

Theme	Pages
Regular installation (<u>ducted</u>)	2 – 5
Through-the-wall installation (<u>ducted</u>)	6 – 8
<u>Ductless</u> installation	9
Power & control	10 – 12

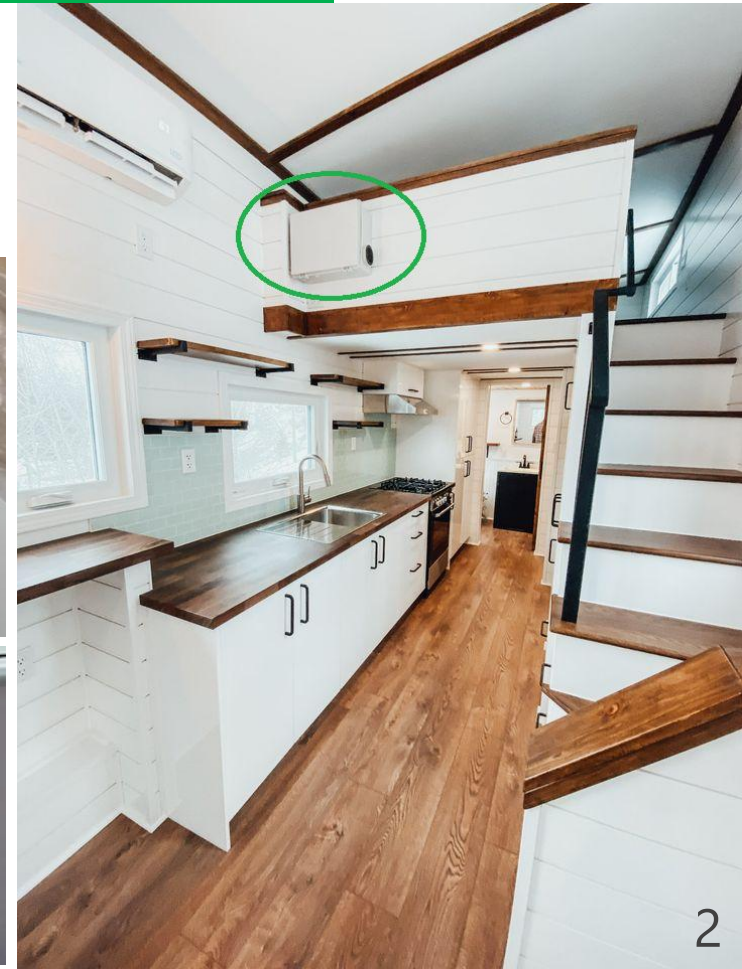
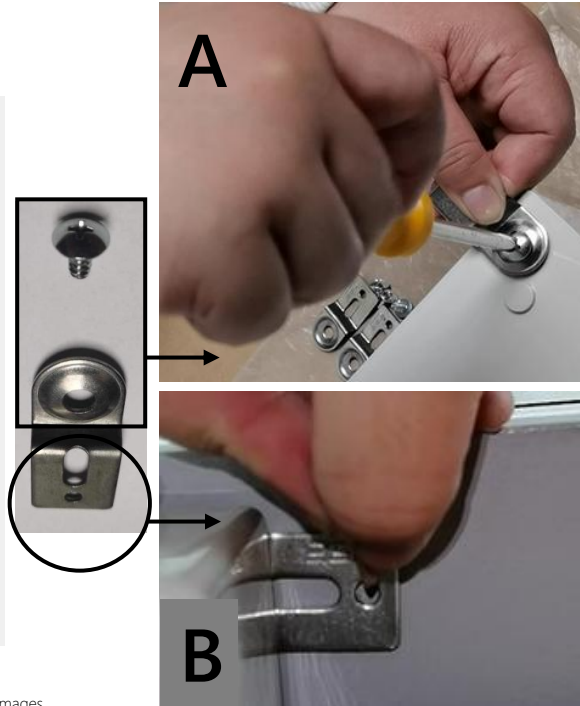
INSTALLATION GUIDE

#1

- Mount the product on a wall / ceiling.
- You may also place or mount it on a table / floor.

