



Smart Thermostat LITE

Installation Guide

1. Safety Precautions

To ensure your safety and avoid damage to the device please read the safety precautions.

Look out for these icons. They indicate useful tips and important reminders.



WARNING

This symbol indicates the possibility of personnel injury or loss of life.



TIPS

Are used to highlight suggestions which will result in enhanced installation, reliability, or operation.



REMINDERS

Are prompts to take certain precautions or follow specific steps during the installation process.



WARNING

- Please trust the distributor or a professional installer to install the device.
- Installation by non-professionals may result in improper installation, electric shock, or fire.
- Adhere to this installation manual.
- Improper installation may lead to electric shock or fire.
- Reinstallation or changes must be performed by professionals.
- Do not uninstall or make changes to the device randomly. Random changes may lead to abnormal operation, heating, or fire of the HVAC system, and cause damage to the smart thermostat.



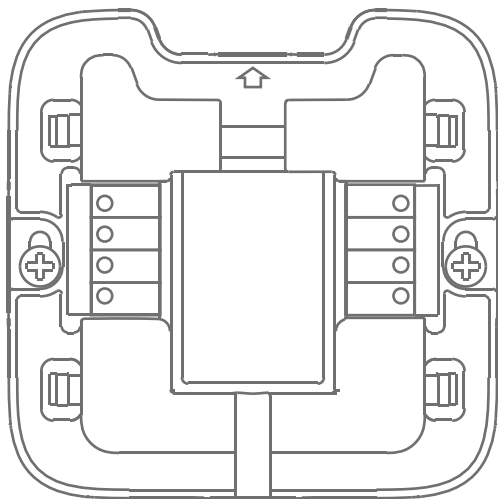
REMINDERS

- Do not install the device in a place vulnerable to leakage of flammable gases. Once flammable gases are leaked and left around the smart thermostat, fire may occur.
- Do not operate the device with wet hands. The presence of liquids may cause electric shock or damage the device.
- The wiring should be rated for the thermostat current and ensure that the power supply for the smart thermostat is securely isolated when connected to a non-communicating HVAC system.
- Ensure the connected cables meet CL2 requirements and meet National and local electrical standards. Otherwise, electric leakage or heating may occur.
- Do not alter the terminals of this device.
- Before drilling through the wall, ensure that there are no electrical wires, water pipes, or gas pipes inside the wall.
- Please install the power supply unit according to the instructions in this manual. Do not alter the power supply unit or use non-specified power supply products.
- During installation and use of the thermostat, please prevent liquid (water, alcohol, etc.) from entering the device.
- Always disconnect the device from the power source before installation or maintenance to avoid equipment damage or potential electrical shock.

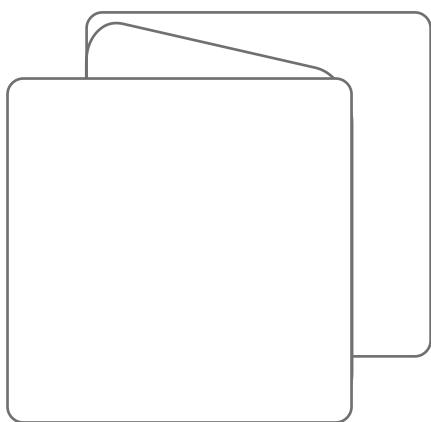
2. Included In The Box:



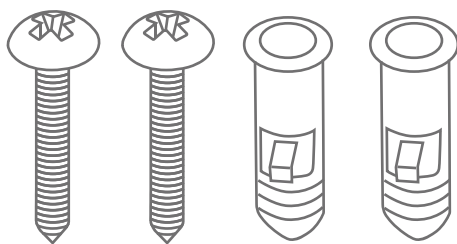
Smart Thermostat



M-base

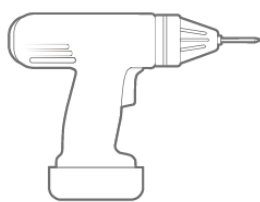


User Manual



2 Screws & 2 Anchors

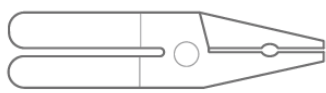
3. Tools You Will Need:



