spectrum+
Infrared Heaters

# INSTALLATION INSTRUCTIONS



## SP250/300/350

## DISCLAIMER

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## IMPORTANT SAFETY INSTRUCTIONS

**WARNING:** A WARNING alerts you to the possibility of serious injury or death if you do not follow the instructions.

**CAUTION:** A CAUTION alerts you to the possibility of damage or destruction of equipment if you do not follow the corresponding instructions.

**WARNING:** Failure to read, thoroughly understand, and follow all instructions can result in serious personal injury, damage to equipment, or voiding of factory warranty! It is the installer’s responsibility to make sure all components are properly assembled and installed using the instructions provided.

**WARNING:** Failure to provide adequate structural strength for this accessory can result in serious personal injury or damage to equipment! It is the installer’s responsibility to make sure the structure to which this accessory is attached can support the weight of all equipment.

**WARNING:** Use this heater only for its intended use as described in these instructions. Do not use attachments not recommended by the manufacturer.

**WARNING:** Professional installation required.

**IMPORTANT!:** The SP250/300/350 heaters are designed to be mounted between a wood stud wall that’s 16” on center. Minimum T&G thickness is 11/16”.

**NOTE:** Spacings - Minimum spacings between the heaters shall be maintained for safe operation of the equipment when installed in accordance with the National Electric Code, ANSI/NFPA 70.

**NOTE:** When selecting a Listed 120 Vac Receptacle for use as the main power source for the SPC heaters (power supply), make sure that AC Receptacle is rated for the heater installing.

In the U.S., the equipment shall be installed per the applicable requirements of the National Electrical Code, ANSI/NFPA 70.

In Canada, the equipment shall be installed per the applicable requirements of the Canadian Electrical Code, CSA C22.1.

## INSTALLATION

SP250/300/350 heaters are intended for use where the wall surface has not been finished and the structural studs are exposed. The wall then must be finished, and the heaters installed in cutouts.



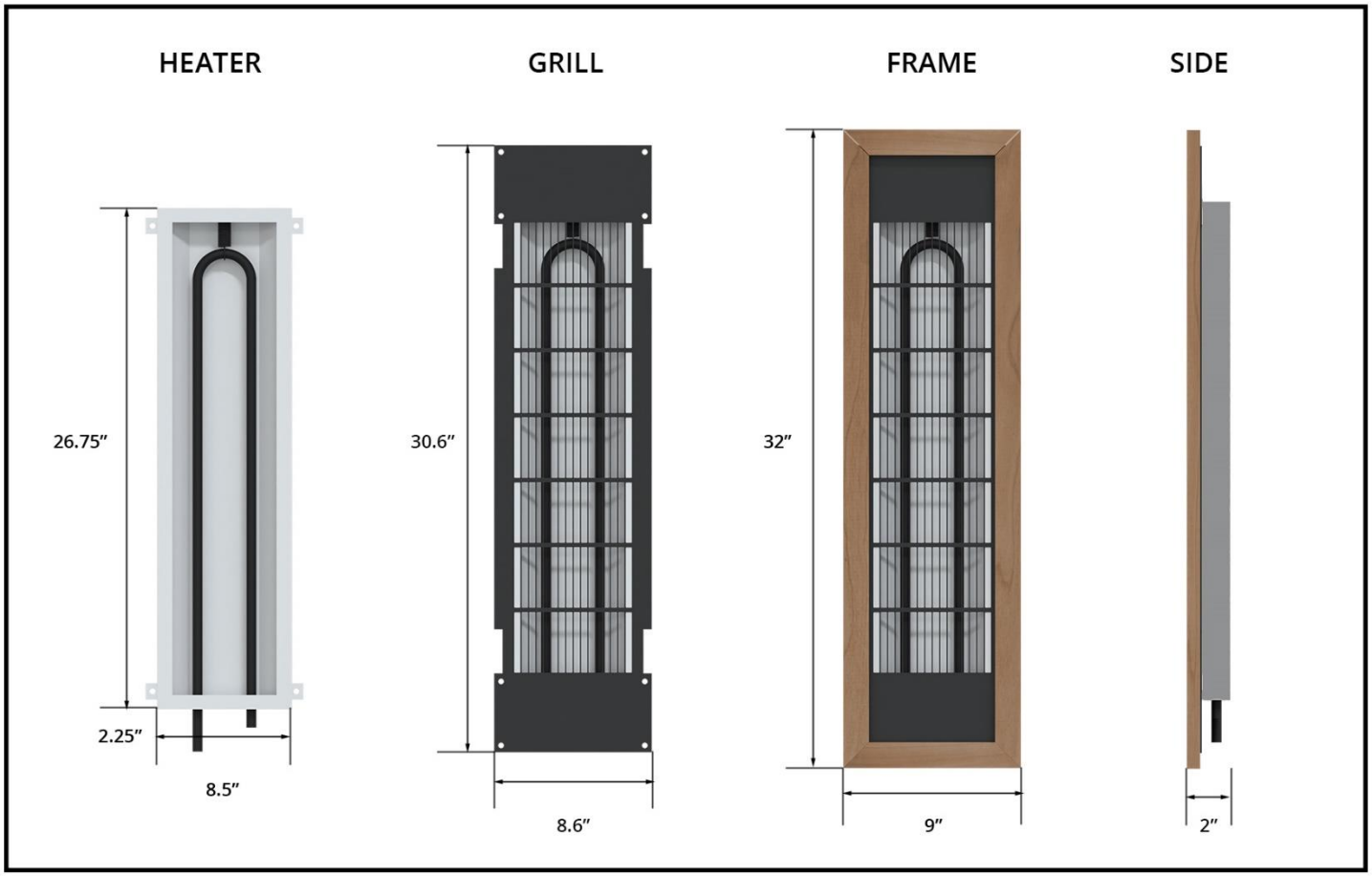
**WARNING:** All wiring should be performed by a licensed electrician following all local codes and ordinances.

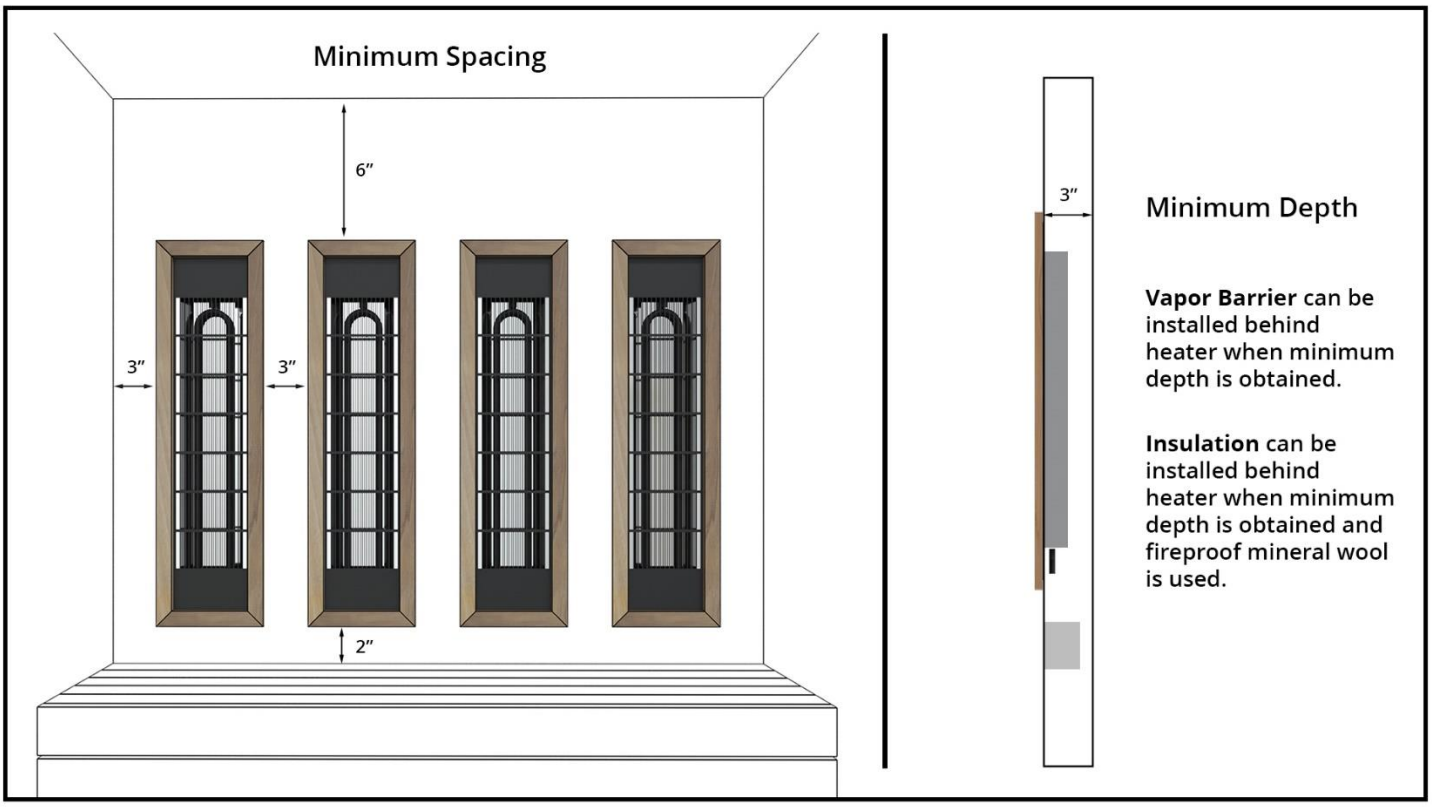
**WARNING:** ELECTRICAL SHOCK HAZARD! CUTTING OR DRILLING INTO ELECTRICAL WIRES OR CABLES CAN CAUSE DEATH OR SERIOUS PERSONAL INJURY! ALWAYS make certain area behind mounting surfaces is free of electrical wires and cables before cutting, drilling or installing fasteners.

**WARNING:** EXPLOSION AND FIRE HAZARD! CUTTING OR DRILLING INTO GAS PLUMBING CAN CAUSE DEATH OR SERIOUS PERSONAL INJURY. ALWAYS make certain area behind mounting surfaces is free of gas, water, waste or any other plumbing before cutting, drilling or installing fasteners.

