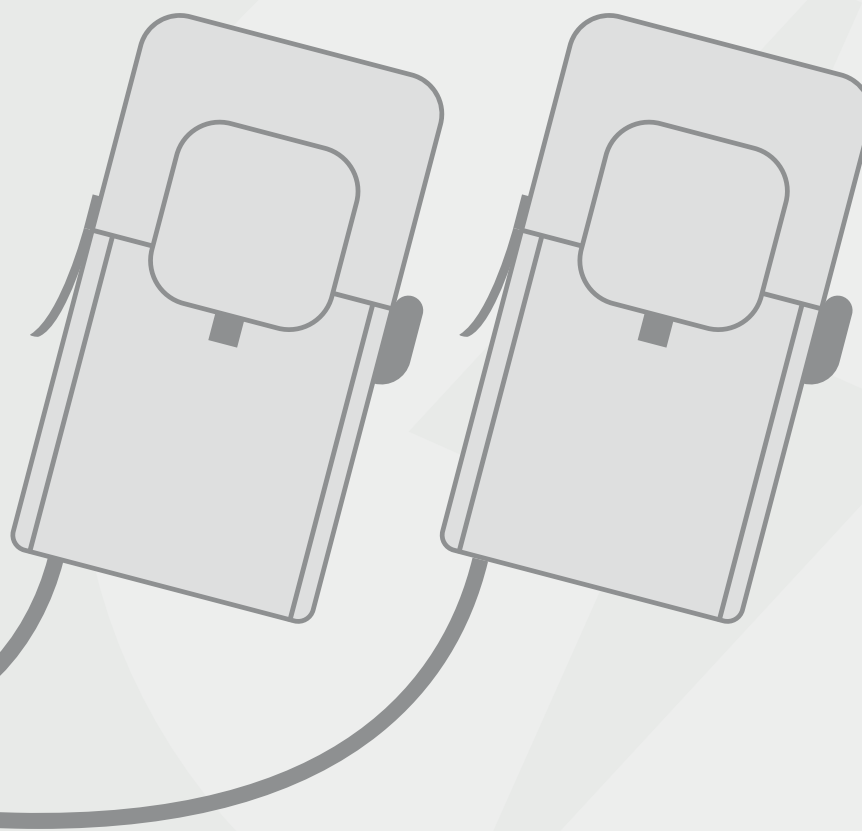
SCREWDRIVERS

PROTECTIVE EYEWEAR

PROTECTIVE GLOVES

ALTERNATIVE LIGHT SOURCE

WHAT'S IN THE BOX

Your new EnergyMete contains the following items.
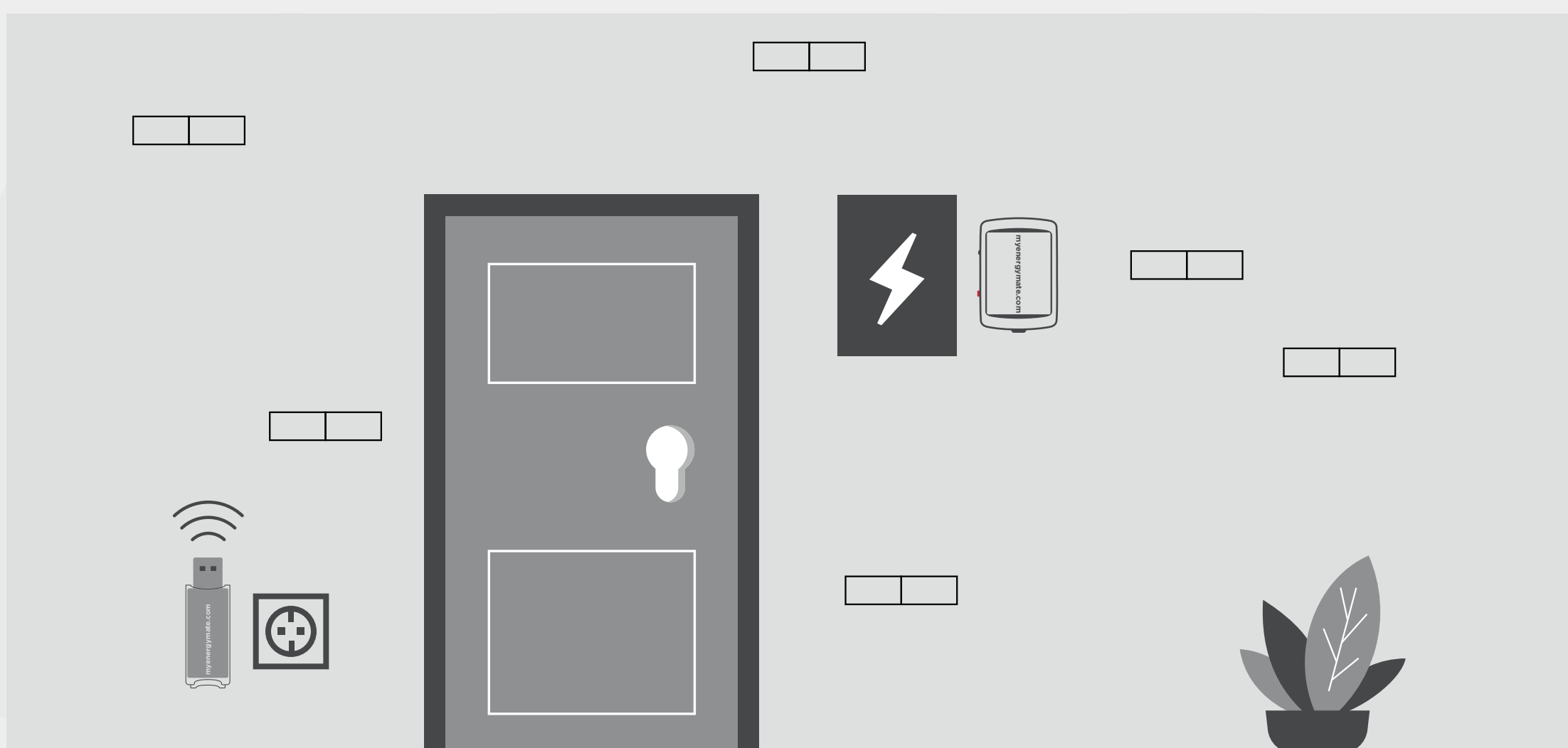
This device to be installed in the main breaker.

