


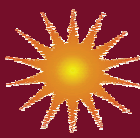
Distributed in Canada by: Power Plant Supply Co

<http://powerradiantfloorheat.com/index.html>
<mailto:atlantic@powerplantsupplyco.com>



H E A T W A V E[®]

**Installation Manual
Operating Manual
Warranty Registration**



Distributed by: Power Plant Supply Co Canada

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General Information

The instructions in this manual must be followed when preparing and installing the Heatwave Mat Floor Warming System. This manual and the installation layout should be made available to all installers and the electrician working on the job. Both should then be turned over to the homeowner after the installation is complete.



NOTE: FAILURE TO FOLLOW THE INSTRUCTIONS IN THIS MANUAL MAY VOID THE HOMEOWNER'S WARRANTY ON THE FLOOR-WARMING SYSTEM.

Temperature and Time Control

For optimal control of the Heatwave Floor-Warming System, one can use a Floor-Sensing Thermostat such as the Heatizon Systems M317G, M317G240, M337G, or M337G240. The temperature sensing is accomplished by placing a sensor in the heated area under the flooring surface. These versatile units can be programmed to operate at varying temperatures for different time periods on a daily basis. Another beneficial feature of the Heatizon series of Thermostats is the internal GFCI. Heatwave floor-warming systems can also be regulated by one of the following: an ON/OFF switch, a programmable timer, or a manual floor-sensing thermostat. Please contact the Heatizon Sales Department at 1-888-239-1232 for further details. Control installation guidelines are listed on pages 3 and 4 of this manual.

Maintenance

The Heatwave floor-warming system has no moving parts and is virtually maintenance-free. The GFCI (Ground Fault Circuit Interrupt), internal to the thermostat if Heatizon Systems supplied it, should be tested monthly as described in the manufacturer's pamphlet to insure its continued safe operation. If an external GFCI is utilized instead, it should also be tested monthly.

Subfloors

Heatwave may be installed over any well-insulated subfloor (i.e. plywood, concrete, or underlayment material) prepared in accordance with the most recent TCA (Tile Council of America) guidelines and rated to withstand 180 degrees Fahrenheit.

Floor Coverings

Heatwave will be most effective if installed under rigid floors that are naturally good conductors of heat such as ceramic tile, marble, and other stone floorings. There are limitations in applications that utilize different floor coverings. Please consult with your Heatizon Systems Distributor for details on heating wall-to-wall carpeting, and parquet or engineered wood floors.

Insulation

Heatwave will be most effective and efficient if installed over well-insulated areas. Insulation will minimize heat loss into the subfloor (i.e. concrete slab), allowing the heat to transfer to the surface more quickly.





Planning the Installation

Before laying the Heatwave Floor-Warming system, review the installation layout and verify that all dimensions match the field dimensions. The installation plan should include the following:

1. Placement, direction, and dimensions of the Heatwave heating mat
2. The starting and ending points of each mat
3. The location of the thermostat or other suitable controller
4. The location of the floor sensor

REMEMBER! The installation plan for each area should be attached to this manual and be provided to the building owner when the installation is complete.

Installation Considerations

DO

1. Completely inspect the Heatwave System immediately upon its arrival and report any damage to Heatizon Systems and the delivery party.
2. Clean the floor of all debris before placing the mat on the floor.
3. Make sure there are no protruding objects (nails, staples, etc.) on the subfloor that could damage the heating element.
4. Walk over the unprotected mat with rubber soled shoes.
5. Measure and record mat resistance according to the instructions.
6. Use mats connected to the same controller or used in the same room or area, that have the same heat output. ALL mats should be EITHER 10 watts/sq. ft. OR ALL 15 watts/sq. ft.
7. Make sure all components of the system are rated for the same Voltage (120V OR 240V).
8. Have all electrical work completed by a professional electrician in accordance with all local and national codes.
9. Connect Heatwave to a Dedicated Circuit.
10. Call our Technical Support Hotline at 888-239-1232 if you need answers to installation questions, need help solving a problem, or believe that the Heatwave system got cut or damaged during installation.