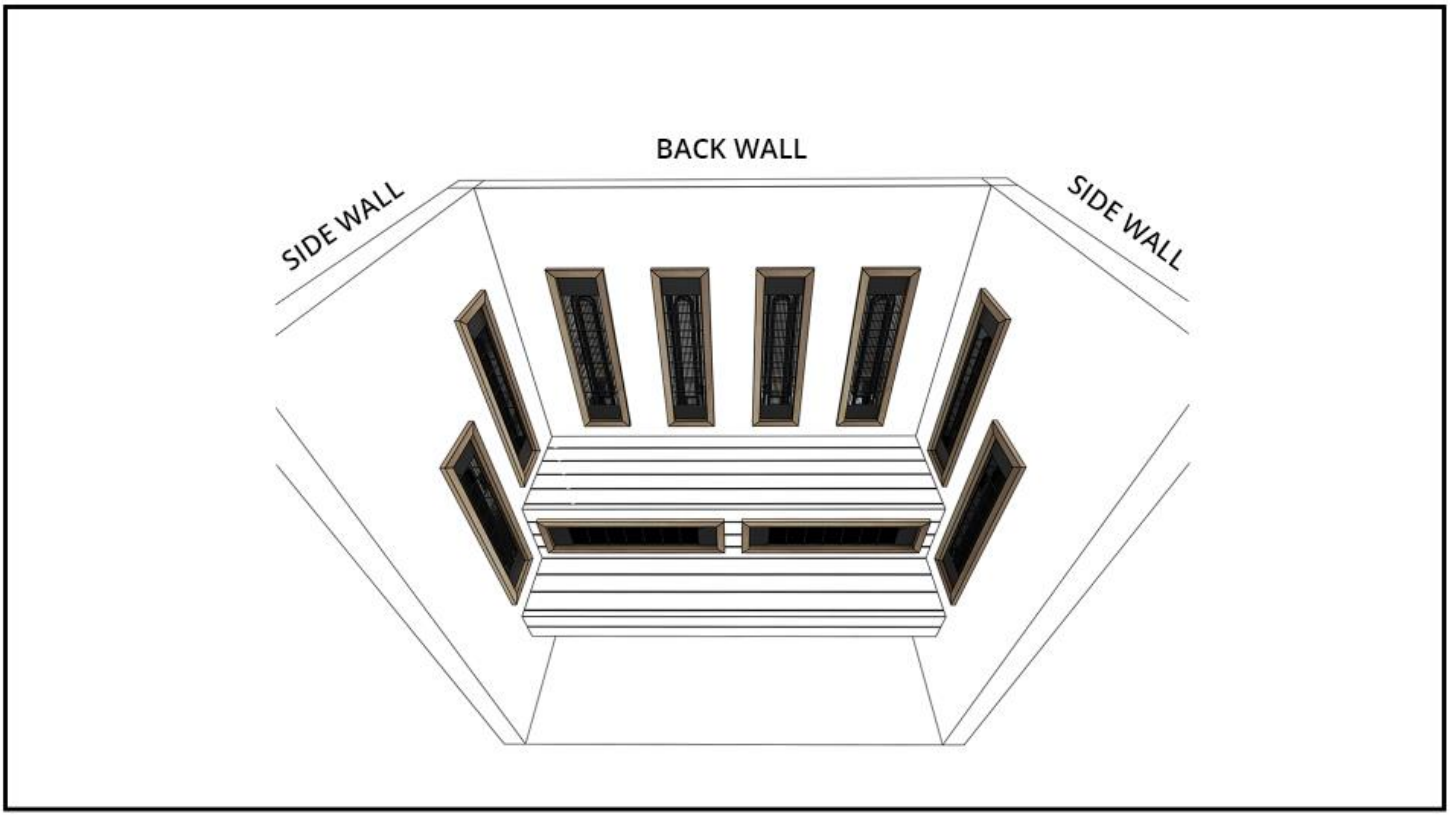
**--SAVE THESE INSTRUCTIONS--**

## HEATER DIMENSIONS & SPACING



## LAYOUT

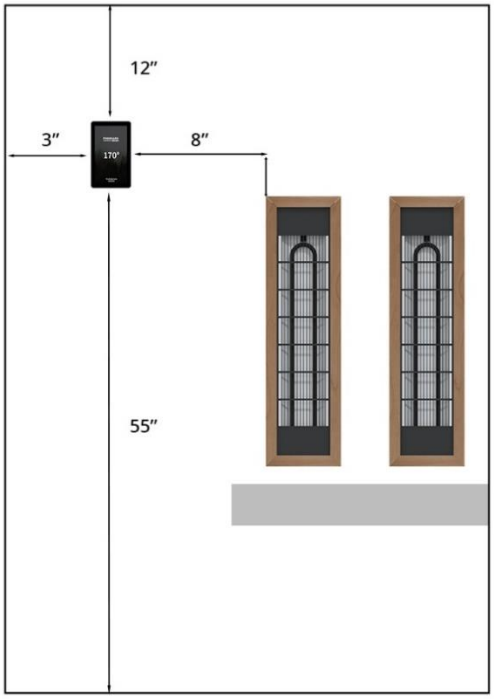



| Sauna Size | Back Wall | Side Wall | Bench | Front | Total Heaters | Cubic ft | Watts / Amps / Volts | Required Circuits | Traditional Heater* |
|---|---|---|---|---|---|---|---|---|---|
| 3x3x7 | 2 | 2 | 1 | 0 | 5 | 63 ft³ | 1500 / 12.5 / 120 | 1 | N/A |
| 4x3x7 | 3 | 2 | 0 | 1 | 6 | 84 ft³ | 1800 / 15 / 120 | 1 | N/A |
| 4x4x7 | 3 | 2 | 1 | 1 | 7 | 112 ft³ | 2100 / 17.5 / 120 | 1 | Yes |
| 5x3x7 | 4 | 2 | 1 | 1 | 8 | 105 ft³ | 2400 / 20 / 120 | 1 | Yes |
| 5x4x7L | 4 | 3 | 1 | 1 | 9 | 140 ft³ | 3150 / 13.2 / 240 | 1 | Yes |
| 5x4x7 | 4 | 4 | 1 | 1 | 10 | 140 ft³ | 3500 / 14.6 / 240 | 1 | Yes |
| 5x5x7 | 4 | 5 | 1 | 1 | 11 | 175 ft³ | 3850 / 16.1 / 240 | 2 | Yes |
| 5x6x7 | 4 | 6 | 1 | 1 | 12 | 210 ft³ | 3150 / 17.4 / 240 | 2 | Yes |
| 5x7x7 | 5 | 5 | 2 | 1 | 12 | 245 ft³ | 4550 / 19 / 240 | 2 | Yes |
| 5x8x7 | 6 | 5 | 3 | 0 | 14 | 280 ft³ | 4900 / 20.5 / 120 | 2 | Yes |
| 5x9x7 | 7 | 5 | 3 | 0 | 15 | 315 ft³ | 5250 / 22 / 240 | 2 | Yes |
| 5x10x7 | 8 | 5 | 3 | 0 | 16 | 350 ft³ | 5600 / 23.4 / 240 | 2 | Yes |
| 6x5x7 | 5 | 5 | 2 | 0 | 12 | 210 ft³ | 4200 / 17.4 / 240 | 2 | Yes |
| 6x6x7 | 5 | 6 | 2 | 0 | 13 | 252 ft³ | 4550 / 19 / 240 | 2 | Yes |
| 6x7x7 | 5 | 6 | 2 | 1 | 14 | 294 ft³ | 4900 / 20.5 / 240 | 2 | Yes |
| 6x8x7 | 6 | 6 | 3 | 0 | 15 | 336 ft³ | 5600 / 22 / 240 | 2 | Yes |
| 6x9x7 | 7 | 6 | 3 | 0 | 16 | 378 ft³ | 5600 / 23.4 / 240 | 2 | Yes |
| 6x10x7 | 8 | 6 | 3 | 0 | 17 | 420 ft³ | 5950 / 24.8 / 240 | 2 | Yes |

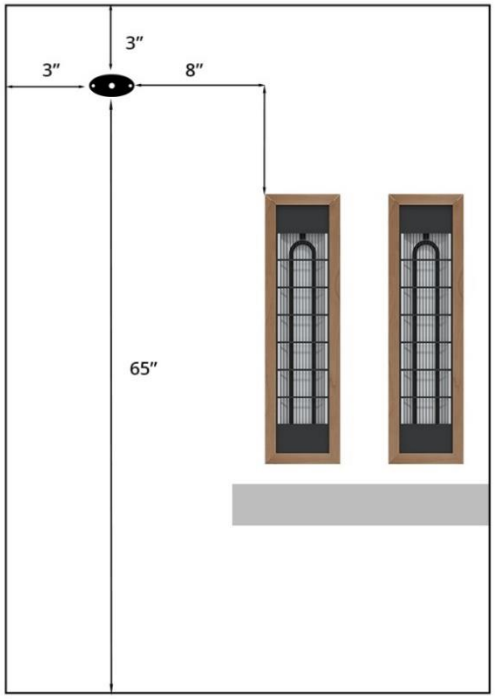
*****Traditional heaters can only be used in combination with Spectrum Plus IR heaters. Adding carbon panels to a traditional heater sauna voids all warranties.

## CONTROLLER & SENSOR

### Controller Spacing
(Minimum)



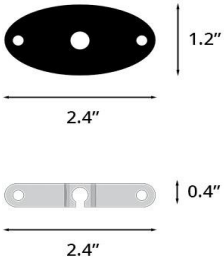

### Sensor Spacing
(Minimum)



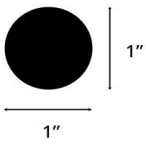

### V2 Controller



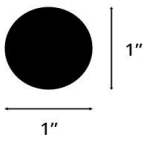

### Sensor Hardware




### Wire Hole

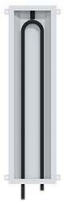



### Wire Hole



## PARTS INCLUDED





Infrared Heater



Stainless Steel Heater Cover



Cedar Wood Frame




ETL Listed Power Supply



Power Cable (9ft)



(6) C14 Whips (3ft)

Grounding screw installed at factory.





Earthing symbol IEC 60418 No. 5019 affixed adjacent to grounding terminal.

## COMPONENTS NEEDED FOR OPERATION




V2 LCD Controller




V2 LCD WiFi Controller

## OPTIONAL PARTS PER CUSTOM CONFIGURATION (NOT INCLUDED)





Conduit Connectors



Conduit Pipe 1/2" or 1"



Junction Box



MC Connectors



MC Fastner



MC Cable

## CONFIGURATION EXAMPLES


4x4


4x5


4x6


5x5


5x6


5x7


6x6


6x7


6x8

**NOTE:** Configuration examples are based on achieving 170-degree temperatures without utilizing a traditional heater (combination). For combination saunas, the number of infrared panels can be lowered if the primary goal is to use both the infrared and traditional heaters at the same time.

**NOTE:** To achieve the ultimate sauna experience, maximize your infrared and traditional heater quantities. The sauna temperature can always be adjusted to lower the temperature.

## STUD LAYOUT



### PLANNING YOUR STUDS

Carefully plan your stud configuration. Your studs must coincide with your heater layout as each heater requires a minimum **3” depth** for proper installation and ventilation.

Common 16” on center stud spacing can be used for most builds. For uncommon spacing or angles, adjust your studs to accommodate each heater.

*Each heater should be 2” above the seating surface of the sauna bench. This calculation should be made during the stud planning process.

**This is an example of stud placement. Your configuration may require additional bracing based on bench configurations or local building codes.

## JUNCTION BOX LOCATIONS



### JUNCTION BOX LOCATIONS

A metal junction box should be located under each heater for safety and code compliant access.

The top connection to your junction box should be metal conduit pipe. Heater connections can be standard flexible conduit.



*Use 4” junction boxes for easier wiring access.

**Use a minimum of 12awg cable for best heater performance.

## POWER SUPPLY LOCATION



**POWER SUPPLY LOCATION**
The power supply unit should be placed in an accessible location within 118” of the sauna controller.

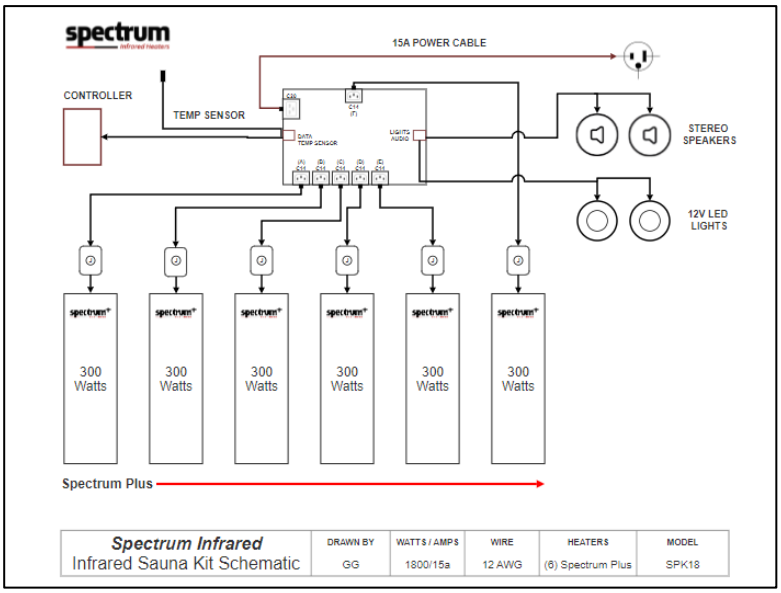
**For infrared only saunas,** the power supply can be mounted within the sauna in a covered location (e.g., under a removable benchtop).

**For infrared and traditional applications, the power supply must be mounted outside of the sauna (e.g. next to the subpanel).**



There will need to be a 1.5” diameter access hole made to run the power cable to the wall outlet.

## POWER SUPPLY HEATER CONNECTIONS




**WIRES TO POWER SUPPLY**
Carefully follow the wiring schematic to ensure proper wire configuration.

Use the proper gauge wiring per heater load and run length.

*To ensure low EMI/EMF readings, all heaters must be wired with metal flexible conduit.

**For access, make the tops of your sauna benches removable for wiring access in the future.

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## DATA CABLE FOR CONTROLLER




**CONTROLLER DATA CABLE**
Your controller location should be within 118” of the red power supply box.

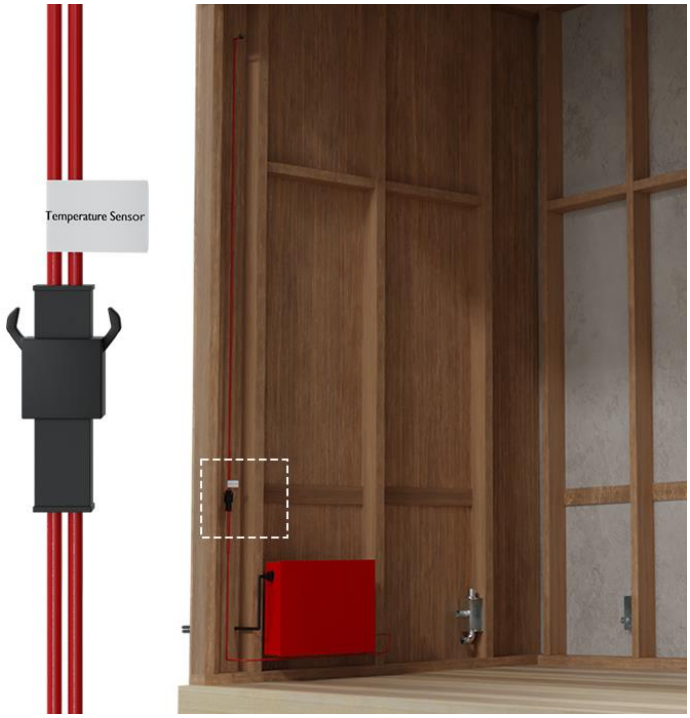
Connect your data cable to the power supply and secure the end of the wire to the stud location where your controller will be mounted.