This USB powered device to be installed in any compatible power source nearby the main breaker.

Charger can be used to power Gateway.

HOW IT WORKS

Monitor and Gateway typical installation inside the home.

Monitor sits inside the main breaker and monitors electricity usage. All the data is stored in device memory.

Gateway is plugged in the nearby power source and acts as gateway between Monitor and Cloud data storage. It connects to the EnergyMeter via Bluetooth Low Power (aka BLE) interface and transmits data to the cloud via WiFi 2.4 Ghz network.

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STEP 1 : GET THE APP

Check your WiFi signal next to the electrical panel in your home. Download the EnergyMate app onto your phone or tablet from **myenergymate.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 EnergyMate.

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Download on the App Store

ANDROID APP ON Google play

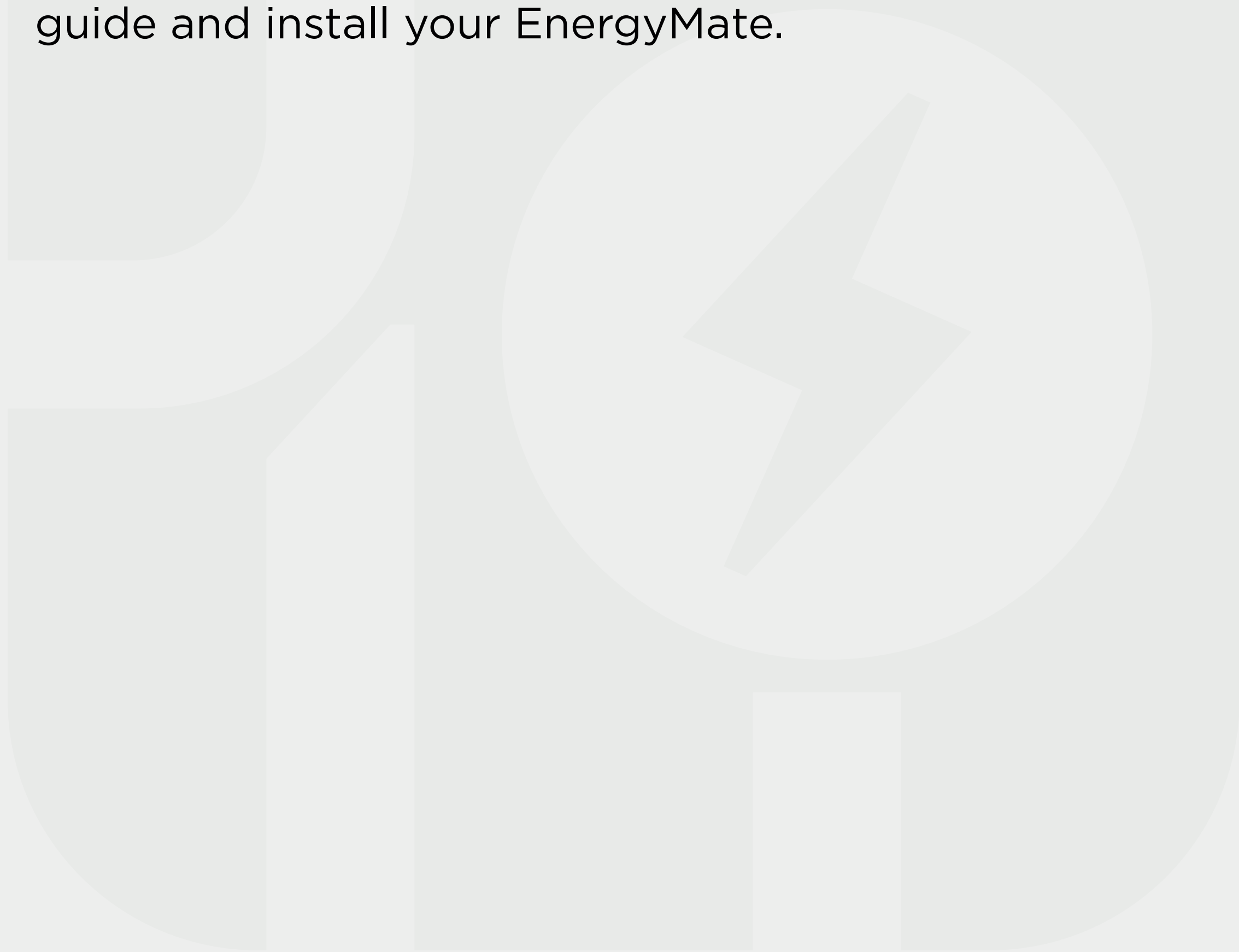**myenergymate.com/app**

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STEP 2 : INSTALL THE GATEWAY