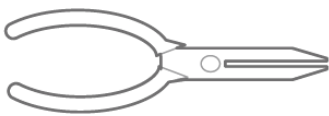
Drill and 3/16 in.
Drill Bit



Pencil



Wire Stripper



Needle-Nose
Pliers



Flathead
Screwdriver



Phillips
Screwdriver



Wireless
Info



If you do not need to remove the old thermostat, you won't need a small flathead screwdriver and a phillips screwdriver.

4. Select the installation location

- Do not install the device in a place vulnerable to leakage of flammable gases. Fire may occur once flammable gases are leaked and left around the thermostat.
- Do not install in a place where heavy oil, vapor, corrosive or sulfurated gasses are present. The device could be damaged leading to system malfunction.
- Do not install on an exterior wall.
- Install the thermostat on a flat wall. An uneven wall may lead to an unstable installation.
- Do not install near any heat-producing equipment. This may cause inaccurate temperature control.

5. Product Installation

5.1 Power off your system

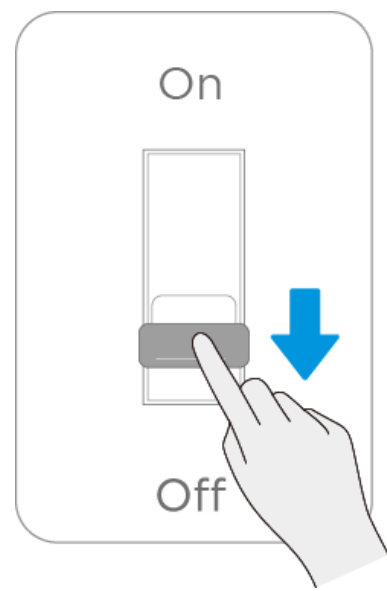
Power off your AHU(Air-Handle Unit) by using the breaker box or master switch.

Check that your system is off by turning on the heat during winter or the AC during summer. Wait a few minute, you should not feel any air coming from your vents.



Breaker Box

OR



Master Switch



The thermostat off switch will not turn off the power to the AHU system.



Your breaker box or master switch is usually located in the basement, attic, or closet.

5.2 Go to AHU indoor side

Take the AHU manual, smartphone and Drill Bit to the Indoor Unit of AHU system.

- If it's a new installed thermostat and AHU:

Remove the Indoor Unit's cover, locate the display board and check the HA and HB terminal on the board.

Connect the HA and HB wires to the display board, take a picture of the wires, you may refer to this picture during the installation.

- If there's a thermostat installed already:

Remove the Indoor Unit's cover, take a picture of the wires.

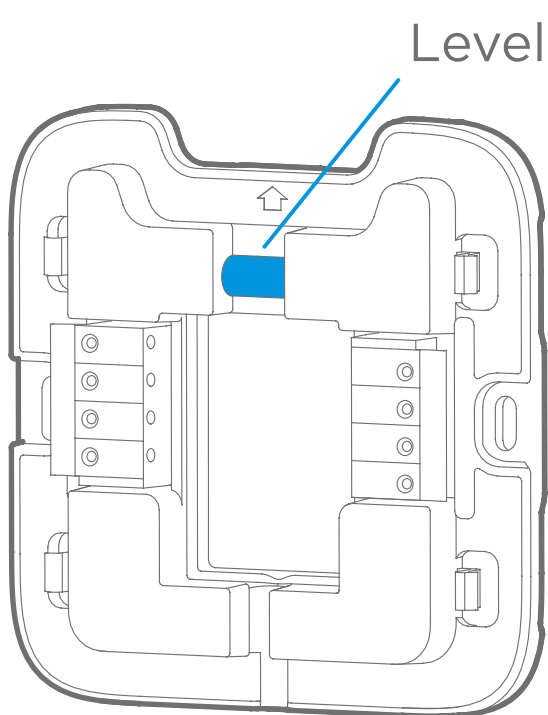
Close the cover to the AHU system and return to your thermostat.