*We recommend using a medal pipe or channel to run this cable and your temperature sensor for easy replacement if necessary.

**Your data cable can be extended on site to obtain an additional 60”.

.

## TEMPERATURE SENSOR



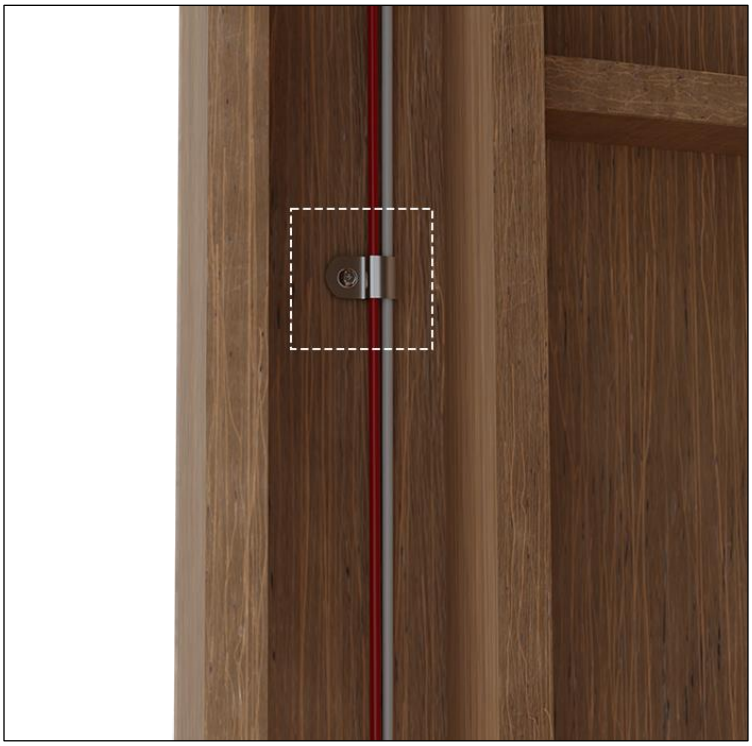

**TEMPERATURE SENSOR CABLE**
Your temperature sensor should be within 118” of the red power supply box.

Connect your sensor wire to the power supply and secure the end of the wire to the stud location where your sensor will be mounted.

*Wires don’t often fail, however we recommend using a medal pipe to run this cable and your controller data cable for easy replacement if necessary.

**Your temperature sensor cable can be extended on site to obtain an additional 100”.

## HEATER CONNECTIONS



**SECURE SENSOR AND CONTROL WIRE**
Secure both wires to the adjacent stud to connect to components in the future.

.

## HEATER FOIL VAPOR BARIER



**VAPOR BARRIER INSTALLATION**
For the best heater performance, install vapor barrier in each heater cavity. This step is not required but recommended.

*Insulation can be added behind the heater for added thermal retention. Only fire retardant/ high heat insulation (rock wool) should be installed.

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## INSULATION



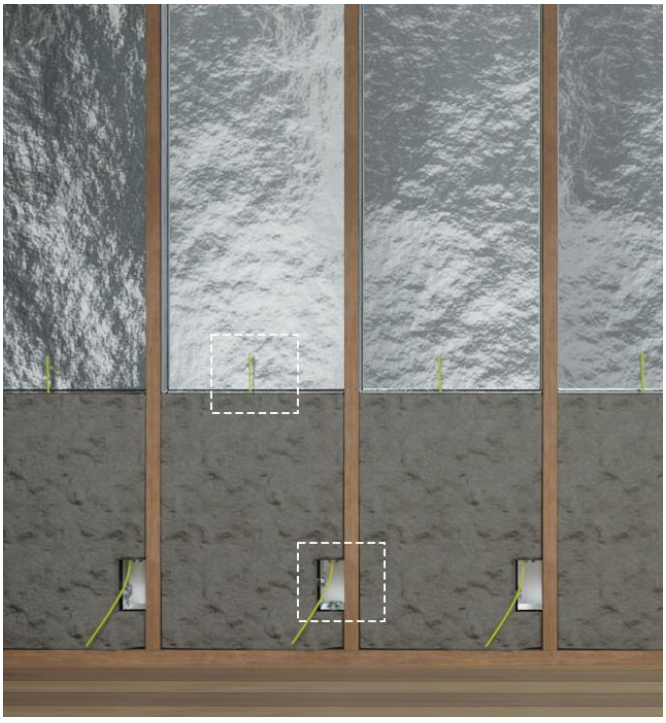
**INSTALL INSULATION**
Place insulation in all stud sections except for heater pockets.

*Insulation can be added behind the infrared heaters by using rockwool that is fire retardant / resistant.

**For outdoor applications or an outdoor exposed wall, use the highest R value within your budget.

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## FISH WIRE



**FISH WIRE**
Run your fish wire from the Junction box to your heater cavity.

## VAPOR BARRIER



**FINAL VAPOR BARRIER**
Apply your final application of vapor barrier.

## INSTALL CLADDING



**CLADDING INSTALLATION**
Install cladding, cutting the boards to coincide with your heater pockets/ layout.

*Cladding can be installed either vertically or horizontal without effecting the integrity of the sauna heaters.

**Fish wire should be secured to the heater cavity.

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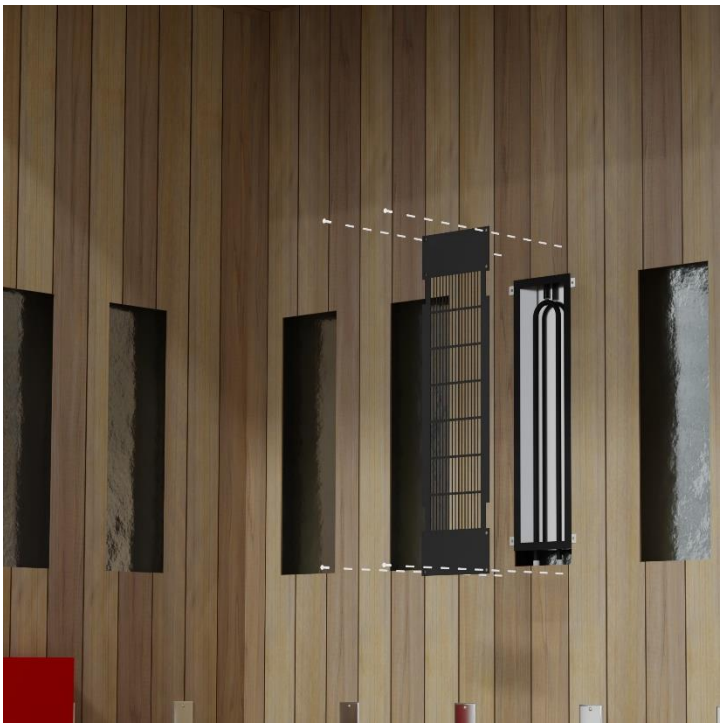
## INSTALL HEATER



**INSTALL HEATER AND WIRE**
Place your Spectrum Plus™ heater into the cavity. Route the heater power wires into your junction box. Make your power connections.

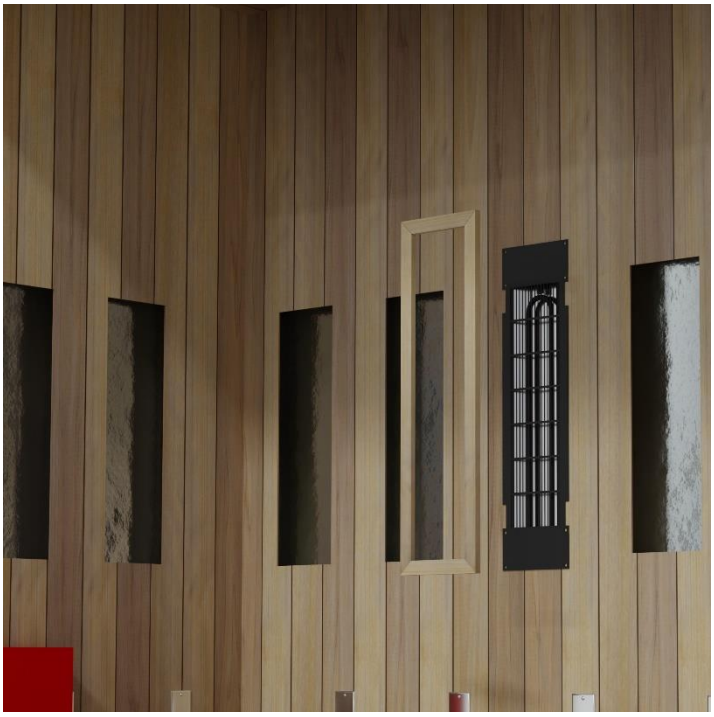
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## INSTALL HEATER COVER



**INSTALL HEATER COVER**
Install the lower cladding and heater grill with (4) wood screws.

## WOOD FRAME



**INSTALL WOOD FRAME**
Place your Spectrum Plus™ heater into the cavity, connect your wires, and secure using (4) wood screws or finishing nails.

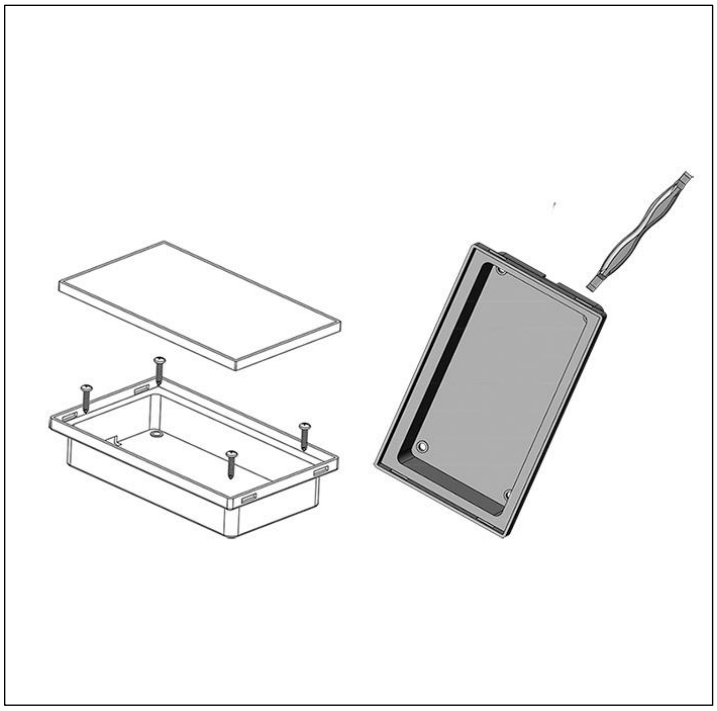
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## BACKREST EXAMPLES




*Backrests can be installed on the surface of the heater frame, no gaps needed.
**For proper support, use additional bracing between each heater.
***For optimal performance, limit covering heaters by more than 50%.

## CONTROLLER CASE



**OPEN THE CONTROLLER CASE**
Using a pick tool or a small flat head screw driver push down on the clips found on top of the controller's case.

**Tip:** Push at an angle to ensure the screw driver doesn't push into the screen's circuit board.

## INSTALL CONTROLLER



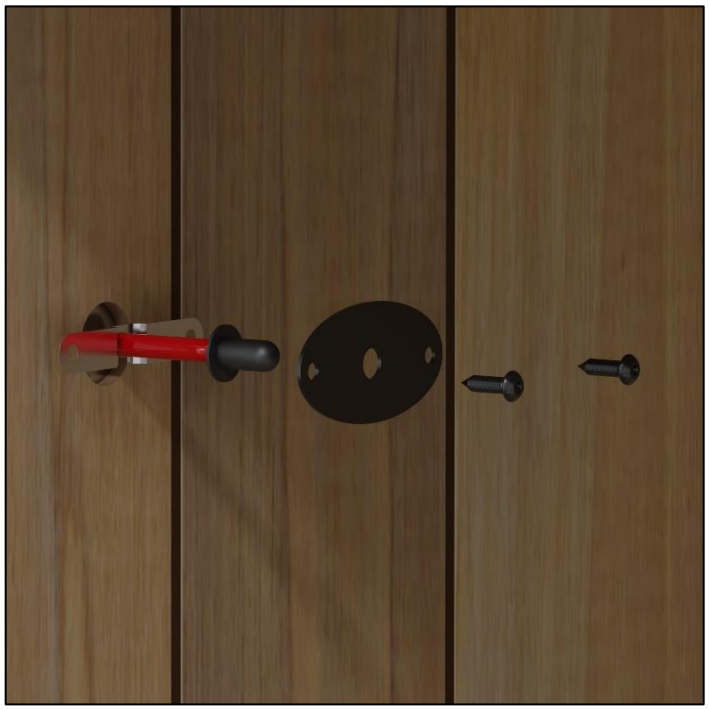

**INSTALL CONTROLLER**

Follow the control panel mounting instructions to ensure proper installation.