Check your WiFi signal next to the electrical panel in your home. Download the EnergyMate app onto your phone or tablet from **myenergymate.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 EnergyMate.

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STEP 3 : CONFIGURE THE GATEWAY FROM THE MOBILE APP

Check your WiFi signal next to the electrical panel in your home. Download the EnergyMate app onto your phone or tablet from **myenergymate.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 EnergyMate.
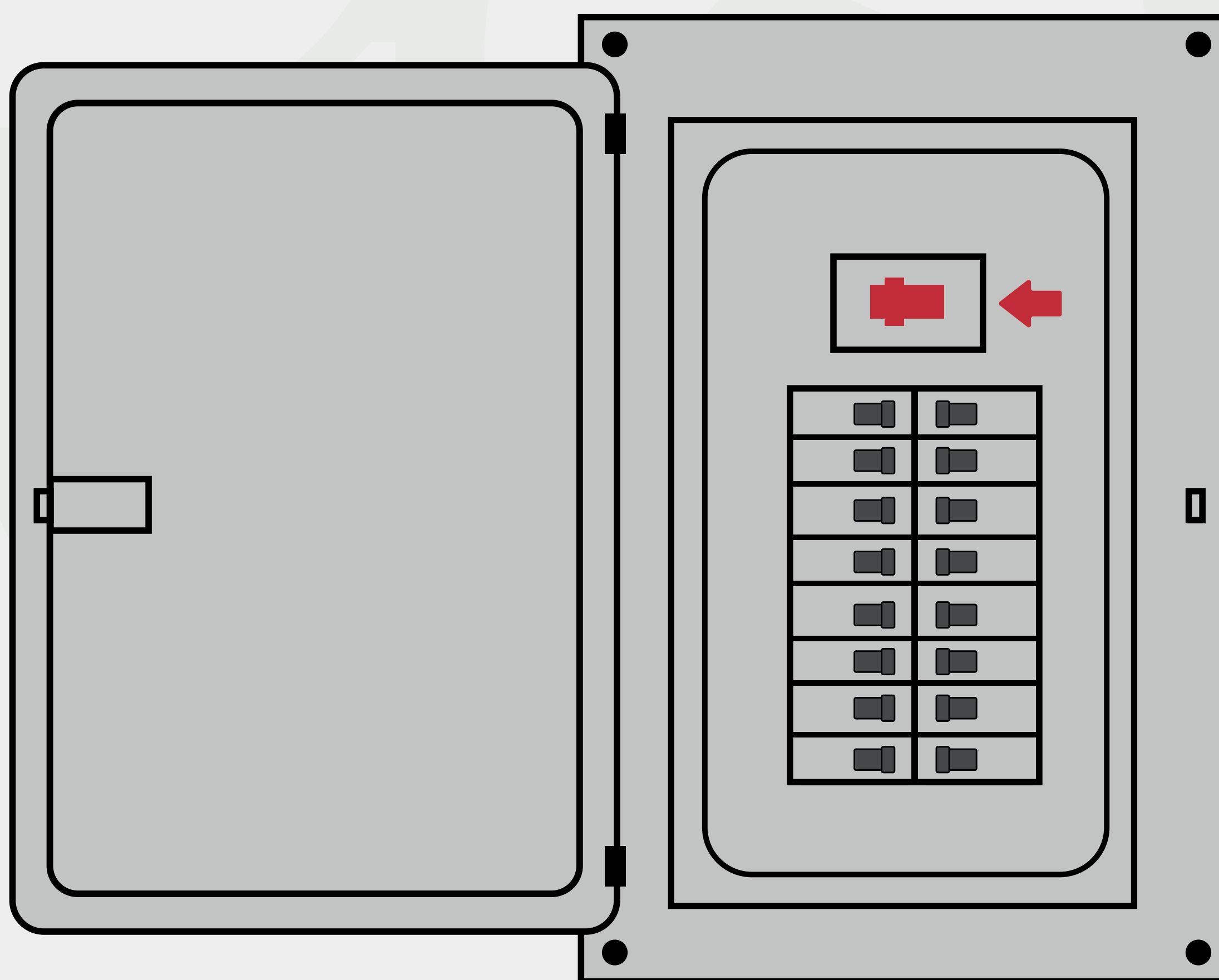
STEP 4 : REGISTER THE MONITOR WITH YOUR GATEWAY IN THE MOBILE APP