DON'T

1. DON'T shorten the heating mat.
2. DON'T cut the heating wire.
3. DON'T drop or bang any tools (i.e. trowel) on or hit the heating wires with any sharp objects.
4. DON'T install any fasteners such as nails, screws, etc. through any area covered by the Heatwave mat.
5. DON'T install Heatwave under cabinets, built-in appliances, etc. to avoid excessive heat from building up in those areas.
6. DON'T install mats over expansion joints.
7. DON'T install Heatwave in walls.
8. DON'T install Heatwave in showers.
9. DON'T overlap mats or allow any wires to cross or touch each other.
10. DON'T crimp the heating wire while customizing the mat.
11. DON'T place area or throw rugs thicker than ½" (or other objects) over the heated area to avoid excessive build-up of heat in these areas.
12. DON'T attempt to repair cut or damaged heating wire without the proper instructions and repair kit (obtained from your distributor or Heatizon Systems).
13. DON'T forget to install the floor sensor if you are installing a floor-sensing thermostat.
14. DON'T install Heatwave in glues other than cement-based tile-setting mortars.



Important Safeguards and Warnings

WARNING: Shock and fire hazard

If the Heatwave System is damaged or not installed properly, fire or shock could occur resulting in serious personal injuries or damage to property. You must carefully follow the warnings and instructions contained in this manual.

- An approved Heatizon thermostat must be used.
- It is important that this equipment is installed only by qualified electricians who are familiar with the proper sizing, installation, construction and operation of floor warming system and the hazards involved. The installation must comply with all national and local electrical codes. If you are unfamiliar with these requirements, contact the NEC (National Electric Code), CSA (Canadian Standard Association) or an electrician.
- The Heatwave System is designed for under floor heating purposes only. Be sure that the floor is not penetrated by nails, screws, or similar devices that can cause damage during and after installation or during subsequent or future floor work .
- If the Heatwave System is damaged, it must be replaced. Do not attempt to splice or repair any part of the system.

1 General Guidelines

1.1 Use of the Manual This manual describes the Heatwave floor heating system — how to design the room, select the product, and install the system. It is important to thoroughly review this manual and the Thermostat Installation and Operation Manual prior to installation:

For additional information regarding any aspect of the Heatwave System, contact:

Heatizon Systems
4137 South 500 West
Murray, UT 84123 USA
Tel: 888-239-1232
Tel: 801-293-1232
Fax: 801-293-3077
www.heatizon.com

1.2 Safety Guidelines

The safety and reliability of any floor heating system depends on proper design, installation, and testing. Incorrect installation or mishandling of the product can cause damage to the heating cable, system components and property, and can create a risk of fire or shock. The guidelines and instructions contained in this guide are important. Follow them carefully to minimize these risks and to ensure that the Heatwave system performs reliably.

Pay special attention to the following:

- Instructions marked  IMPORTANT
- Safety warnings identified as  WARNING



1.3 Remember to measure resistance

The resistance should be measured between the two conductors, white and black. Compare this resistance reading to the resistance specified in the Product Selection “Table 1.” The value should be within $\pm 10\%$. If you get a different reading, contact Heatizon Systems at 888-239-1232. Also, measure the resistance between the white, black and shielding/ground wire. Both should read infinity. If you get a different reading, contact Heatizon Systems at 888-239-1232. Please refer to “5 Commissioning” for instructions on how to measure the resistance.



Important: measure the resistance four times during the installation process

Remember to always measure, verify and record the actual resistance throughout the installation process (out of the box, after installation, after thin set cement or self-leveler application and after installation of floor tiles).

1.4 Fifteen-year Limited Warranty

For a period of fifteen (15) years from the date of purchase Heatizon warrants that the Heatwave heating cable is free from defects in material, design and workmanship. The extended warranty is only valid if the warranty certificate has been properly completed and mailed, and the installation is in accordance with the installation instructions.