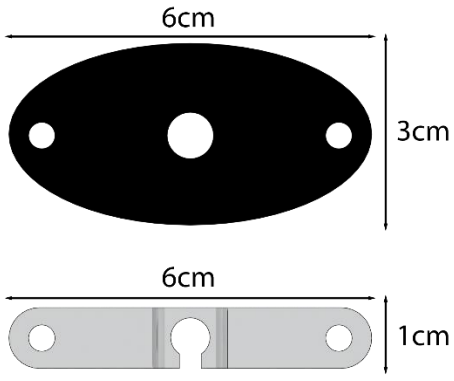
Using a pick tool or a small flat head screw driver push down on the clips found on top of the controller's case.

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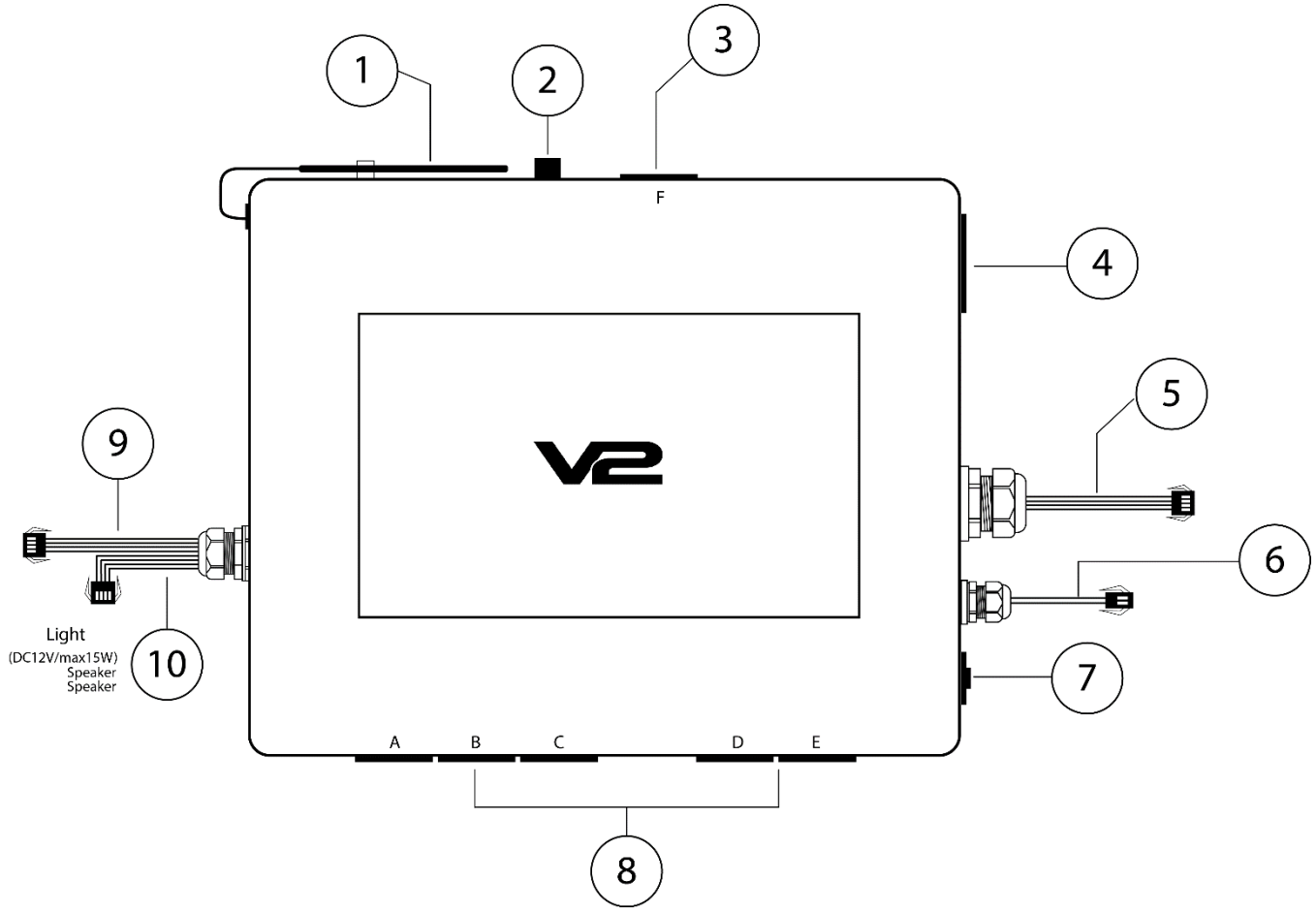
## MOUNT TEMPERATURE SENSOR



**TEMPERATURE SENSOR**
Using provided parts, mount your temperature sensor.

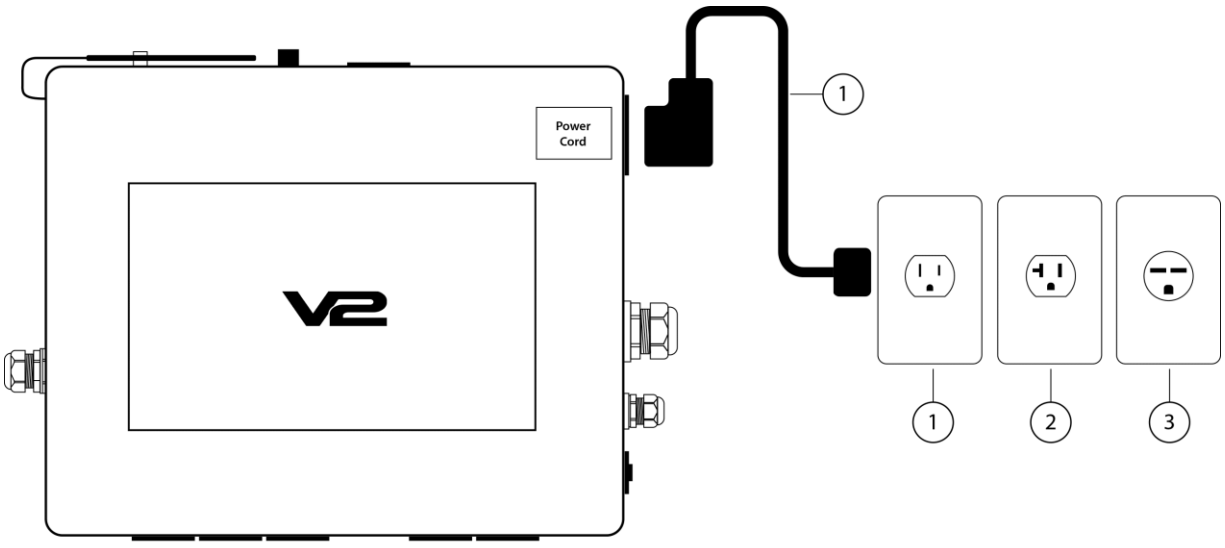


## V2 POWER SUPPLY



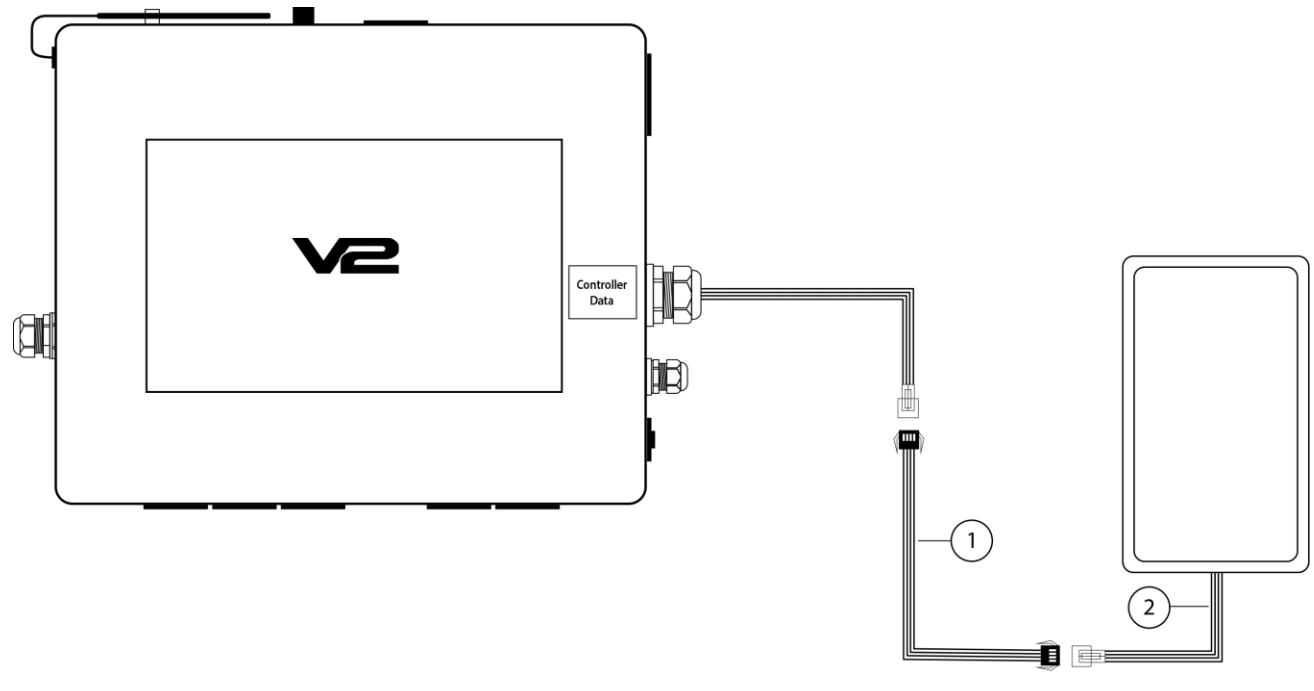

| Item No. | Item Discription | Type | Specifications |
|---|---|---|---|
| 1 | High Limit Protection Switch | Reset Switch | 1/4" D Bulb |
| 2 | High Limit Protection Reset Cap - Unscrew Cap to Access Reset | Reset Cap Cover | Red Cap |
| 3 | Heater (F) Connection | IEC 60320 (C-13) | Female Receptacle |
| 4 | Power Cable Connection | IEC 320 C20 Socket | 15/20a - 120/240v |
| 5 | Controller Data Connection | 4-Pin Connector | 23" Cable with Connector |
| 6 | Temperature Sensor Connection | 2-Pin Connector | 5" Cable with Connector |
| 7 | Breaker Protection Reset - Press to reset | Reset Switch | Internal Breaker |
| 8 | Heater (A,B,C,D,E) Connections | IEC 60320 (C-13) | Female Receptacles |
| 9 | Speaker Cable Connection | 4-Pin Connector | 5" Cable with Connector |
| 10 | LED Lighting Connection | 4-Pin Connector | 5" Cable with Connector |

## V2 POWER CONNECTION



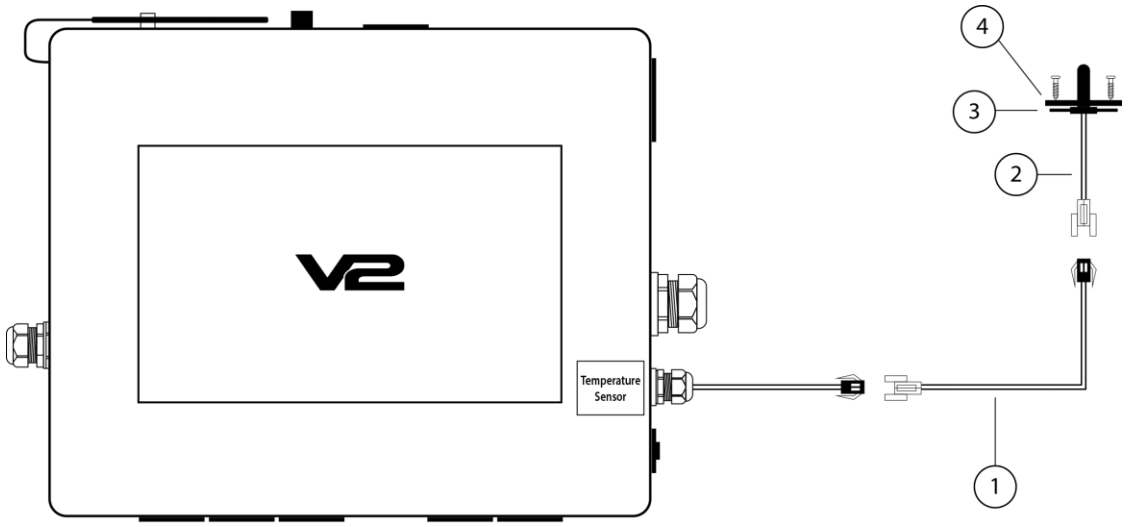

| Item No. | Item Image | Item Description | Length | SKU |
|---|---|---|---|---|
| 1 | | 15a 120v Power Cable - C19 to NEMA 5-15P | 15 Feet | 15PC |
| 2 | | 20a 120v Power Cable - C19 to NEMA 5-20P | 15 Feet | 20PC |
| 3 | | 15a 240v Power Cable - C19 to NEMA 6-15P | 15 Feet | 240PC |