Wall / Ceiling Mount

- Fasten 4× brackets to the back of the product (see A).
- Use a pencil to mark the hole or slot of each bracket on the wall or ceiling (see B).
- Attach hooks or nails to the marked points.
- Affix the product to the wall or ceiling.



#2

→ Create 2× 3-inch (~76 mm) diameter holes.

→ To avoid drilling, use a fabric seal that has 2 zipper orifices.

Window / Door

- Make a board by cutting a piece of wood or plastic or rigid insulation sheet or Kraft board to at least 4-inch (~102 mm) in width.
 - You may buy an off-the-shelf ventilation board.
 - Create 2 holes in one board or 1 hole in each of two boards.
 - Attach the board(s) to a section of a window / door.
 - **Alternatively, a fabric seal can be attached to the edges of the window / door. It may be the best option for a casement or non-sliding window.**
- ✓ The board(s) or fabric material(s) shall be firmly sealed to the edges of the window / door.

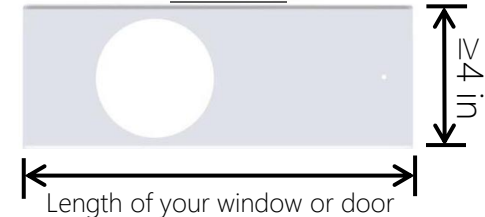
Wall / Ceiling

- Drill 2 holes into the wall / ceiling.
- ✓ The wall or ceiling shall be sufficiently sturdy to install the product.

FABRIC SEAL



BOARD



#3

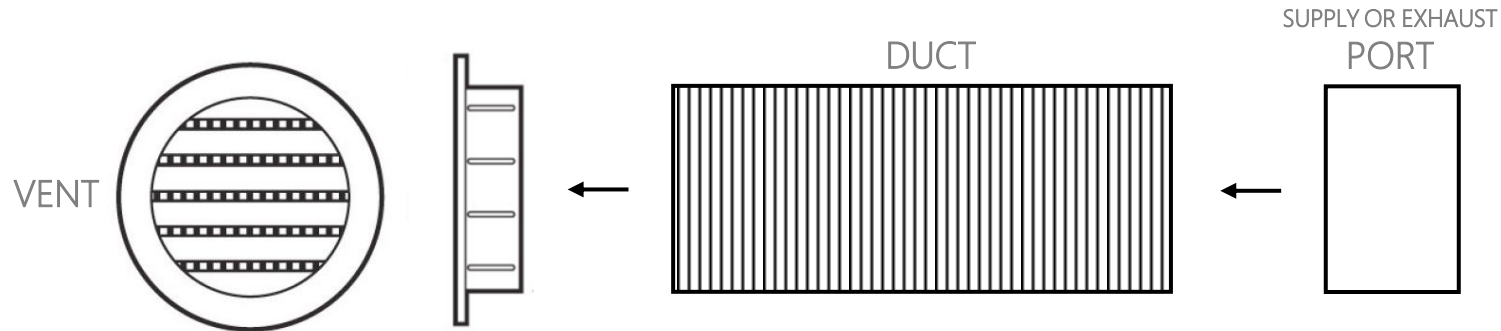
→ Insert 2× ducts into the holes.

- The ducts can be rigid, semi-rigid, or flexible.
- The ducts shall be straight (tension) without sags or bends.

→ Ensure that the zippers are fastened if a fabric seal is used.

→ Attach the ducts to external louvered vents by using tapes or hose clamps.

→ The external vents shall not have flaps and dampers.