2 Heatwave System

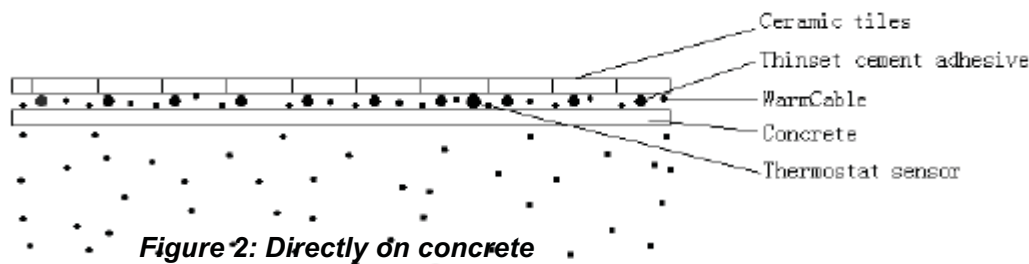
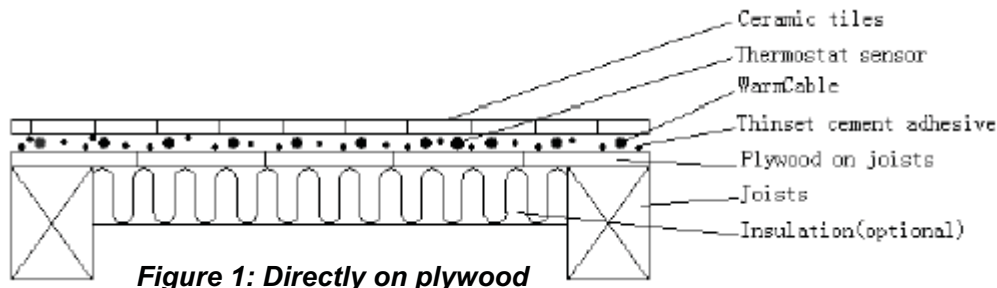
2.1 Heatwave Specifications

Cable Construction:	Twin conductor
Rated Voltage:	120V,240V
Output:	12W/ft ² (130W/m ²) $\pm 10\%$
Cable spacing:	3" (76.2mm)
Cable Diameter:	1/8"-1/6" (3.2mm-4.2mm)
Conductor Insulation:	fluoropolymer
Outer Insulation:	fluoropolymer or TPE
Max. Ambient Temp.:	85°F (30°C)
Min. Installation Temp.:	40°F (5°C)
Cold lead	2-wire 16 AWG plus ground braid; 10ft (3m) length

2.2 Thermostat Specifications

Functions:	On/Off control, digital display, 7-day programmable
Supply Voltage :	120/240 V $\pm 15\%$, 50/60 Hz
Maximum switching current :	16 Amp
Temperature control range :	40 to 104°F (5 to 40°C)
Ambient range :	32 to 104°F (0 to 40°C)
Floor temperature sensor :	2-wire, 10-foot lead wire

2.3 Heatwave typical installations and applications



Alternative method: self-leveling cement is recommended for large surfaces and the following floor materials: engineered wood, laminate, floating floors, vinyl, linoleum and carpet.



Warning

Consult the manufacturer for information on special installation requirements for wood, laminate and vinyl or linoleum flooring.



Important

- Read the instructions carefully before installing Heatwave system.
- Remember to measure the resistance four times.
- Do not install Heatwave in walls or ceilings.
- The cable must be embedded in mortar, thinset, concrete or similar material.
- The minimum installation temperature is 40°F (5°C).
- The heating cable cannot be cut to length, crossed over itself, or installed too close.
- It is recommended to use copper wire only.
- Remember to check that the supply voltage matches the voltage of the Heatwave.
- Remember to place the labels as written in this instruction.
- Only for indoor installation.
- Metal structures or materials used for the support of or on which the Heatwave is installed must be grounded in accordance with CSA Standard C22.1, section 10 and the NEC.