Check your WiFi signal next to the electrical panel in your home. Download the EnergyMate app onto your phone or tablet from **myenergymate.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 EnergyMate.
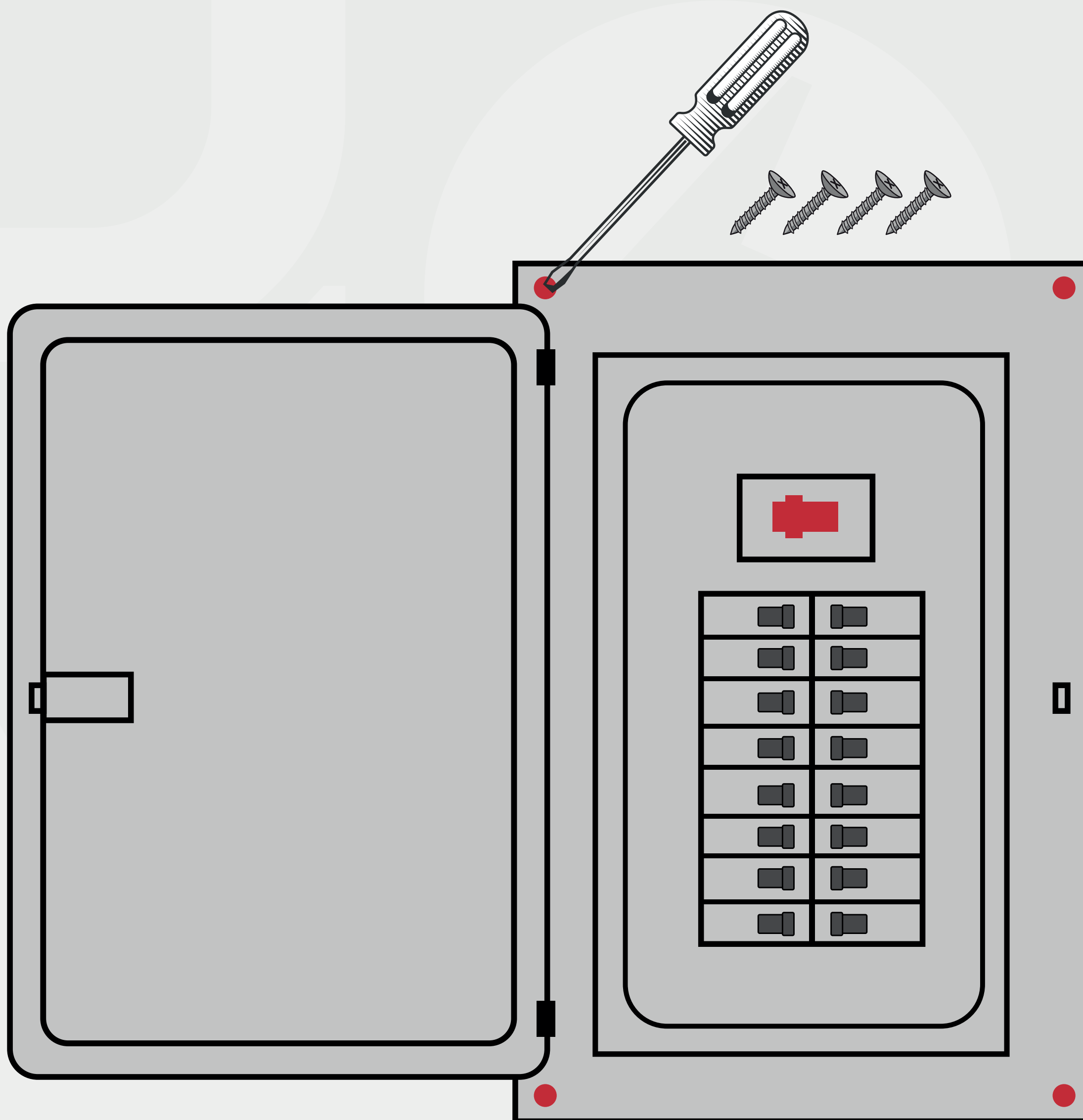
STEP 5 : TURN OFF THE MAIN BREAKER

