Mesa Installation Instructions

VIDEO GUIDE & DASHBOARD
sidewalklabs.com/install

The approximate location of all devices is specified in the floorplans.
Please notify us if you deviate from the floorplans (during install, or later).

PLUG INTO ELECTRICITY OUTLETS

1. Cloud Connector

Sends sensor data to the cloud

Insert one end of the ethernet cable into the Cloud Connector and the other into the power adapter's port labeled "OUT." Plug in a place with good cell reception and within 75 feet of where you'll place the temperature, humidity, and proximity sensors. Use the mounting bracket or adhesives to secure to the wall.

That's it! Check the display for data connection (white cloud icon) and its strength (up to four dots).

1.1. Wi-Fi Router

Provides secure data connectivity for Mesa devices.

Unfold its three antennas. Plug in a place with good cell reception and within 60 feet of the thermostat. Use the mounting bracket or adhesives to secure to the wall.

That's it! The LED indicators show power ⏻, Wi-Fi, and cell signal 📶.

2. Smart Plugs

Measure electric usage and turn devices on/off

Plug into an outlet where you'd like to measure electric usage and be able to turn devices on/off (e.g. space heaters or monitors).

That's it! The solid blue light means a connection is established. If not on, press the button on the right.

ADHERE TO THE WALL

For all sensors: remove protective film before sticking. Use your dashboard to confirm you're seeing the data after 15 minutes. (https://mesadashboard.sidewalklabs.com).

3. Temperature and Humidity Sensors

Measure ambient temperatures and humidities

Stick on room-temperature spots between 4 and 6 feet off the ground. Avoid metal surfaces. **That's it!**

4. Window/Door Proximity Sensors

Detect open windows and doors

Open a window or door and stick a sensor to any part of the door/window frame where the sensor will be visible when opened, but not visible when closed. If dusty, use the included alcohol wipes to clean the frame, then let the surface dry. Avoid metal surfaces. **That's it!**

5. Comfort Buttons

Allow people to give real-time feedback

Place where people can see and easily reach. **That's it!**

REPLACE EXISTING 24 VAC THERMOSTAT

6. Thermostat

Controls temperature and measures temperature, humidity, and occupancy

Ensure that the old thermostat is working properly. ⚠️ Use the circuit breaker box to power off Heating, Ventilation, and Air Conditioning (HVAC) systems.

Remove the old thermostat cover. 🔴 STOP if you see warning indicators about "HIGH VOLTAGE," 110 VAC, 120 VAC, 240 VAC, or L1 L2 markings. Check to ensure you have a C wire connected to the old thermostat. If not, contact support.

Take a picture of the existing wiring. One at a time, disconnect and label the wires from your old thermostat using the labels provided. Remove the old thermostat back plate, and place the new one (pull wires through, and mount using screws or adhesive). Insert your R wires. If you have more than one R wire: R or RC → RC and RH → RH. If not, insert single wire: R, RC, or RH → RC. Insert your remaining wires into the side (not the front) of their corresponding terminal blocks. Push excess wire back into the wall so that the thermostat will easily snap into place. Gently press your smart thermostat into the backplate until it clicks into place. Turn your HVAC systems on.

That's it! Use the thermostat screen to check that it's connected to your Wi-Fi by pressing MAIN MENU (three lines at the bottom of the screen) > SETTINGS > Wi-Fi. It should say "Connected to <network name>."

PLACE IN OCCUPIED SPACES

7. Motion Sensors

Detect movement

Place the sensors on surfaces, like a desk (using the cone stands) or stick them to the wall (with the adhesive) about five feet off the ground. They should have an unobstructed wide view of the area. Avoid hot/cold surfaces.

That's it! On the thermostat, go to MAIN MENU > SENSORS on the thermostat to check that the motion sensor icon (▣) is there. If not there, wait five minutes and try again.