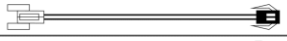
## V2 CONTROLLER WIRING



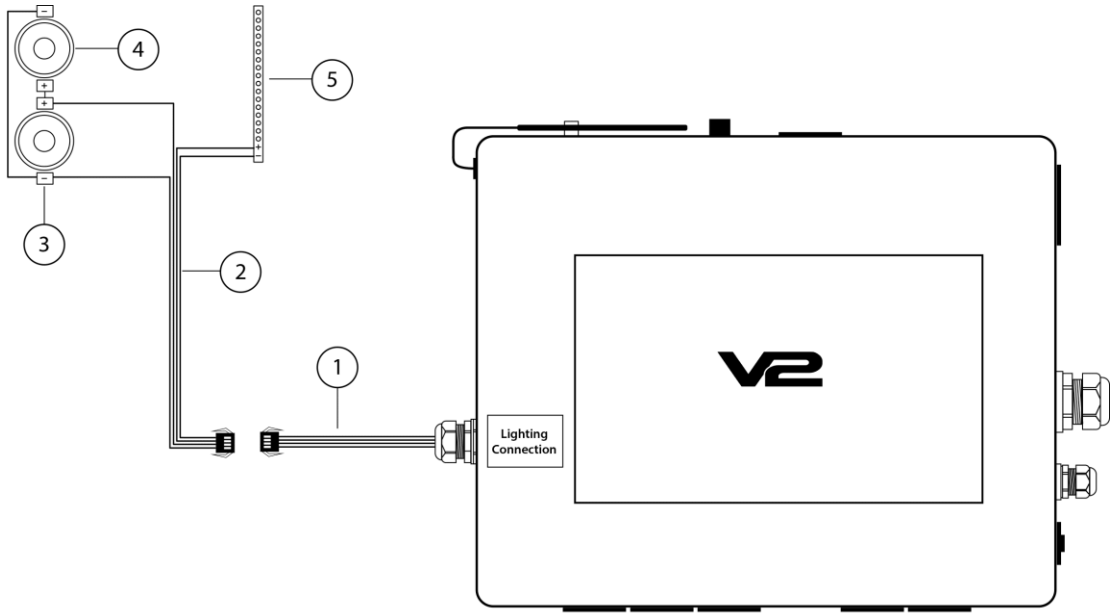

| Item No. | Item Image | Item Description | Length | SKU |
|---|---|---|---|---|
| 1 | | 4-Pin Data Extension Cable | 63 Inches | V2DC |
| 2 | Controller | 4-Pin Controller with Cable | 36 Inches | V2LCDC |

## V2 TEMPERATURE SENSOR



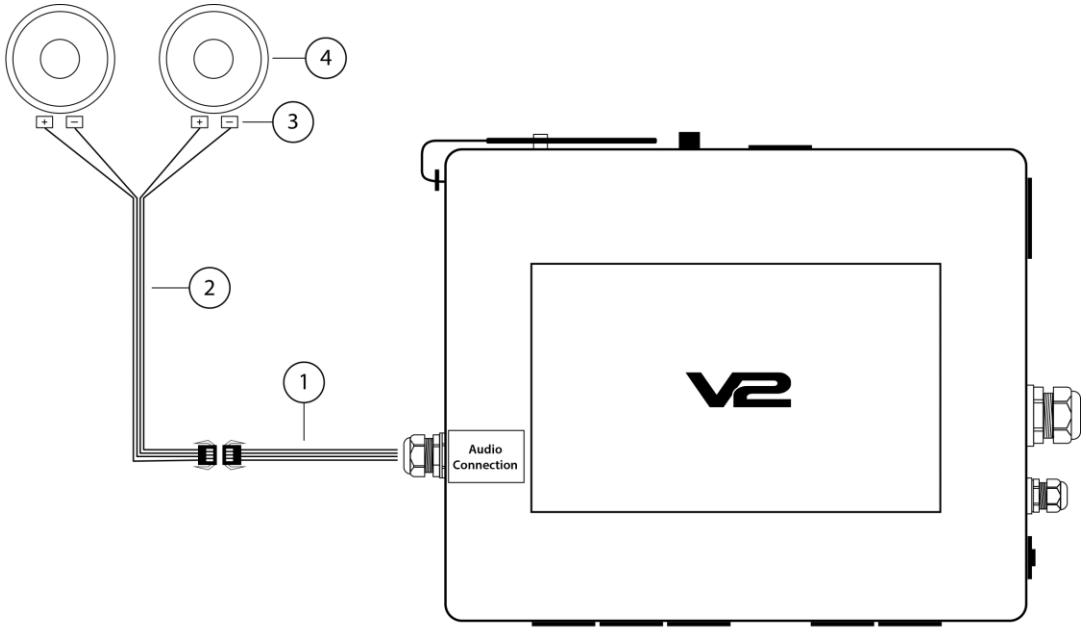

| Item No. | Item Image | Item Description | Length | SKU |
|---|---|---|---|---|
| 1 |  | 2-Pin Temperature Sensor Extension Cable | 80 in | FD-TS2 |
| 2 |  | 2-Pin Temperature Sensor - K6 | 34.5 in | V2TS |
| 3 |  | Temperature Sensor Mount Holder | 2.3 in x 0.4 in | V2TSM |
| 4 |  | Temperature Sensor Plate | 2.3 in x 1.2 in | V2TSM |

## V2 LIGHTING (12V)



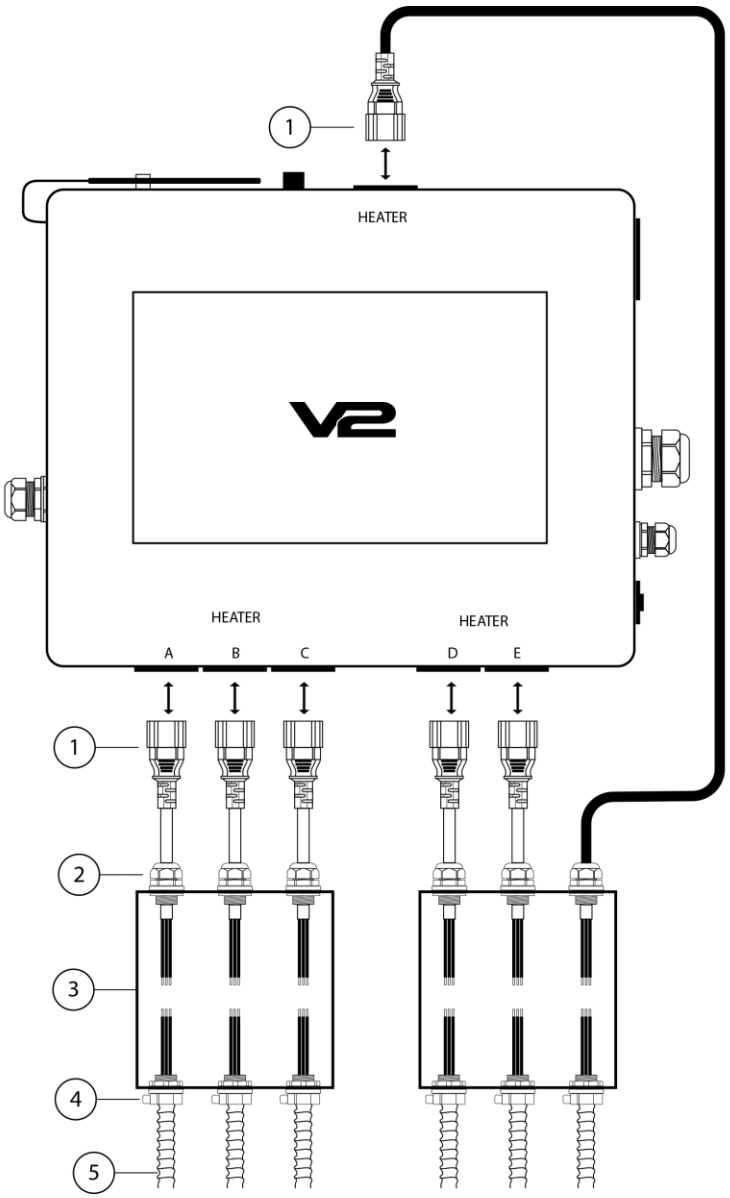

| Item No. | Item Image | Item Description | Length | SKU |
|---|---|---|---|---|
| 1 |  | 4-Pin Attached Lighting Cable | 5 in | N/A |
| 2 |  | 4-Pin Lighting Cable | 180 in | V2PC |
| 3 |  | Ring Terminal (Not Included) | N/A | N/A |
| 4 |  | 12v LED Puck Lights (Optional) | N/A | LEDBRGB |
| 5 |  | 12v LED Strip Light (Optional) | N/A | LEDSTRP |

## V2 AUDIO



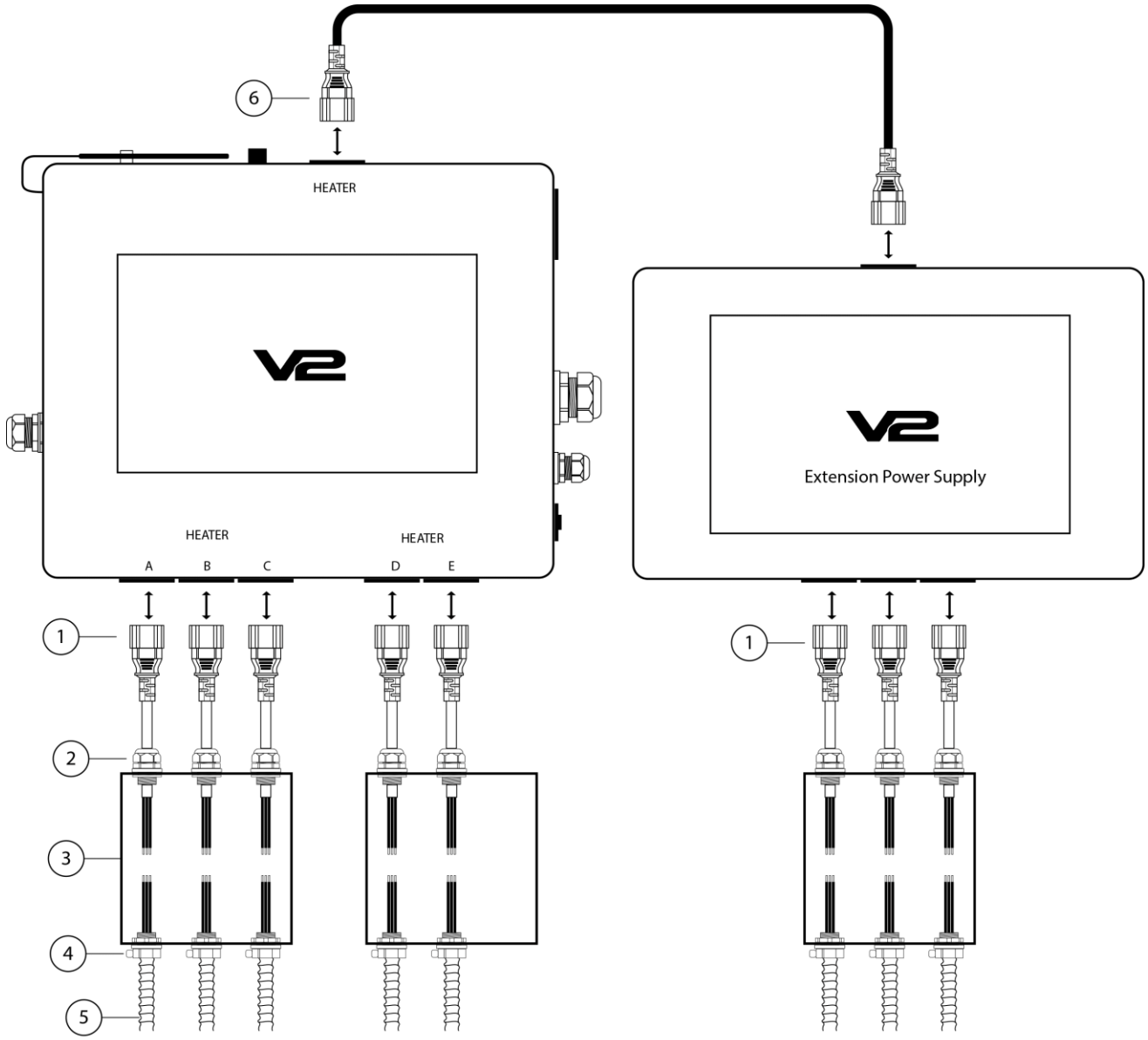

| Item No. | Item Image | Item Description | Length | SKU |
|---|---|---|---|---|
| 1 | | 4-Pin Attached Audio Cable | 5 in | N/A |
| 2 | | 4-Pin Audio Cable | 180 in | AC-180 |
| 3 | | Ring Terminal (Not Included) | N/A | N/A |
| 4 | | Marine Grade Audio Speakers (Optional) | 6 in | SPKR6M |