Please consult Heatizon Systems for any other questions or advice.

3 Floor Heating Design and Product Selection

3.1 Design the Installation



Step 1: Measure the heated area

Determine the heated area of the floor where there are no permanent fixtures or furniture such as showers, toilets, vanities, or cabinets. Measure the heated area of the floor. For example, in Figure 3, the area of the bathroom is 96 ft². When you subtract the area of the vanity, shower and toilet, the total heated area is only 74 ft².

Step 2: Determine the power supply voltage

The available supply voltages include 120 V, 208 V or 240 V.



Important

Operating the 240V cable at 208V reduces the power output to approximately 9W/sq.ft. (25% reduction)

Step 3: Plan the design

Determine the optimum floor heating mat layout for your heated area to ensure coverage. Select a spot for the thermostat in the wall above the heated area where it can be reached by the 10-foot cold lead on the Heatwave, and the 10-foot floor temperature sensor. Please refer to Figure 4.



Important

The predetermined Heatwave spacing must be maintained to ensure proper floor heating. Do not change the Heatwave heating cable spacing when you lay out the cable or the floor may have cold spots.

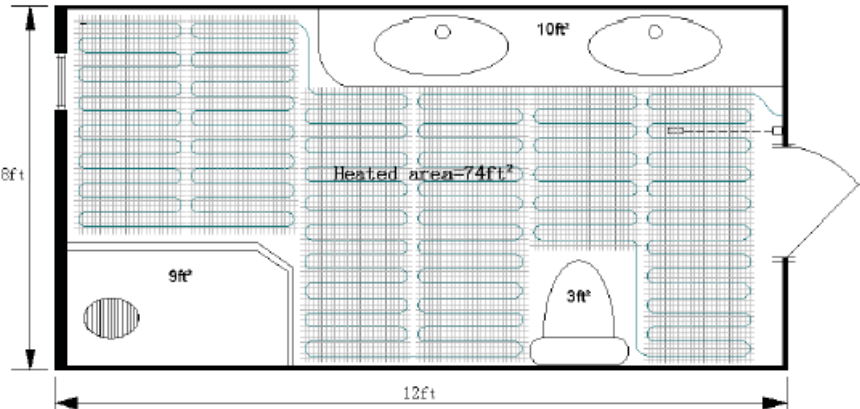


Figure 3: Heated area example

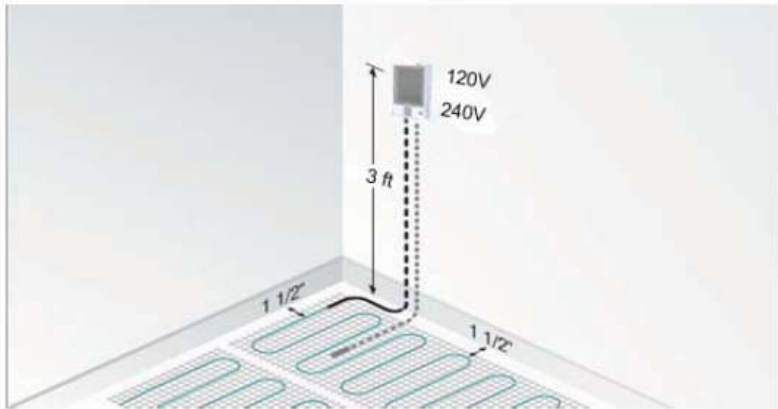


Figure 4: Typical cold lead and floor



3.2 Confirm Your Product Selection

Confirm that your Heatwave is no larger than the heated area. Following the example from Figure 3, if the heated area is 74 ft², select the 70 ft² Heatwave system.