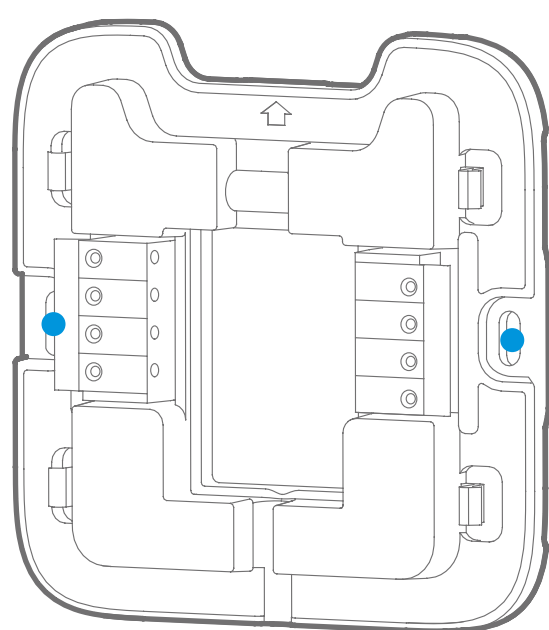
If the connected AHU was manufactured before 2023 or is a PTAC PTHP, it's recommended to connect the R and C terminals to obtain addition power supply. For more information, please contact professional installers.

5.3 Installation location

Use the M-base to locate the position where you want to place the thermostat.



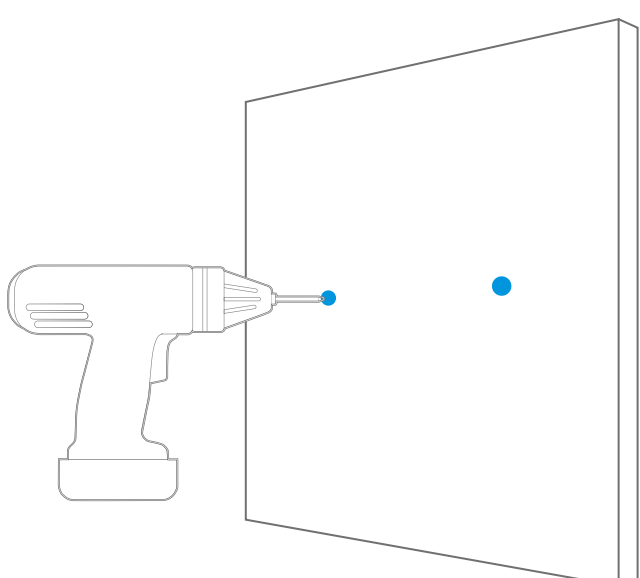
Place the M-base on the wall and use the included level to correctly position the thermostat.



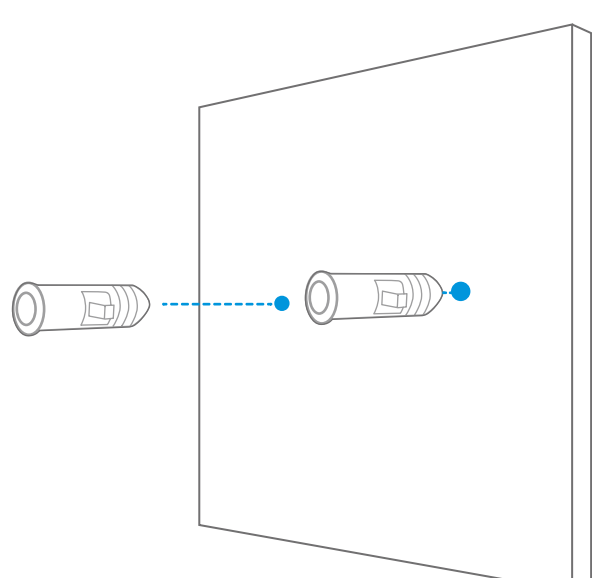
Mark the screw hole position with a pencil, then remove the M-base.