## V2 HEATER WIRING



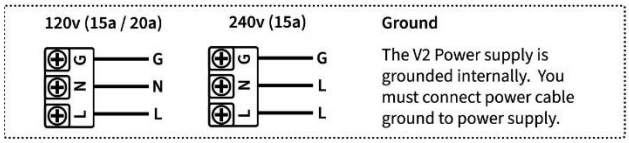

| Item No. | Item Image | Item Description | Length | SKU |
|---|---|---|---|---|
| 1 |  | IEC320 C14 Whip Cable | 36 in | C14-1 |
| 2 |  | Metal Cable Gland | N/A | N/A |
| 3 |  | 4" Galvanized Steel Square Electrical Box | 4 in | N/A |
| 4 |  | AC/MC Connector | N/A | N/A |
| 5 |  | MC Cable | Cut to Length | N/A |

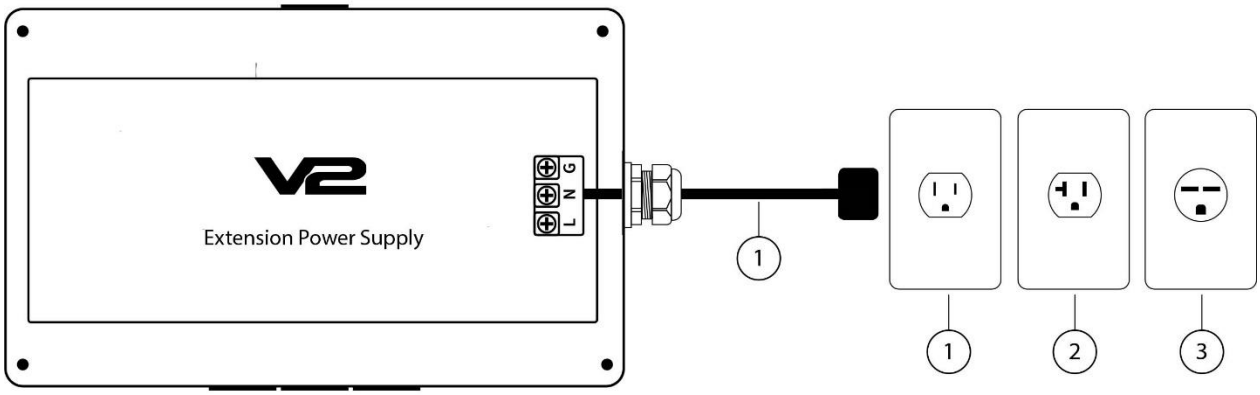
## V2 HEATER WIRING WITH EXTENSION BOX




| Item No. | Item Image | Item Description | Length | SKU |
|---|---|---|---|---|
| 1 | | IEC320 C14 Whip Cable | 36 in | C14-1 |
| 2 | | Metal Cable Gland | N/A | N/A |
| 3 | | 4" Galvanized Steel Square Electrical Box | 4 in | N/A |
| 4 | | AC/MC Connector | N/A | N/A |
| 5 | | AC/MC Connector | Cut to Length | N/A |
| 6 | | IEC-320 C13 to C14 | 72 in | 6EC |

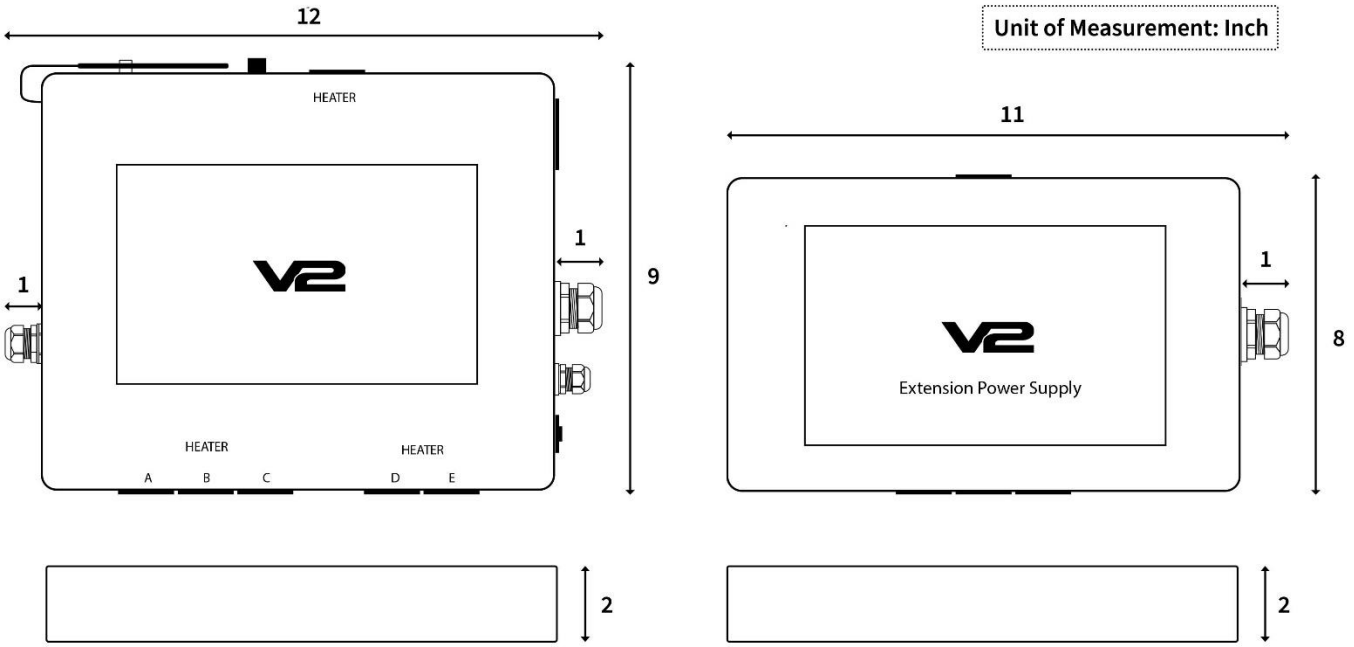
## V2 EXTENSION BOX WIRING



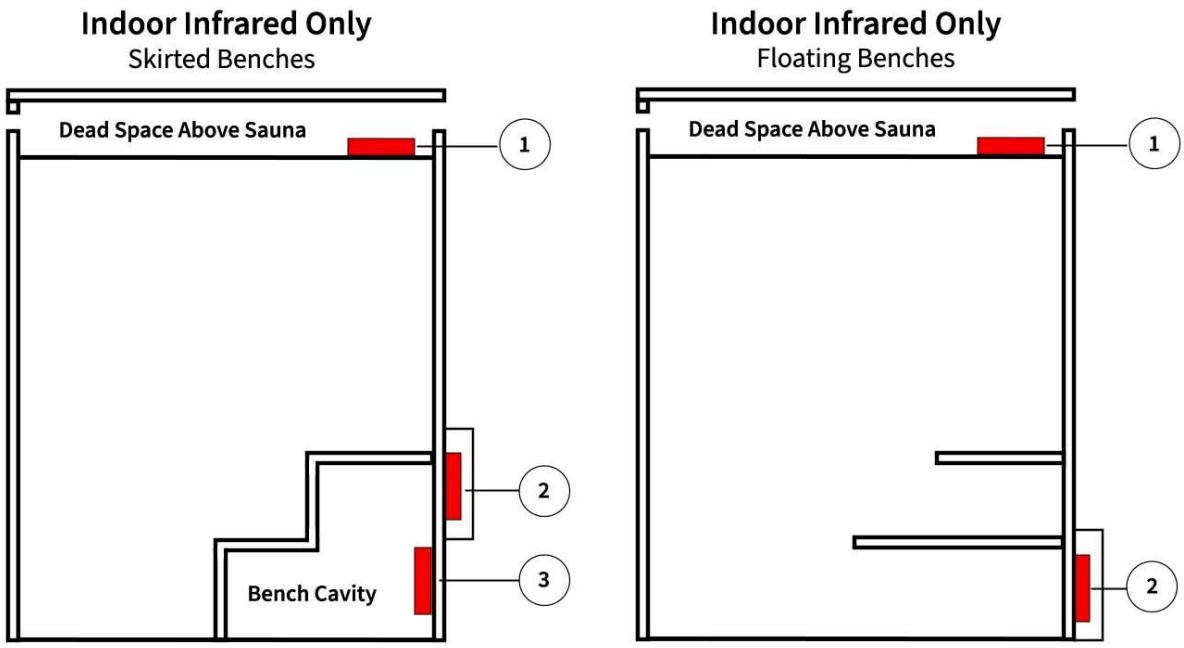




| Item No. | Item Image | Item Description | Length | SKU |
|---|---|---|---|---|
| 1 | | 15a 120v Power Cable - C19 to NEMA 5-15P | 15 Feet | 15PC |
| 2 | | 20a 120v Power Cable - C19 to NEMA 5-20P | 15 Feet | 20PC |
| 3 | | 15a 240v Power Cable - C19 to NEMA 6-15P | 15 Feet | 240PC |