Table 1:120V Product Selection

120V Part Number	Heated Area		Mat Dimensions		Watts (12W/sq. ft.)	Amps ohms	
	sq.ft.	m2	in. x ft	m x m			
HW2012-200	20	1.86	20 x 12.2	0.5 x 3.7	240	2.0	60.0
HW2012-300	30	2.79	20 x 18.3	0.5 x 5.6	360	3.0	40.0
HW2012-400	40	3.72	20 x 24.4	0.5 x 7.4	480	4.0	30.0
HW2012-500	50	4.65	20 x 30.5	0.5 x 9.3	600	5.0	24.0
HW2012-600	60	5.57	20 x 36.6	0.5 x 11.1	720	6.0	20.0
HW2012-700	70	6.50	20 x 42.7	0.5 x 13.0	840	7.0	17.1
HW2012-800	80	7.43	20 x 48.8	0.5 x 14.9	960	8.0	15.0
HW2012-900	90	8.36	20 x 54.9	0.5 x 16.7	1080	9.0	13.3
HW2012-1000	100	9.29	20 x 61.0	0.5 x 18.6	1200	10.0	12.0

4 Installation



Important: Tools and materials required

You will require the following items to install and test the floor heating system:

- Scissors
- Utility knife
- Wire strippers
- Tape measure
- Screwdriver
- Multimeter

You will also need the appropriate tools and materials to install your particular floor. These will likely include products like self-leveling mortar, thin-set mortar, backer board, tile, a notched trowel, and any other tools for your specific floor.

Follow these steps to ensure a successful Heatwave installation.

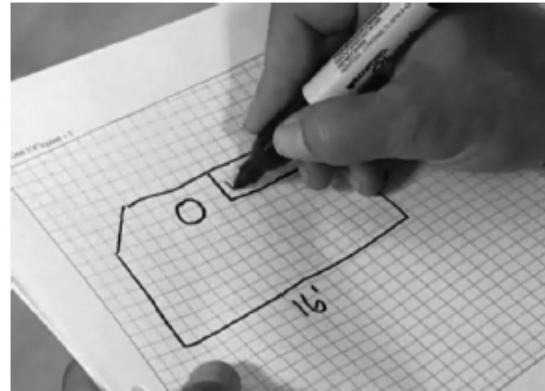
Step 1: PLAN LAYOUT

Make a sketch layout or a floor plan of the room; include all permanent furnishings such as toilets, bathtubs, appliances, cabinetry, etc. Indicate all dimensions required to determine the available floor area and the position of the thermostat.



Important

Heatizon recommends that the installation is documented with photos to note the location of connections and the sensor.



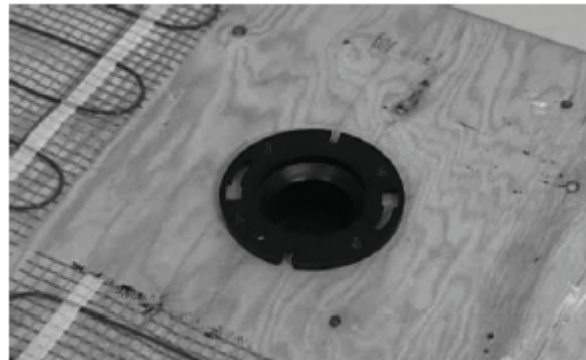
Step 2: TRANSFER LAYOUT TO FLOOR

Draw an outline of the layout on the room floor including a foot print of all furnishings that are not yet installed. Unroll the first few feet of the Heatwave. The starting point of the cable must be placed within 10 ft. from the thermostat.



Important

Mark the position of the connection point between the power lead and the blue Heatwave heating cable. **This connection must be concealed in thinset or self-leveling cement.** When using a floor temperature sensing thermostat, mark the sensor position in the middle of two heating cables, about 10 in. (25cm) away from the wall (within the heated area), as close as possible to the thermostat.