Refer to the 'Select the installation location' section for the best location.



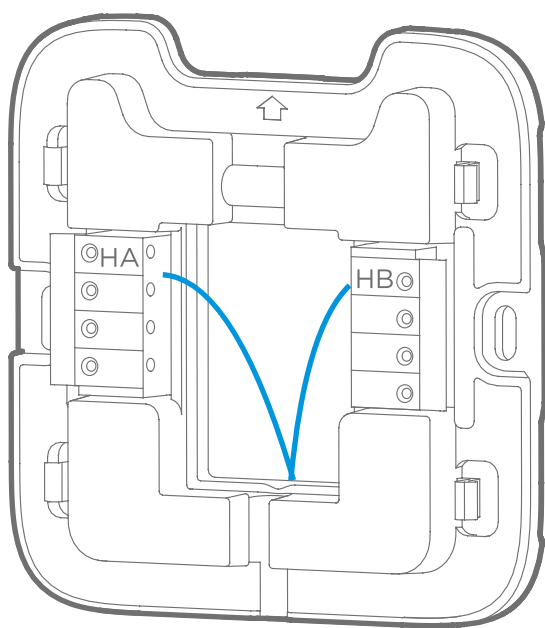
It is recommended to use a 3/16 in. drill bit to drill the holes.



Insert anchors.

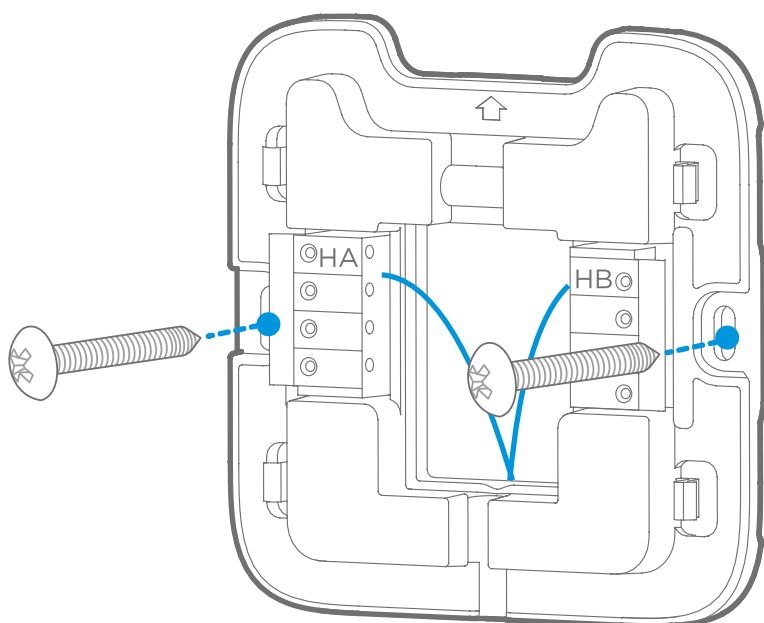
5.4 Connect wires HA & HB

Pull the HA and HB wires through the center hole of the M-base.