## POWER SUPPLY MEASUREMENTS

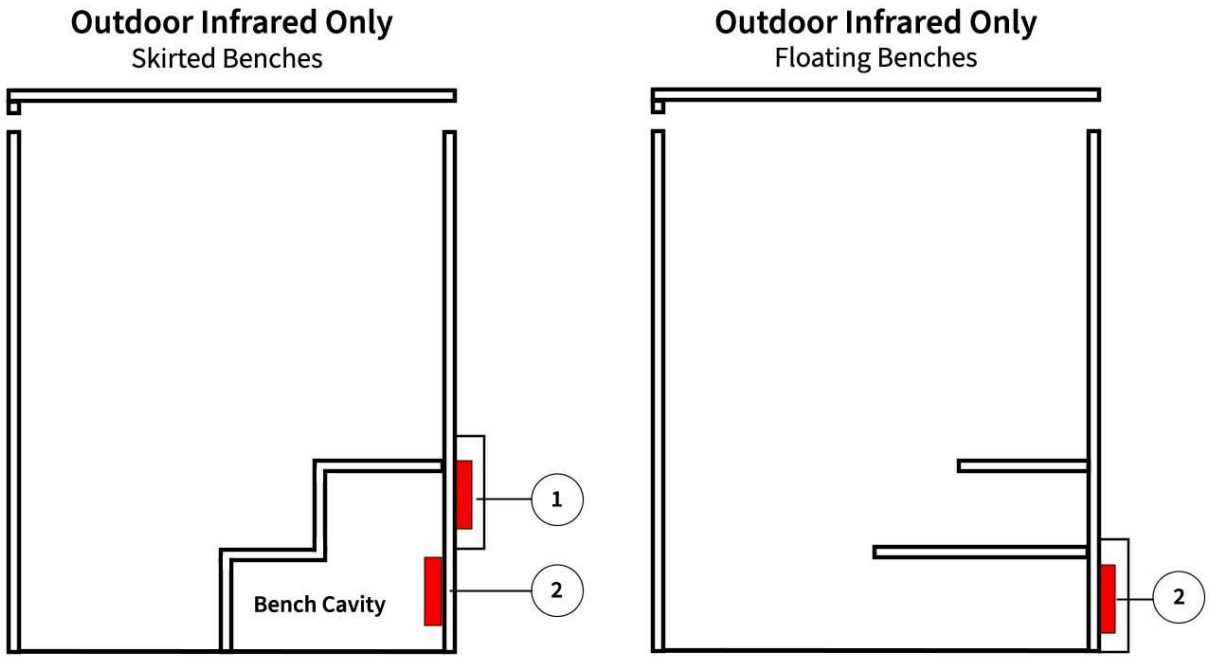


## INDOOR POWER SUPPLY LOCATION (INFRARED ONLY)



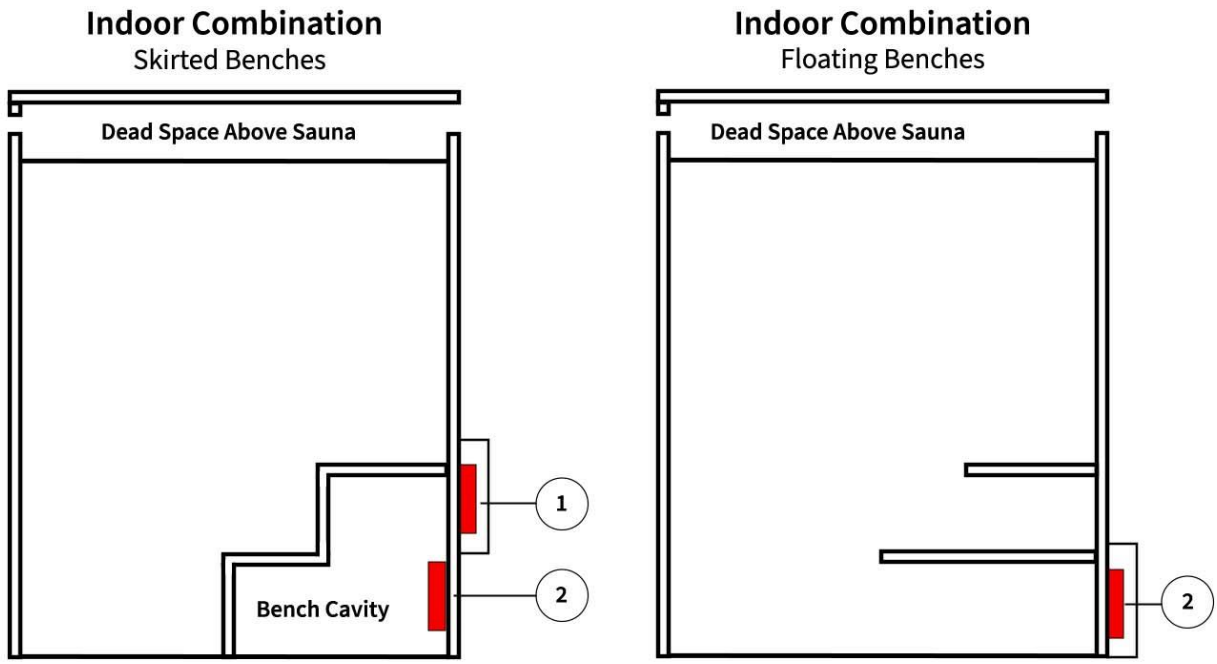

| Item No. | Location | Installation Notes |
|---|---|---|
| 1 | Dead Space Above Sauna | If dead space above sauna is available due to furring down ceiling. Must create access panel. |
| 2 | Outside Sauna Room | Exterior compartment, ensure proper ventilation and access. |
| 3 | Bench Cavity | Must be skirted benches, ensure access from removable bench skirt or bench top. |

## OUTDOOR POWER SUPPLY LOCATION (INFRARED ONLY)



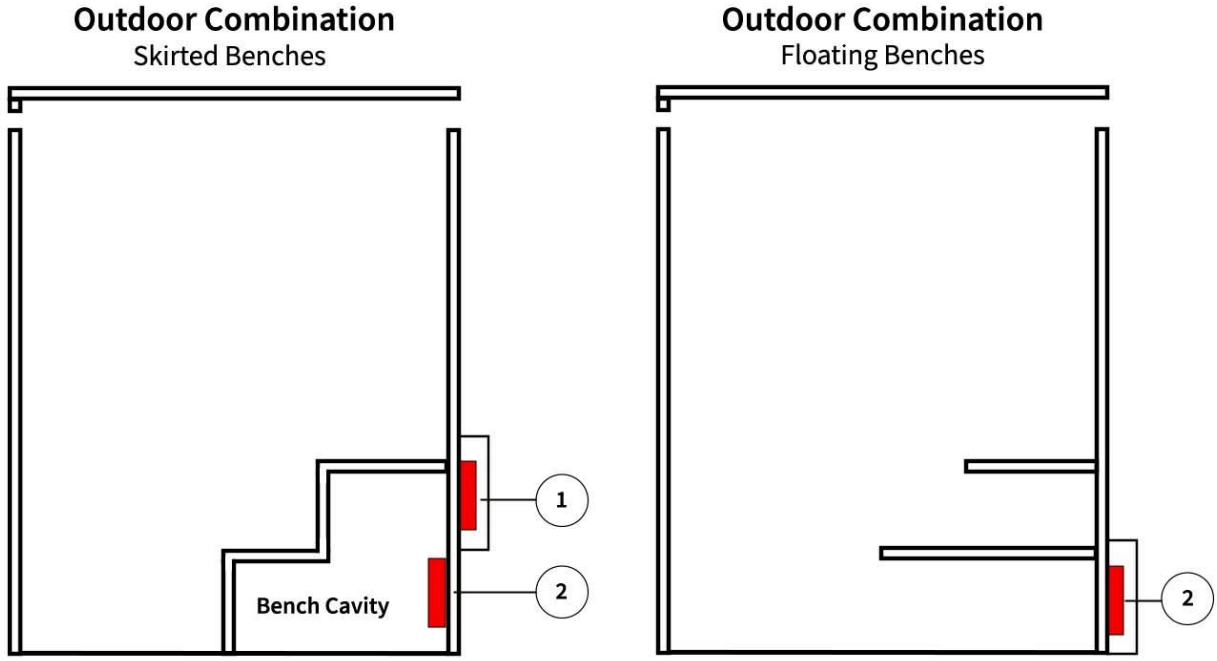

| Item No. | Location | Installation Notes |
|---|---|---|
| 1 | Outside Sauna Room | Waterproof exterior access panel. |
| 2 | Bench Cavity | Must be skirted benches, ensure access from removable bench skirt or bench top. |

## INDOOR POWER SUPPLY LOCATION (COMBINATION)



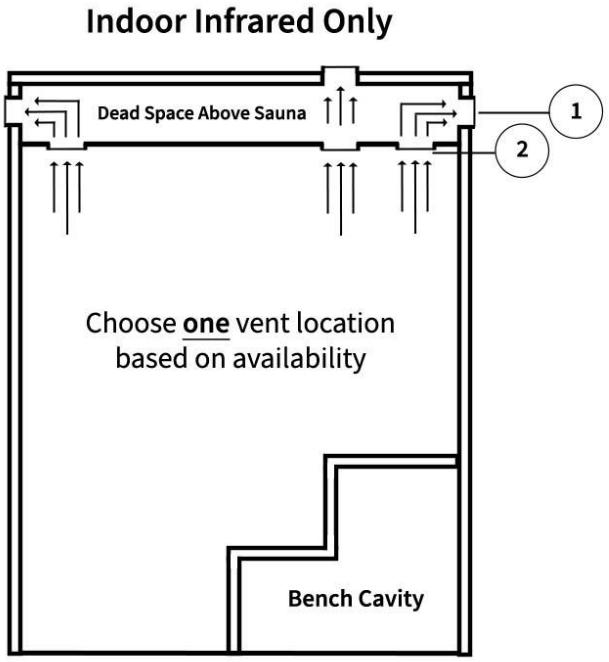

| Item No. | Location | Installation Notes |
|---|---|---|
| 1 | Bench Cavity | Must be skirted benches, ensure access from removable bench skirt or bench top. |
| 2 | Outside Sauna Room | Exterior compartment, ensure proper ventilation and access. |

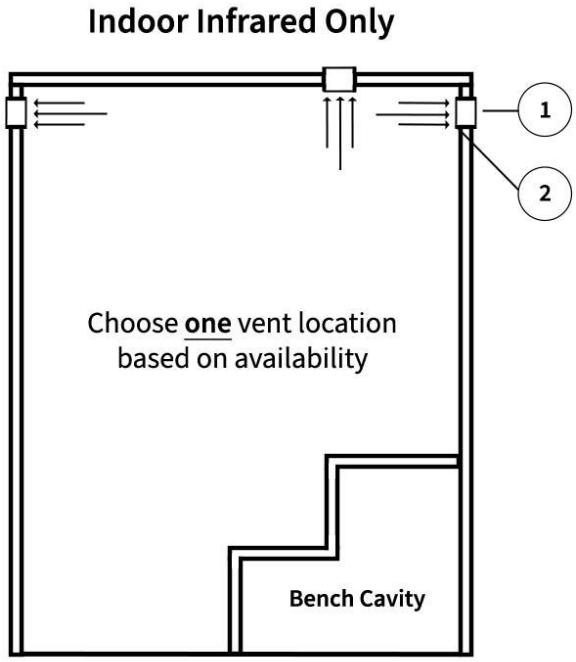
## OUTDOOR POWER SUPPLY LOCATION (COMBINATION)




| Item No. | Location | Installation Notes |
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| 1 | Outside Sauna Room | Waterproof exterior access panel. |
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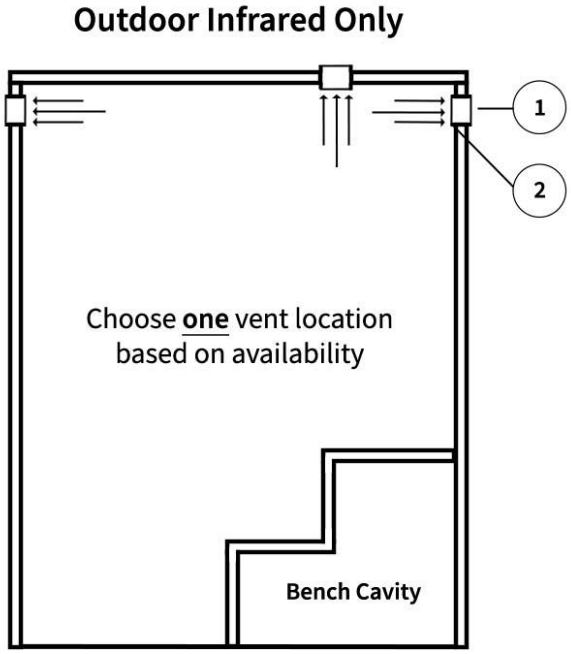
## INDOOR VENTILATION LOCATION (INFRARED ONLY)



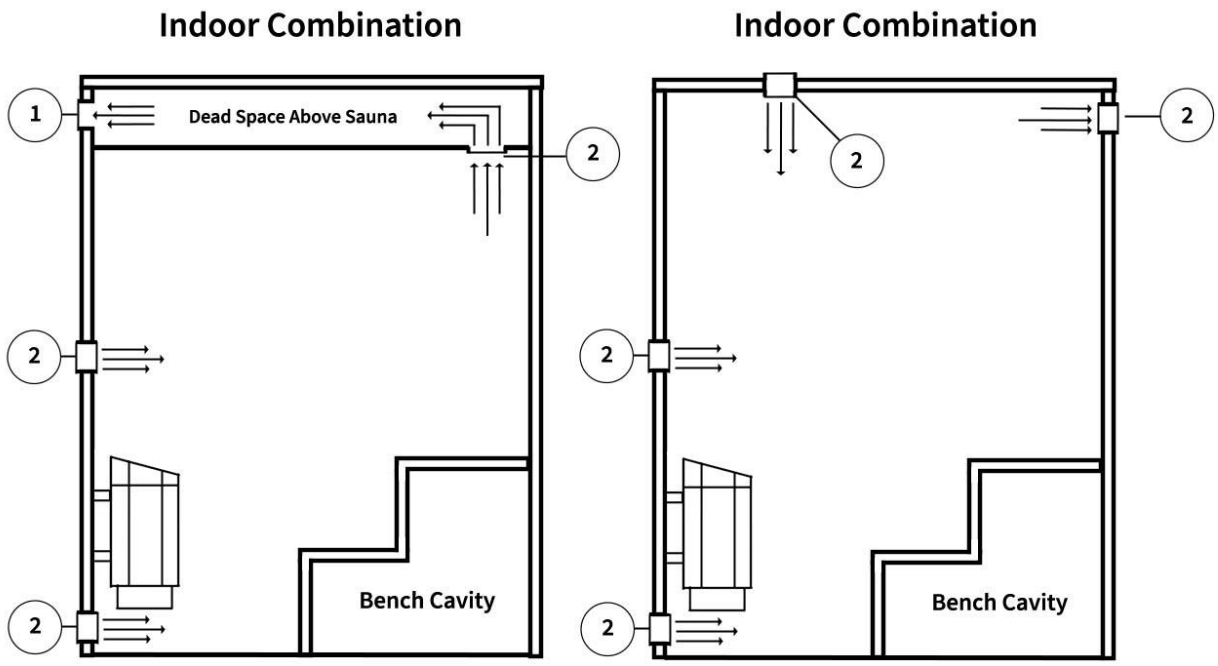

| Item No. | Item Image | Item Description | Size | SKU |
|---|---|---|---|---|
| 1 | | Air Return Grill | 3"H x 7"W | FDAIR1 |
| 2 | | Open / Close Vent | 3"H x 7"W | FDAIRV |