Step 3: INSTALL SENSOR

If using a floor temperature sensing thermostat, install the sensor now, either in conduit tube, or directly to the subfloor. It is recommended that the sensor be installed in conduit tube. This will allow the sensor to be easily replaced in the unlikely event of failure. The sensor and/or tube needs to be installed between the thermostat wall box and the sensor position. The conduit tube must be partially countersunk into the subfloor. Cut a channel approximately 5/16" deep × 5/16" wide in the floor and wall up to the thermostat for the sensor conduit. The conduit has to go from the thermostat and minimum of 10" away from the wall towards the middle of the floor.





Important



The sensor conduit must be centered in the cable loop (between two blue heating wires). Use duct tape to close the end of the conduit so that thinset can't penetrate the conduit. Use duct tape to hold the sensor conduit into the groove to prevent it from

Step 4: PREPARE SUBFLOOR SURFACE

Clean and vacuum the floor thoroughly and remove dust and debris from the floor that may damage the heating cable. Ensure that the subfloor is secure and stable. Carefully fill in all cracks to prevent any potential damage to the new tiles resulting from shifts in the subfloor.

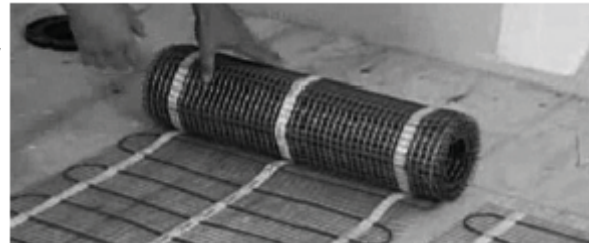


Step 5: MEASURE THE RESISTANCE (TEST #1)

Use a digital ohm meter to measure the resistance of the Heatwave and compare it to "Table 1." Record the measured resistance on the Registration Form. Documenting the resistance at each stage of installation is required for warranty purposes. Also, measure the resistance between the white, black and shielding/ground wire. Both should read infinity. Please refer to "5 Commissioning" for instructions on how to measure the resistance.

Step 6: BEGIN LAYING THE HEATWAVE

An adhesive has been added to the bottom of the mat which will prevent the mat from moving during installation. Start by placing the mat such that the connection point and the temperature sensor are in their intended positions and bring the power cable to the thermostat or connection box. Begin unrolling the Heatwave evenly across the floor outside the areas that you marked previously. The adhesive on the mat is made such that the mat may be moved several times before it loses its adhesiveness. When you reach the next wall, cut the mesh, turn the mat, and begin rolling in the desired direction.



NEVER CUT OR SHORTEN THE BLUE HEATING CABLE!

Ensure that the Heatwave is in full contact with the subfloor at all times. Avoid walking on the heating mat. If this is not possible, use shoes with very soft rubber soles. When approaching obstacles (toilets, cabinets, etc.), carefully remove some of the blue heating cable from the mat and lead the cable around the obstacle. In some cases pieces of the mesh will be cut away entirely.



Remember to never cut the blue cable.



Never place blue cable within 6" of a wax toilet ring.

Use hot melt glue or a thin strip of tape to secure the loose cable to the floor.

It is highly recommend to take photographs of the installed Heatwave before installing the flooring.

Step 7: MEASURE THE RESISTANCE (TEST #2)

Please refer to Step 5.

Step 8: INSTALL FLOOR COVERING

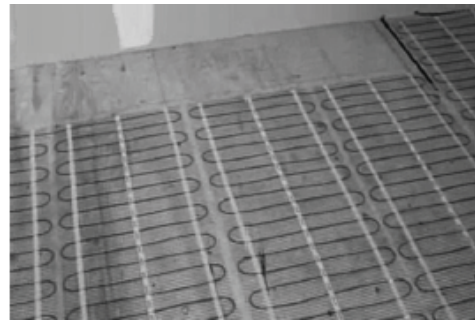
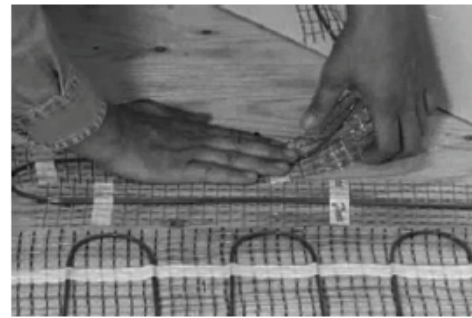
ENSURE THAT THE SENSOR CONDUIT HAS BEEN PROPERLY INSTALLED BEFORE PROCEEDING (see Step 3).