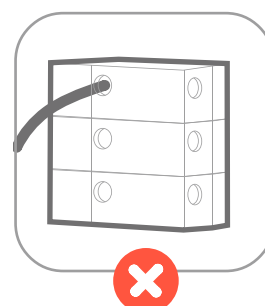
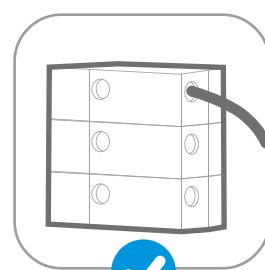
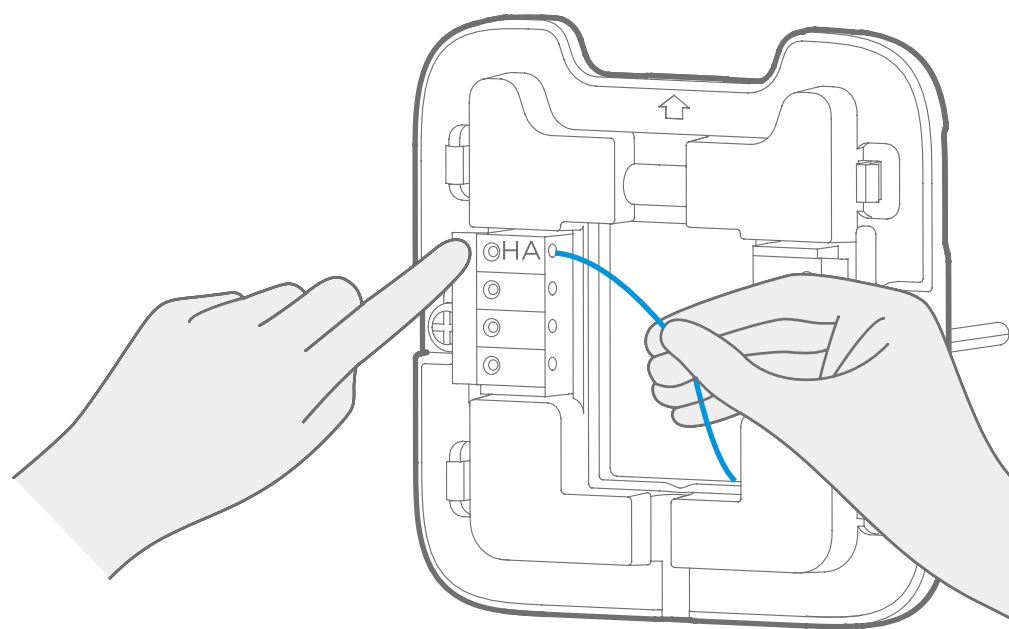


To easily insert wires into the terminals, please ensure each wire is stripped to a length of 0.3 ~ 0.4 inches. The terminals are for a wider range of conductor sizes: AWG 18-24.

Level the M-base and then attach it to the wall using the drywall anchors and screws provided.



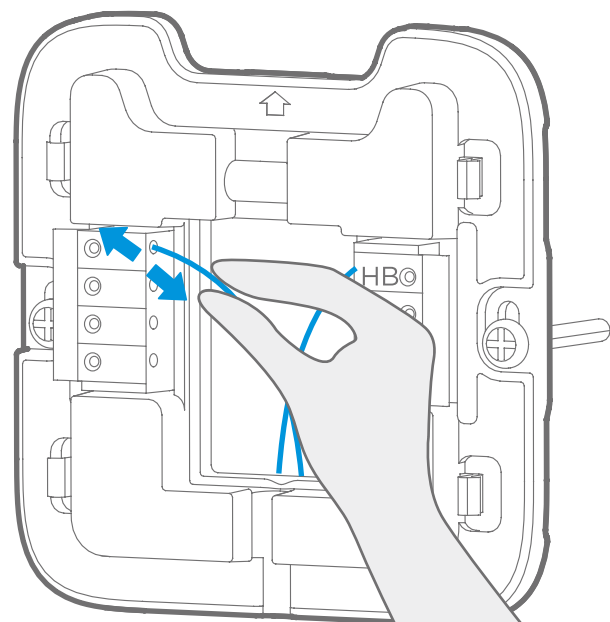
Try pushing the terminal block levers with pencil or use needle nose pliers to insert the wires.