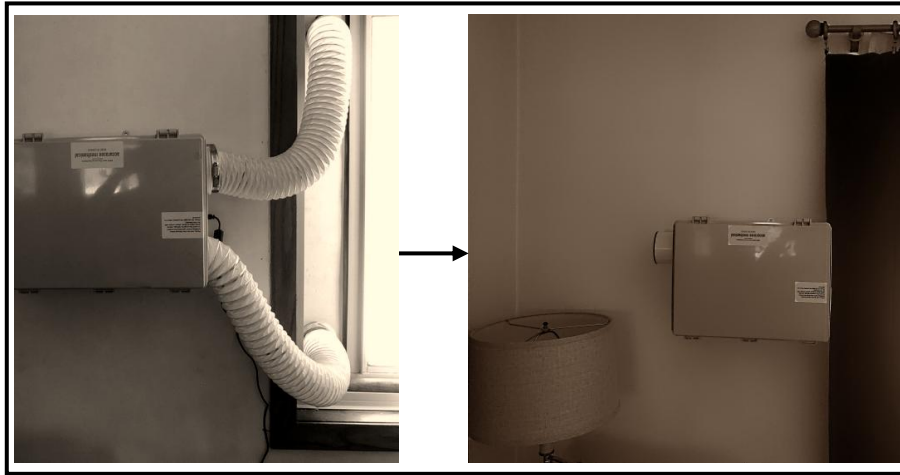


External louvered vents are available on our [website](#).

Note. The ducts shall be insulated to reduce energy losses.

INSTALLATION GUIDE

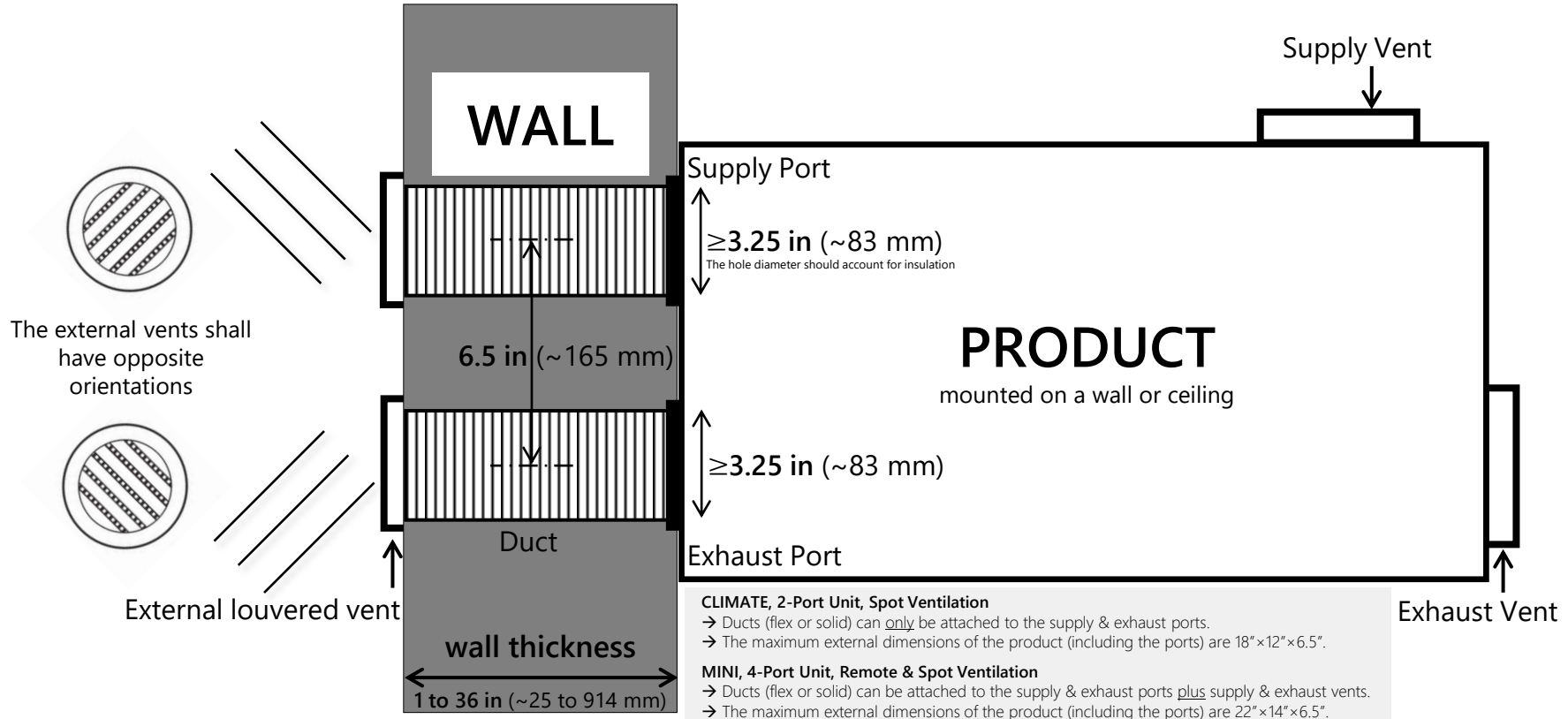
VISIBLE DUCTS



Horizontal orientation: The ducts can be positioned either on the left or right hand side.