Open your electrical panel and turn off the main breaker (this breaker may be elsewhere in your house and you may not even have one). This turns off the circuits in your home to protect you during installation. *However, beware that the service mains will remain live with this breaker off!*
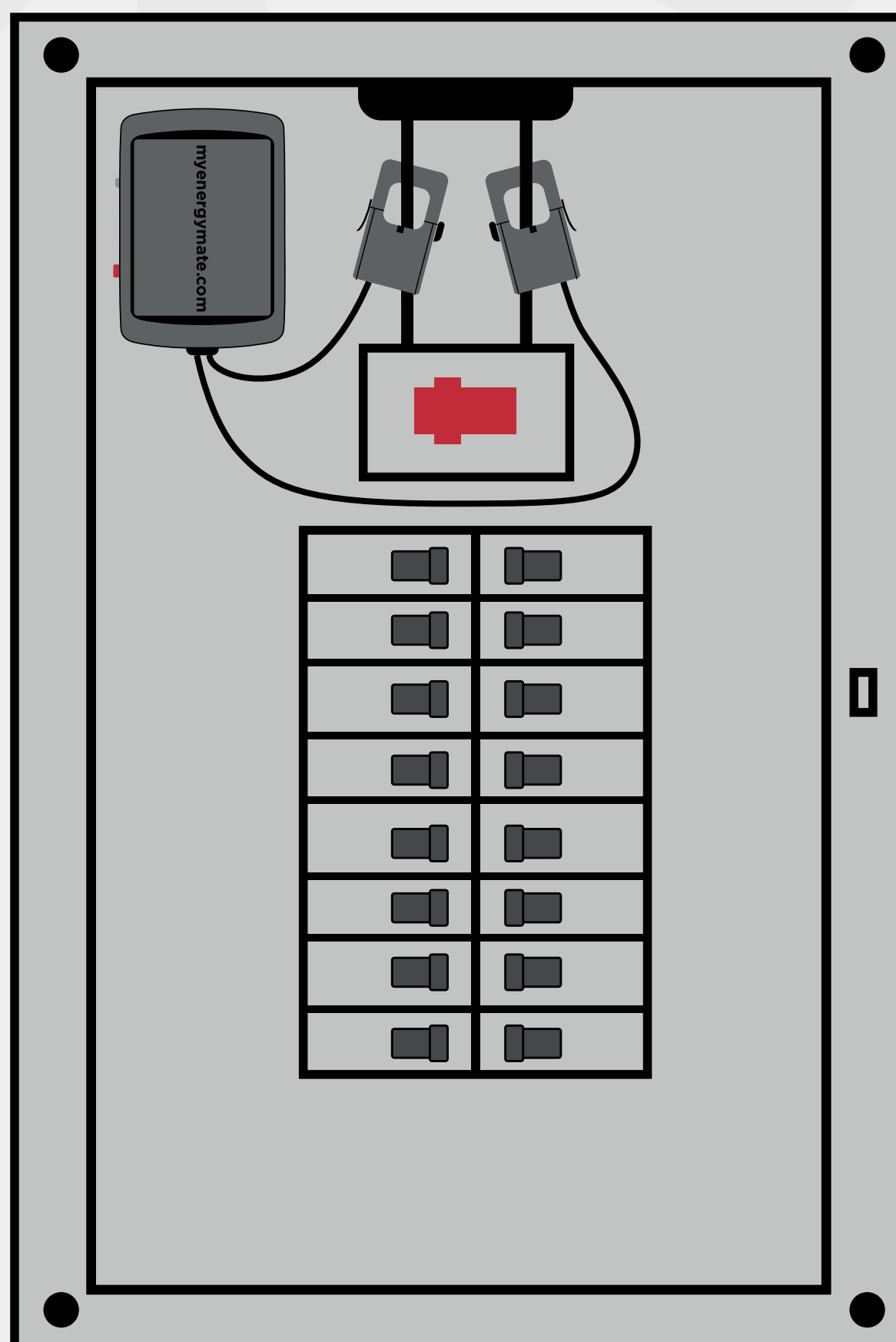
STEP 6 : TAKE OFF THE COVER

Remove any screws holding the cover to the panel and take off the cover to access the circuit breakers *and the live service mains!*