## OUTDOOR VENTILATION LOCATION (INFRARED ONLY)



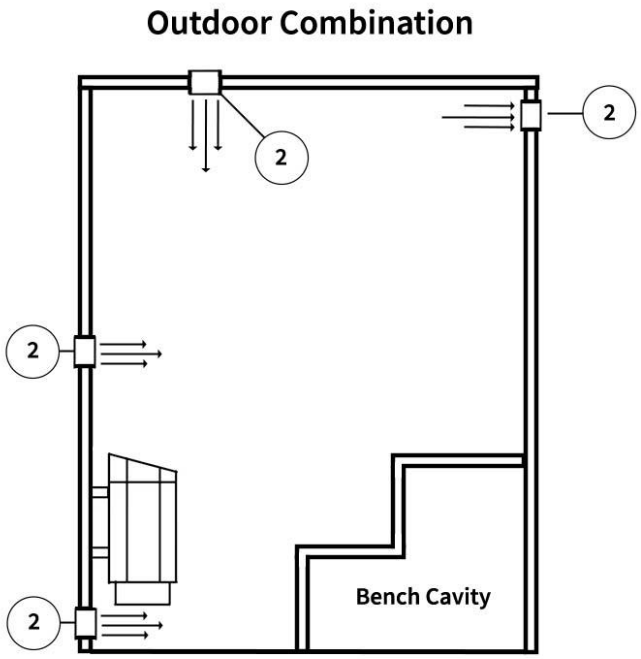

| Item No. | Item Image | Item Description | Size | SKU |
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## INDOOR VENTILATION LOCATION (COMBINATION)



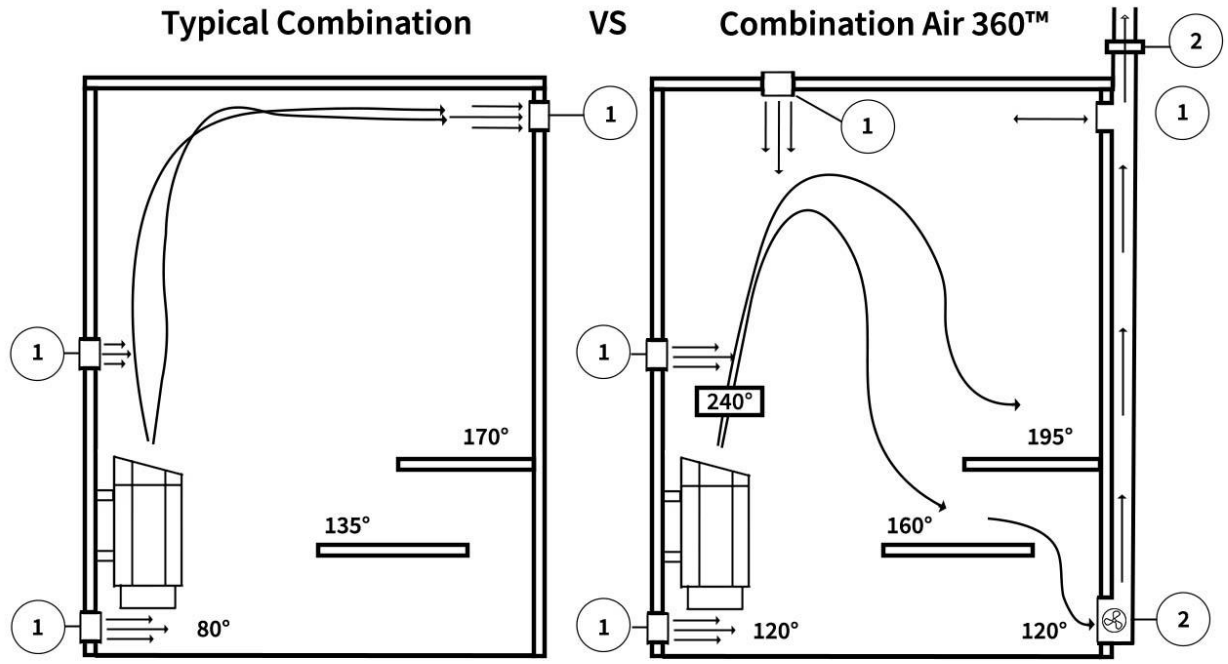

| Item No. | Item Image | Item Description | Size | SKU |
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## INDOOR VENTILATION LOCATION (COMBINATION)




| Item No. | Item Image | Item Description | Size | SKU |
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| 1 | | Air Return Grill | 3"H x 7"W | FDAIR1 |
| 2 | | Open / Close Vent | 3"H x 7"W | FDAIRV |

## COMBINATION AIR 360™




| Item No. | Item Image | Item Description | Size | SKU |
|---|---|---|---|---|
| 1 | | Open / Close Vent | 3" H x 7"W | FDAIRV |
| 2 | | Air 360° Mechanical Fan | 5" | FDAIR360 |

## PARTS LIST

| Part | SKU |
|---|---|
| Spectrum Plus infrared heater | SP250 \| SP300 \| SP350V \| SP208V |
| Steel frame with temperature resistant coating | SPSF-2 |
| Western Canadian cedar frame bezel | WCCF-R1 |
| Frame bezel wood screws | FBWS-1 |
| Commercial Grade V2 Power Supply | V2PS |
| IR Power Supply Extension Box | V2-EXT |
| 120v 15a power cable | 15PC |
| 120v 20a power cable | 20PC |
| 240v 15a power cable | 240PC |
| V2 Controller | V2PS |
| V2 Controller with WiFi | V2PS-W |
| V2 Controller data cable (3m) | V2DC |
| Temperature Sensor | V2TS |
| Temperature Sensor Mounting Plate & Clip | V2TSM |
| C14 Jumper Cable (1m) | 6EC |
| C14 Connectors – rewireable | C14-1 |
| 4-Pin Audio Cable | AC-180 |
| 4-Pin Lighting Cable | V2PC |
| 12v LED RGB Puck Lights | LEDBRGB |
| 12v LED RGB Strip Lights | LEDSTRP |
| 6" Marine Grade Audio Speakers | SPKR6M |
| Open / Close Vent | FDAIRV |
| Air Return Grill | FDAIR1 |
| Air 360° Mechanical Fan System | FDAIR360 |

## ADDING A TRADTIONAL HEATER



**COMBINATION SAUNA**
Spectrum Plus™ infrared sauna heaters can be safely added with a traditional steam heater.

The sauna installation configuration will change.

## POWER SUPPLY LOCATION



**EXTERIOR INSTALLATION**
Mount infrared power supply outside the sauna.

Power supply can be placed into an accessible, well-ventilated cabinet or mounted to the exterior of the sauna.

For outdoor applications a waterproof junction box must be installed.

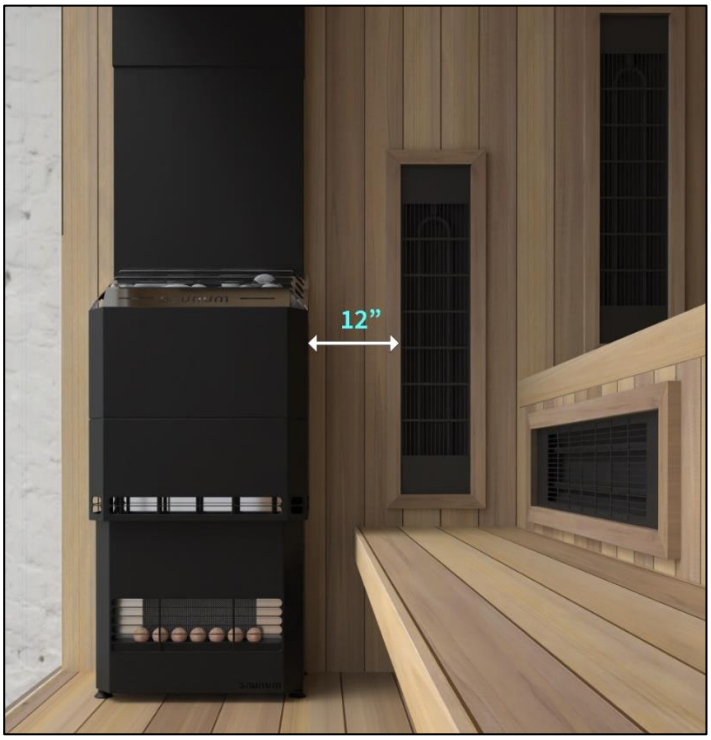
## CONTROLLER LOCATION



**EXTERIOR INSTALLATION**
You must mount our infrared controller on the outside of the sauna when combining a traditional steam heater.

For outdoor applications, the controller must be covered.

## HEATER LOCATION




**DISTANCE BETWEEN HEATERS**
The minimum distance between a Spectrum Plus™ infrared heater and a traditional heater is 12”.

**Do Not install** a Spectrum Plus™ infrared heater above any traditional heater.

## INFRARED TEMPERATURE SENSOR



**LOCATION OF SENSOR**
When pairing Spectrum Plus infrared heaters with a traditional heater, place the temperature sensor in the ceiling the farthest from the traditional heater.

**Do Not install** the temperature sensor withing 24” of a traditional heater.

## VENTALATION



**LOCATION OF VENTALATION**
Follow manufacturers guidelines for placement of traditional heater ventilation.

**Infrared ventilation** is best mounted on the opposite side of the sauna in the ceiling or back wall.

**TROUBLESHOOTING**

| | |
|---|---|
| **My power supply is plugged in but there is no power to the controller.** | Check the power supplies breaker located on the side. If the button is lose, there was not an interruption. If the button clicks, there was an interruption in power, reset by pushing in. |
| **My breaker was not interrupted, and I still do not have power to the controller?** | Check the power supplies high limit switch located on the side. Remove the red cap. If the button is lose, there was not an interruption. If the button clicks, there was an interruption in power, reset by pushing in. |
| **My controller turns on when I plug the sauna in but then it shuts right off.** | The V2 Controller needs to be reactivated by placing your finger on the screen for 2-3 seconds. Refer to the controller operating instructions. |
| **My speakers crack when music is playing.** | Your positive and negative are reversed. Swap the cables to solve the issue. |
| **I have power to my heaters, but the heater is not turning on.** | Spectrum Plus infrared heaters can take between 5-7 minutes to start feeling heat. If after 5-7 minutes without the touch of heat check your Neutral and Power connections. Contact manufacturer. |

| | |
|---|---|
| **My infrared temperature sensor and the traditional heater sensor do not provide the same reading.** | Infrared sauna temperature sensors are calibrated differently. Infrared sensors are calibrated using 5k NTC. Whereas sensors for traditional heaters can vary based on manufacturer. |
| **My power supply immediately shuts off and the breaker pops.** | Check wiring and load limits. Refer to your wiring schematic and amperage requirements. |
| **Why is there a slight smell coming from my infrared heaters?** | This is completely normal and will subside within the first 2-3 sessions of using the heaters. |

**INSTALLATION FAQ**

| | |
|---|---|
| **Can I choose to use less heaters than what's recommended?** | The recommended heater quantities are based on reaching and maintaining 160-170 degrees Fahrenheit. If you use less heaters, the time it takes to reach and maintain 165-170 F will increase. |
| **If I'm using a traditional heater, can I use fewer infrared heaters?** | If your bathing goal is to use both at the same time, you can use less infrared heaters and still maintain therapeutic heat. If your bathing goals are to have the ability to reach therapeutic heat while only using infrared heat only, you must follow recommendations. |
| **Can I operate a traditional heater at the same time as infrared?** | Spectrum Plus™ infrared heaters were specifically engineered for this purpose. Unlike carbon heaters, which will fail prematurely under high heat, moisture and steam, Spectrum Plus™ heaters will not. |
| **Can I sit against the infrared heaters?** | Spectrum Plus™ heaters were specifically engineered to project infrared heat 360 degrees using a half octagon reflector. This allows for the heat to be evenly distributed to minimize hot spots. This allows users the ability to sit against the heater. For the ultimate bathing experience, purchase an ergonomic backrest. |
| **Where is the best place to mount the temperature sensor?** | The temperature sensor must be mounted near the controller and at least 6" down from the ceiling. Heat rises, therefore mounting 6" from the ceiling will render the most accurate results. |
| **If I use a traditional heater with infrared, why can't I mount the controller inside?** | A traditional heater produces higher heat along with steam/moisture. Electronic components have a difficult time operating and keeping reliability standards under such harsh conditions. |
| **Can I mount the power supply inside the sauna?** | For infrared only sauna builds, the power supply and controller can be mounted inside of the sauna. |

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