Vertical orientation: The unit must conform to Figure 2(b) in the User Manual.

THROUGH-THE-WALL INSTALLATION



Note. The ducts shall be insulated to reduce energy losses. The holes can be less than 1 ft apart but the external vents shall be installed such that they have opposite orientations.

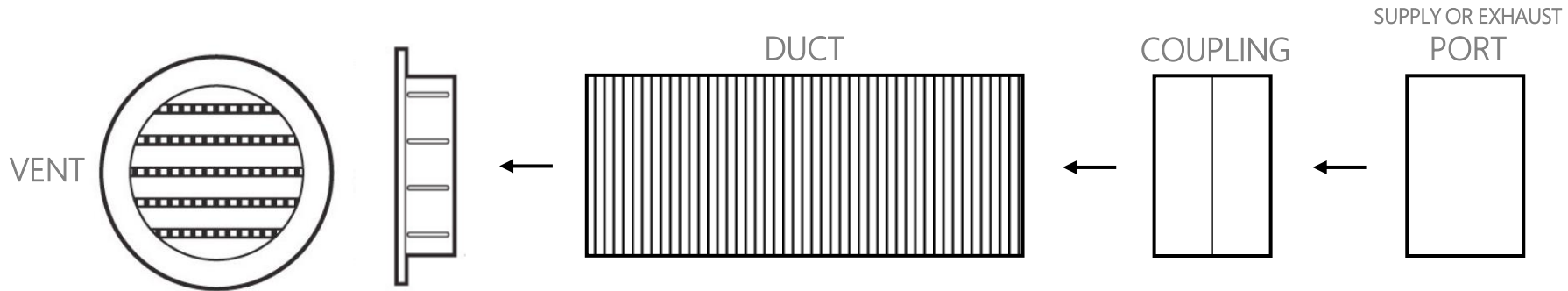
THROUGH-THE-WALL INSTALLATION

→ Insert 2× ducts into the holes in the wall.

- Rigid ducts are recommended for through-the-wall installation.
- Keep the length of the ducts as short as it is practically possible and use the minimal number of fittings.
- The exhaust duct should tilt downwards at 1° - 10° to facilitate the drainage of moisture.

→ Attach the ducts to external louvered vents by using tapes or hose clamps.

→ The external vents shall not have flaps and dampers.



External louvered vents are available on our [website](#).

Note. The ducts shall be insulated to reduce energy losses.