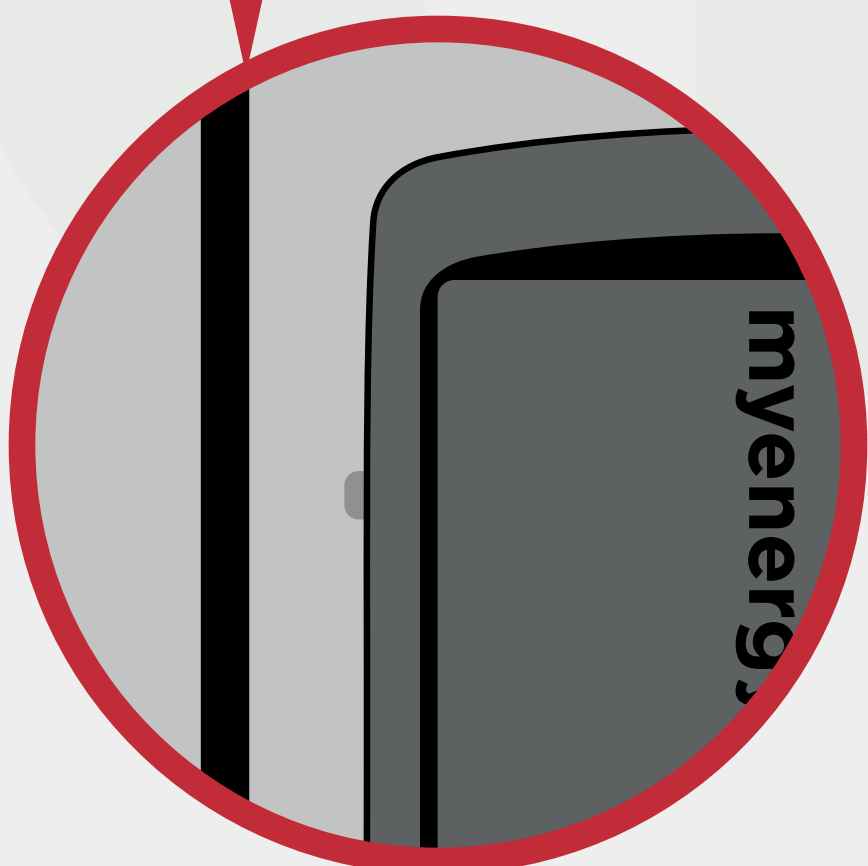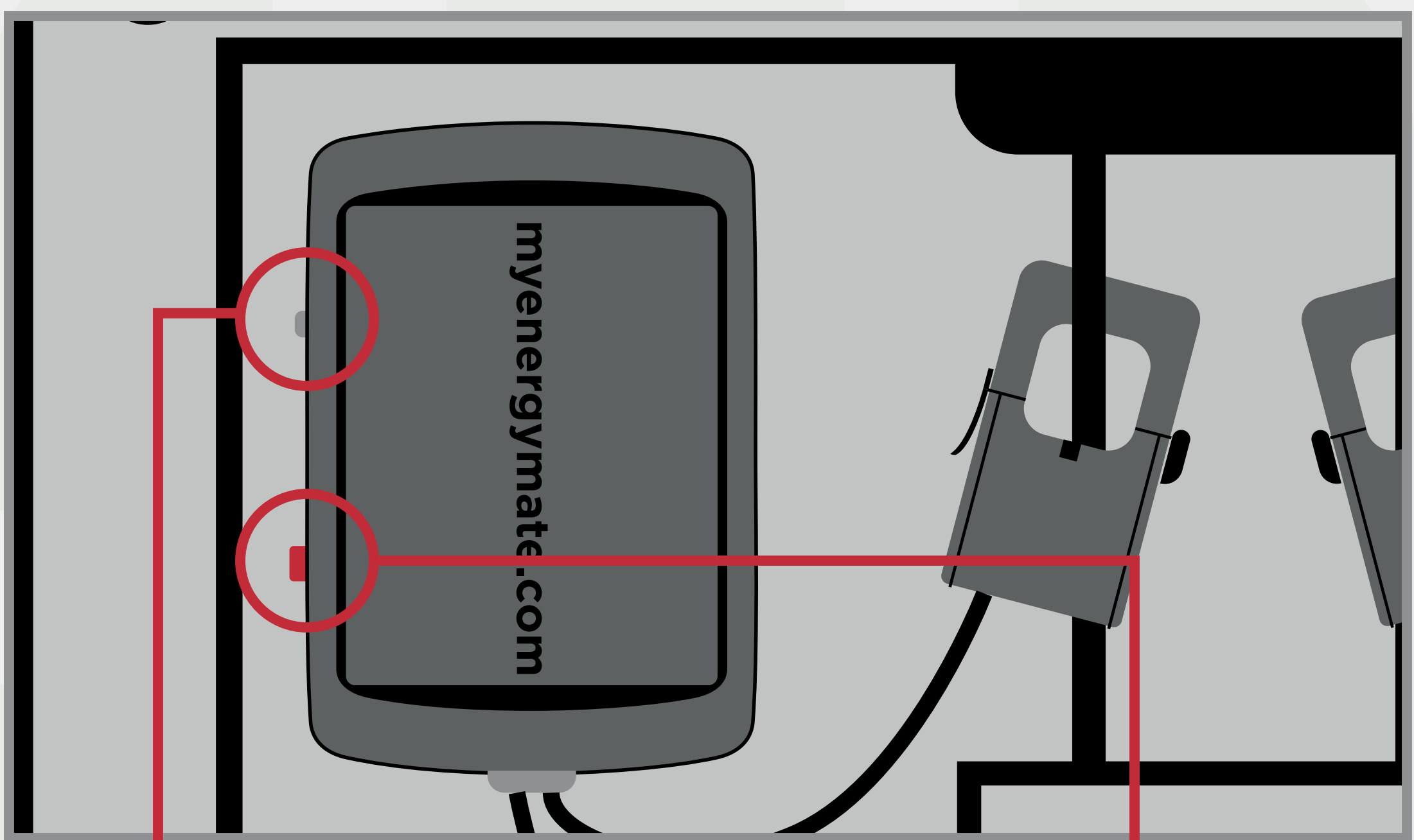# STEP 7 : FIND A PLACE FOR THE MONITOR AND CONNECT SENSORS TO THE MAINS

