

GUIDE

Installing Outdoor Sensor



INSTRUCTIONAL GUIDE

This guide and content is for informational purposes only. Please read and follow all manufacturer installation, usage, and safety manuals and instructions.

Copyright © 2023 Delos Living LLC. All rights reserved.

General Installation Guidelines:

- **Location:** The sensor should be installed in a location that is free of obstructions and has good airflow. It should be at least 3 feet away from windows, exhaust or other vents, garbage bins, incinerators, and other sources of pollution.
- **Height:** The sensor should be installed at least 6 feet above ground. This will help to ensure that the readings are accurate and not affected by ground-level pollutants.
- **Mounting:** The sensor should be mounted securely to a wall or post. It should be level and facing in a direction that will allow for free air flow.
- **Power:** The sensor will require power to operate. This can be provided by connecting the power supply to an electrical outlet.

By following these requirements, you can ensure that your outdoor sensor is installed correctly to provide accurate readings.

Here are some additional tips for installing an outdoor sensor:

- Choose a location that is sheltered from the elements. The sensor should be protected from rain, snow, and direct sunlight.
- Be aware of WiFi range. Some WiFi routers have a limited range, so you will need to make sure that the sensor is within range of the WiFi broadcast.

Step 1:

- Find an outdoor installation location that has a nearby power source. Be sure to refer to the General Installation Guidelines above for best practices in finding an appropriate location for the sensor. Mark drill areas or use the supplied drill assist sticker (optional).



Image 0.1 Drilling installation area



Image 0.2 Drill assist stickers

- a. Drill the holes into the wall or other mounting surface using a power drill and an appropriate drill bit.
- b. Mount the metallic bracket using the enclosed wall anchors and screws, but note that they may not be appropriate for all wall types, so you may have to purchase or use different anchors and/or screws. **For example, if you are installing your outdoor sensor on a masonry or concrete wall, use concrete screws, or if you are installing on a metal surface, use self-tapping screws.**



Image 0.3 Pre-drill holes with drill bit



Image 0.4 Final bracket install

Step 2:

- a. Slide the backplate over the bracket, making sure that the bracket is properly inserted into the correct slots on the backplate. You may hear a “click” sound when this happens.



Image 0.5 Inserting the backplate (bottom view)



Image 0.6 Inserting the backplate (top View)



Image 0.7 Final install (top view)



Image 0.8 Final install (front view)

Step 3:

- a. Connect the power supply to the sensor. If the power supply is already wired into the green phoenix connector, all you need to do is plug the phoenix connector into the corresponding terminal in the back of the sensor.
- b. If the power supply is not already wired into the green phoenix connector, insert the naked phoenix connector into the sensor. Next, insert the power supply's ground/negative wire (black) into the negative terminal of the phoenix connector—which is the farthest on the right. Next, insert the positive wire (red) into the positive terminal of the phoenix connector—which is the second from the right. Tighten the phoenix connector screws to secure the power supply wires. See example below:

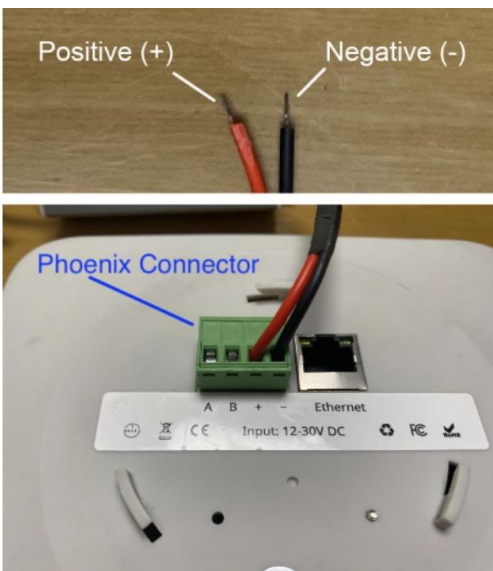


Image 0.9 Phoenix connector terminal



Image 0.10 Attaching power

Step 4:

- a. Remove the sensor cover by gently pulling it off.
- b. Attach the sensor to the backplate by aligning the sensor latches to the backplate slots and slightly rotating the sensor clockwise. Ensure that the power supply is connected to the sensor before you attach it to the backplate.



Image 0.11 Attaching sensor to backplate

Optional:

- a. For extra security, you can secure the device onto the backplate with two screws (supplied).

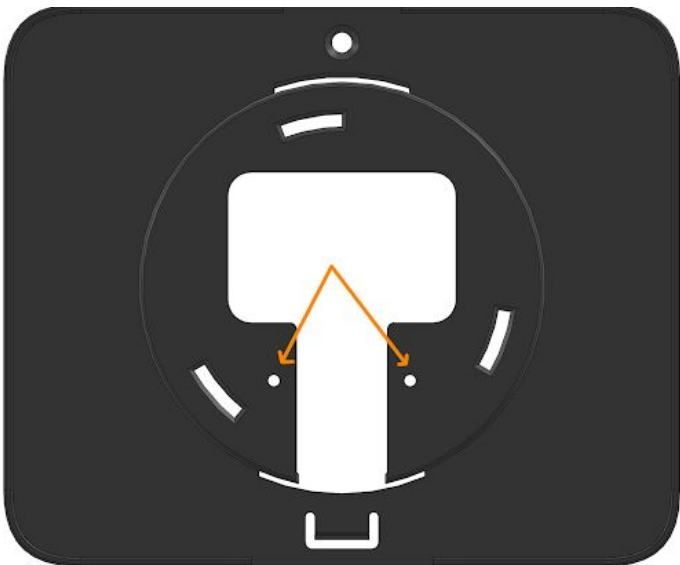


Image 0.12 Backplate front view



Image 0.13 Securing sensor to backplate

Step 5:

- a. Insert the sensor modules into the sensor slots, making sure to align the top left pin connectors from the modules with the pin connectors of the sensor. Either module can be inserted into either slot.



Image 0.14 Inserting the modules



Image 0.15 Installed module

Step 6:

- a. Plug in the sensor's power supply to the wall outlet.
- b. Slide the power button to turn the sensor on. Confirm by the LED indicator that the sensor is powered on.
- c. Reattach the sensor cover. Then proceed to commissioning the sensor as described in the commissioning instructions or commissioning video.

Step 7:

- a. Commission the sensor following the sensor commissioning video (https://drive.google.com/file/d/1BlaN4B97cXkuCfY_ckNDs0Khr6Hy3HaG/view) (LINK to commissioning document).

Step 8:

- a. Confirm that commissioning is successful by checking that you can see data being collected for the sensor on your online dashboard.
- b. Slide the outdoor housing over the sensor. Make sure the device is fully covered by the outdoor housing, with only the bracket visible. Make sure the housing is properly locked into position, as shown in the following images.
- c. Secure the powerblock with screws to ensure the weight does not pull the wires out of the sensor's phoenix connector.



Image 0.16 Inserting the outdoor cover



Image 0.17 Front view



Image 0.18 Complete installation

Additional Questions?
email support@delos.com to learn more



Delos is the trademark or registered trademark of Delos Living LLC in the United States and/or other countries. All other trademarks, service marks, trade names and logos used herein are the property of their respective owners. Copyright © 2023 Delos Living LLC. All rights reserved