INSTALLATION GUIDE

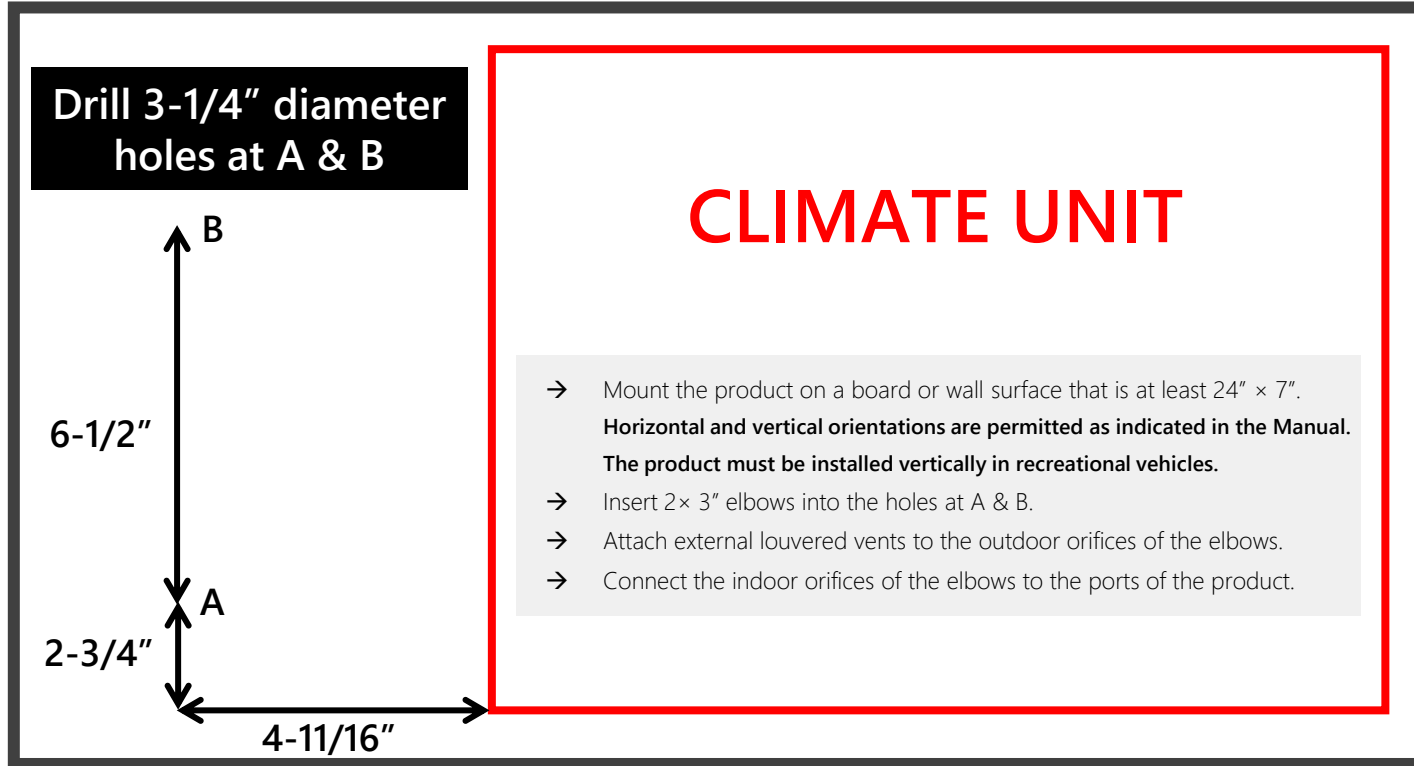
INVISIBLE DUCTS



Note. Please read the user manual before installing and/or operating the product.