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

Open the clasps on the sensors and place each sensor clamp around one of the main service cables. Then shut the claps to secure the sensors.
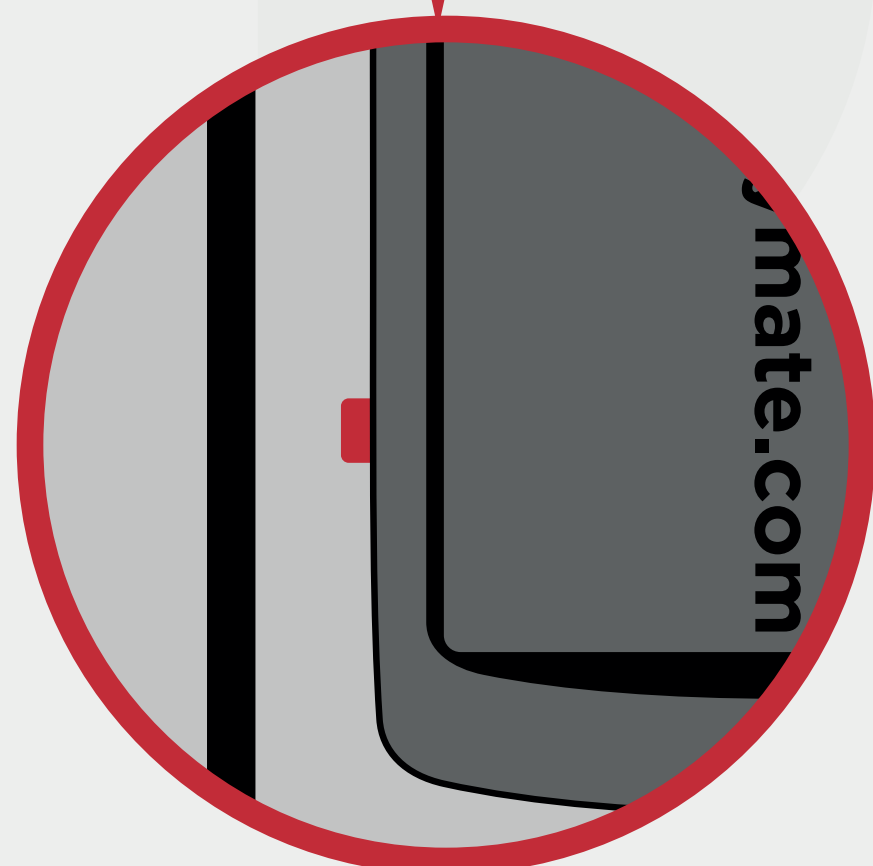
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STEP 8 : **TURN ON THE MONITOR**