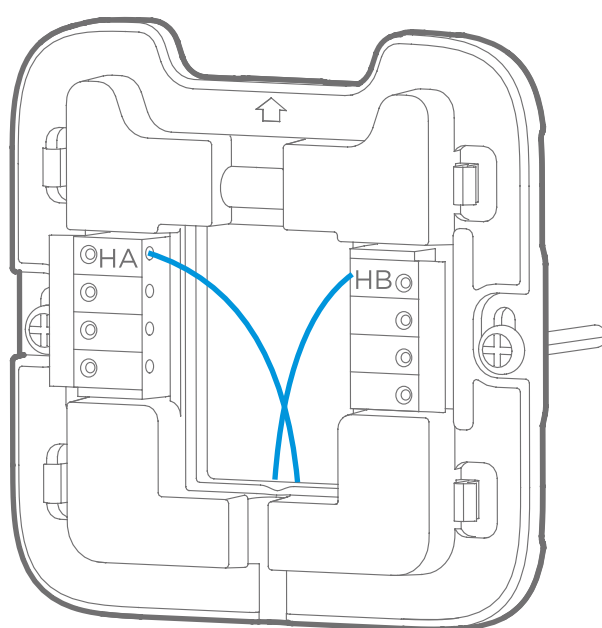
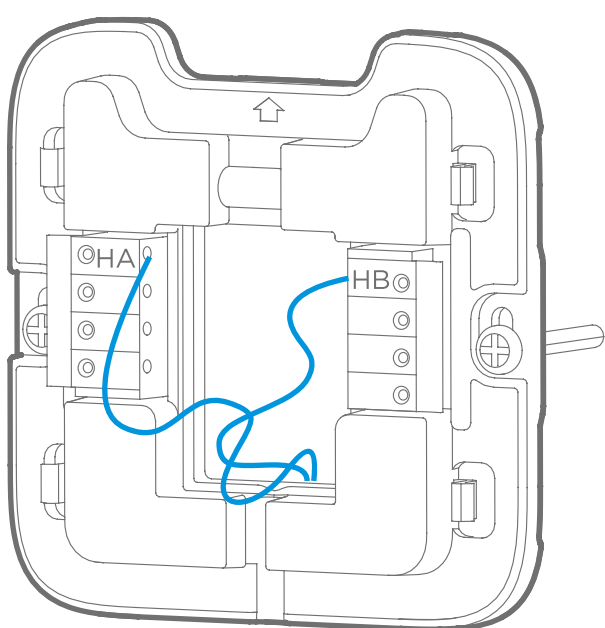
The terminal block levers will be pushed downwards when the wire is connected.

5.5 Check wires

Gently tug on the wires to ensure they are securely connected.

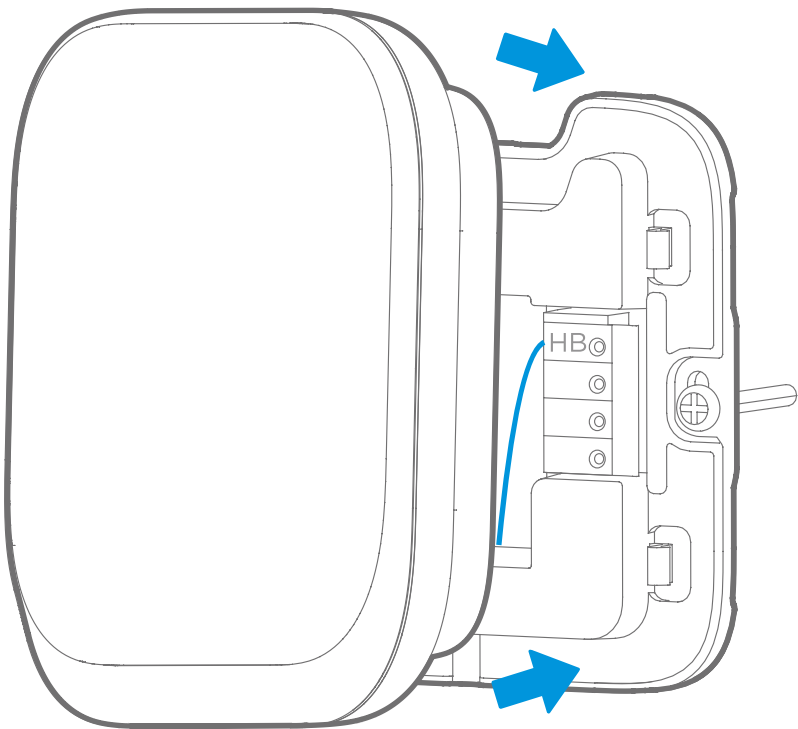


After all wires are securely connected, push any excess wires back into the hole and ensure there are no wires left outside.