INSTALLATION GUIDE

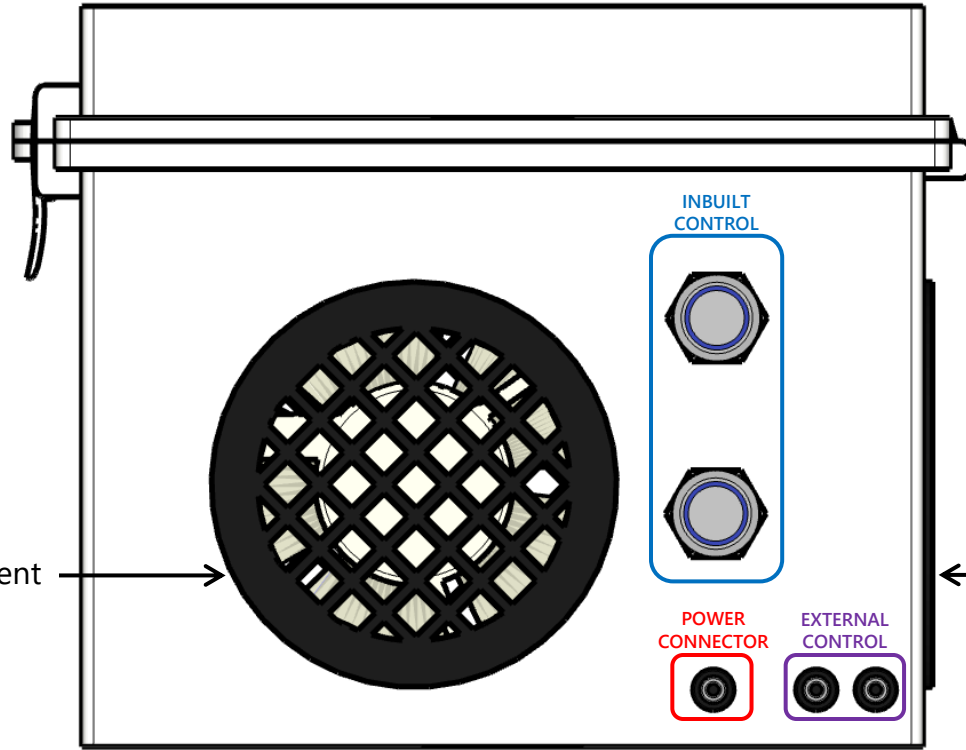
DUCTLESS INSTALLATION



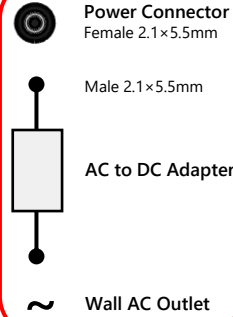
Note. The holes can be less than 1 ft apart but the external vents shall be installed such that they have opposite orientations.