Turn on the monitor by pressing the red button on it. Within the next 10 seconds you should see led on monitor flashes.
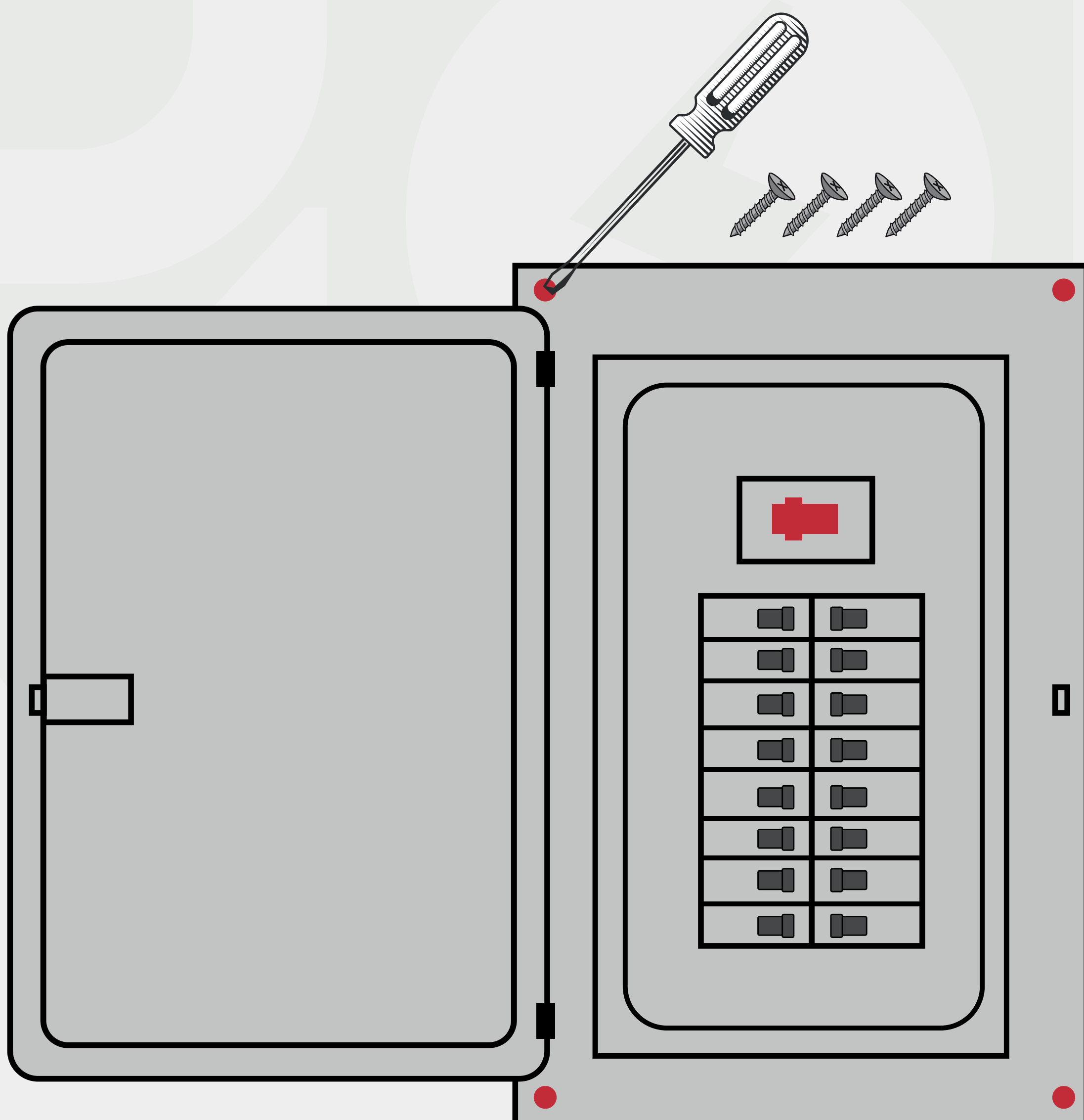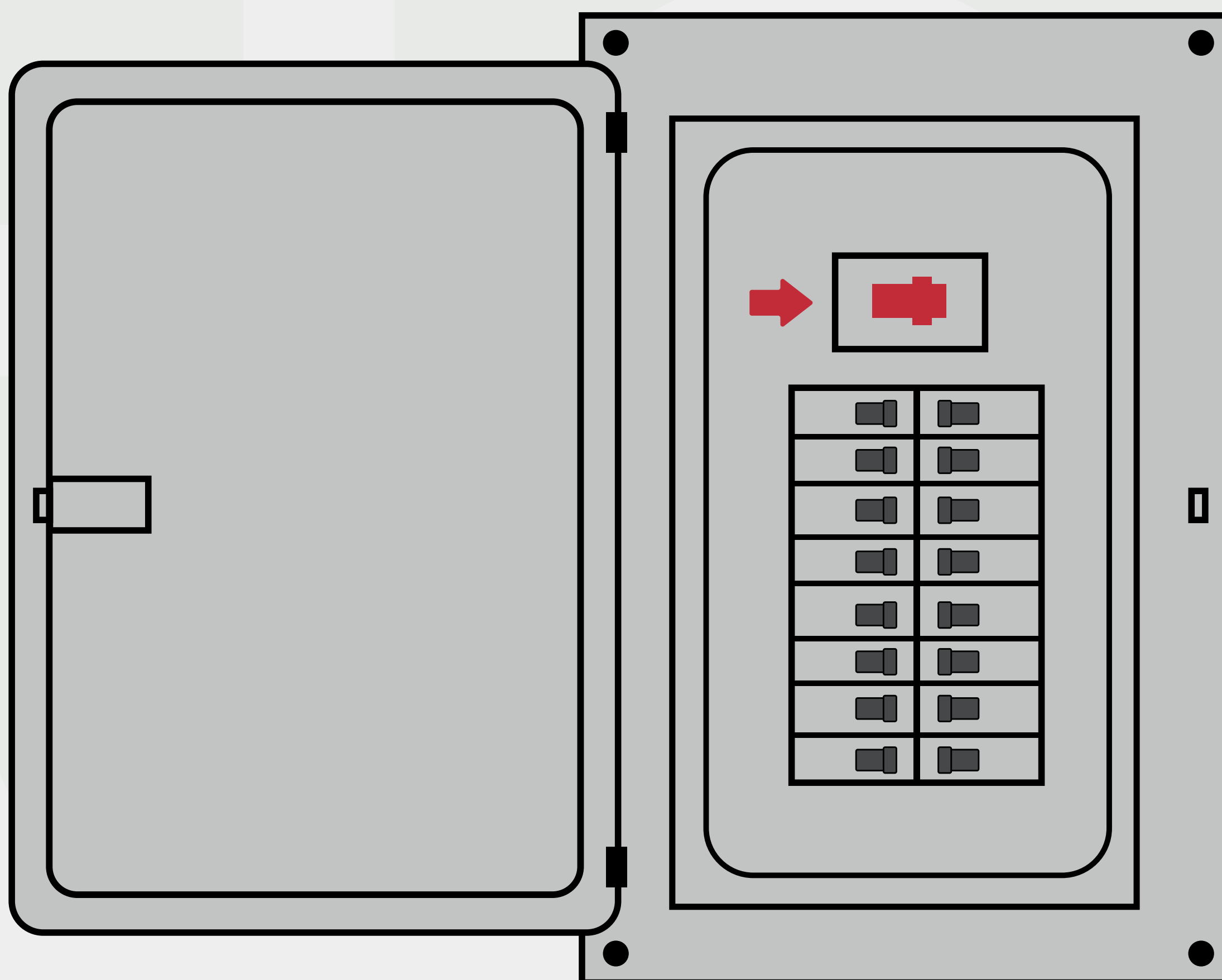
LED

RED BUTTON

STEP 9 : REPLACE THE COVER

Place the cover back over the electrical panel and replace any screws you removed to secure the cover to the box.

STEP 10 : **TURN ON ALL BREAKERS**

Flip the electrical panel's main breaker and any other breaker that you turned off during installation to restore power to the circuits in your home. Then close the panel.

STEP 11 : COMPLETE SETUP WITH THE APP

Flip the electrical panel's main breaker and any other breaker that you turned off during installation to restore power to the circuits in your home. Then close the panel.

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TECHNICAL DETAILS

Energy Monitor
Operating conditions : 14-122 F (-10 - 50 C). 0-80RH
Max current : 200 A
Cable length : 30 cm

Gateway
Wi-Fi : 2.4 GHz 802.11b/g/n
Power : standard USB

Power source (optional)
Output socket type: standard USB
Power supply output : 5V, 1 A