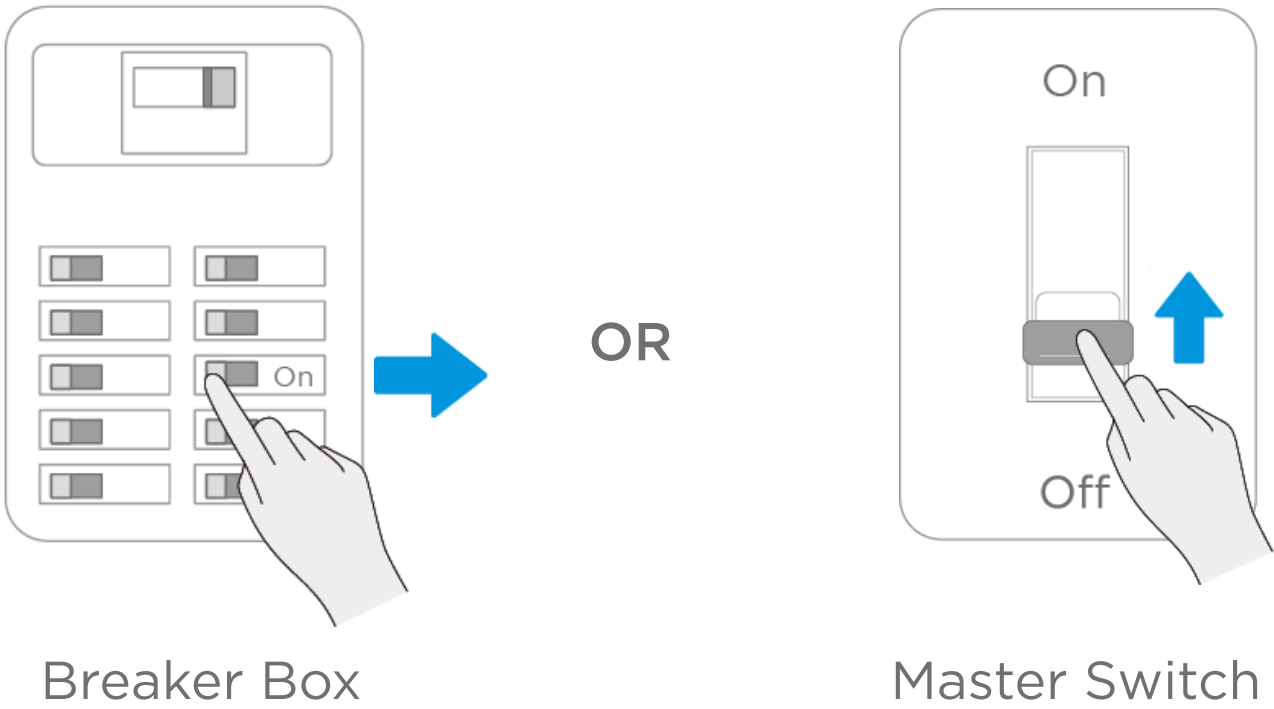


5.6 Finish the Installation

Press the thermostat into the M-base until it "clicks" into place. Check that the thermostat is fully pressed.



Turn on the power to your system by using the master switch or breaker box.



If the thermostat doesn't automatically turn on or suddenly shuts down after truning on the power, it may due to insuffcient power supply from the indoor unit. It's recommended to connect the R and C terminals of the thermostat with the R and C terminals of the indoor unit to obtain additional power. For more information, please contact your sales representative.

Say Hi to your Smart Thermostat! Enjoy!