INSTALLATION GUIDE

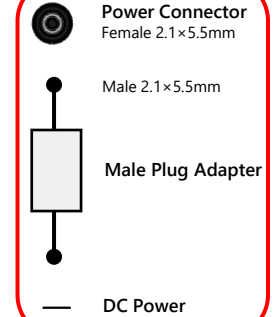
POWER & CONTROL



GRID POWER



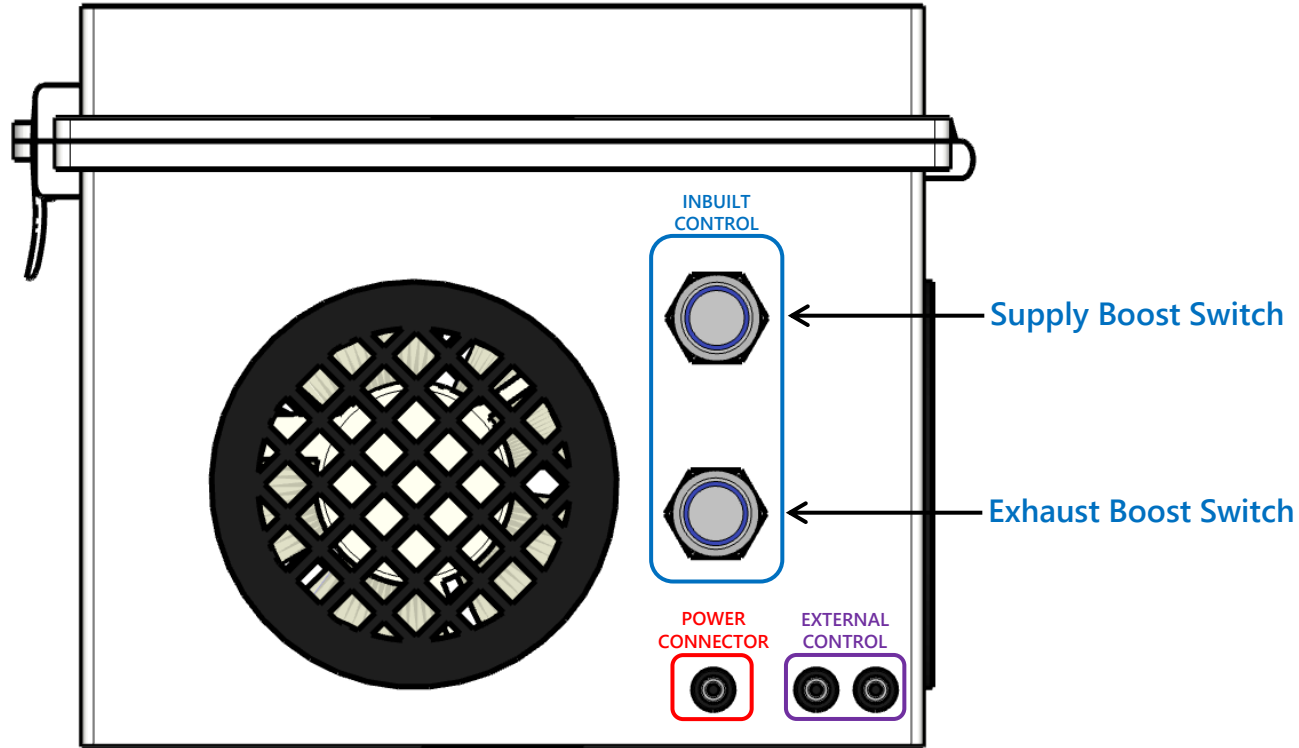
OFF GRID POWER



INSTALLATION GUIDE

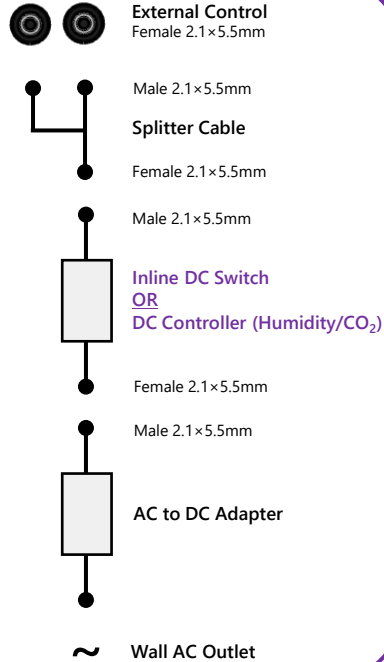
INBUILT CONTROL

- 5V: Trickle mode (suitable for small rooms and residential vehicles)
- 12V: Normal mode (the default operating mode of the product)
- 12V: Boost mode (press the control switch to activate the boost mode)

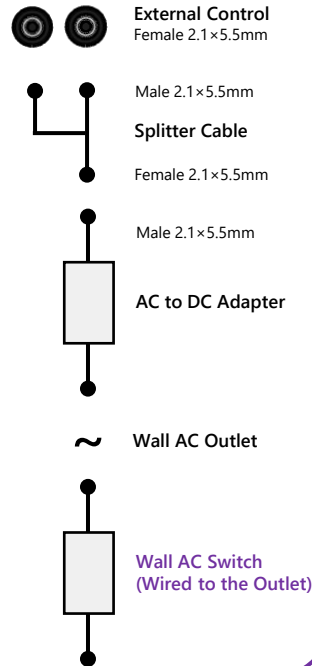


Note. Legacy products may have only one switch and/or may not have the external control ports. Failure to comply with the user manual and this guide can damage the product.

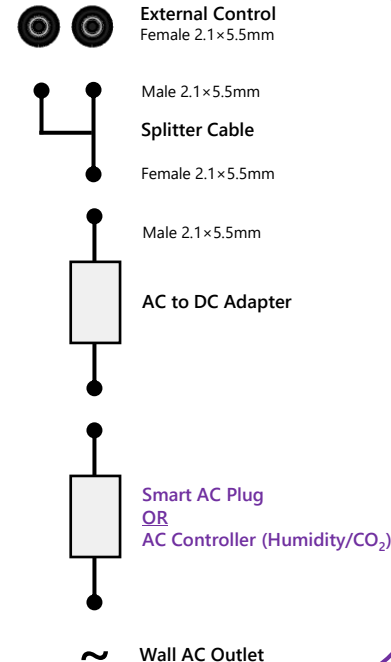
EXTERNAL CONTROL



METHOD 1



METHOD 2



METHOD 3

→ The product operates at the normal mode by default.

→ The inbuilt control switches shall not be activated when the external control ports are in use.

→ The boost mode is activated when the external control ports are supplied with 8 – 12V DC from a single power source such as an AC to DC adapter that can handle up to 2A for CLIMATE and 3A for MINI.

→ Multiple power sources shall not be connected to the external control ports.

→ The maximum length of cable(s) between the AC to DC adapter or alternative DC power source to the external control ports shall not exceed 25 ft (~7.6m).