In the case of tiles, proceed with the installation of the tiles by covering the heating cables with a layer of thin-set cement as directed by the tile manufacturer. Ensure that the thin-set mortar covers the entire height of the heating cable as the tiles are installed. In the case of a wood, engineered or laminate floor covering, it is recommended that the flooring manufacturer be contacted. For wooden floors, a minimum of 3/16 in. of self-leveling cement over the heating cable is recommended. Ensure that all moisture in the self-leveling cement has been fully eliminated in accordance with the drying times recommended by the manufacturer (consult the manufacturer for exact drying time) prior to energizing your Heatwave product. Do not use Heatwave to dry self-leveling or other cementitious material.



Important

The system must not be turned on until the thinset, cement, or other cementitious material has fully dried. A minimum of two weeks is recommended.





Step 9: MEASURE THE RESISTANCE (TEST #3)

Please refer to Step 5.

Step 10: INSTALL THE TILE

To install the tile, apply a layer of acrylic or latex modified thin-set using the ridged side of your trowel. Tile and grout the floor using best industry practices and in accordance with instructions provided by the manufacturer of the tile.

Step 11: CONNECT POWER SUPPLY AND THERMOSTAT

The connection of the power supply and the thermostat must be done by a qualified electrician in accordance with the National Electrical Code (NEC) and the Canadian Electrical Code (CEC). The electrician should connect the floor sensor to the thermostat, take the final resistance reading and record it on the Registration Form, see Step 13.

Note: You need to mark the appropriate circuit breaker reference label indicating which branch circuit supplies the circuits to those electric space heating cables.

Step 12: MEASURE THE RESISTANCE (TEST #4)

Please refer to Step 5.

Step 13: RECORD INFORMATION AND AFFIX LABELS

It is important for the homeowner to mail in the warranty certificate immediately after installing the system (Heatwave Mat and Thermostat). Failure to do so could void the manufacturer's warranty. The warranty is subject to the guarantee conditions listed on the warranty certificate. Keep a copy of the Registration Form for your reference.

Place the included label "Electric Shock or Fire Hazard" on the inside of the electrical power distribution panel.

Step 14: ENJOY THE COMFORT OF HEATWAVE

The Heatwave heating system is now ready to use. Increase the floor temperature gradually and adjust it until it reaches a comfortable level depending on the type of room and your personal preferences.

<http://powerradiantfloorheat.com/index.html>

<mailto:atlantic@powerplantsupplyco.com>

5 Commissioning



Important

For the extended 15-year limited warranty to apply, you must perform these tests, record the results on the Registration Form, and retain a copy of the record.

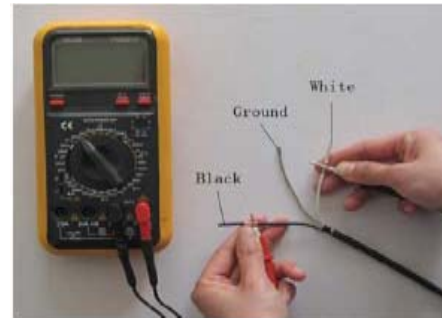
You must perform the Insulation Resistance Test, the Heating Cable Resistance Test, and the Sensor Resistance Test four times (Please refer to 4 Installation) during the installation process.

5.1 Insulation Resistance Test

This test ensures that the insulating jackets of the mat are not damaged. A low value indicates the cable has been damaged and must be replaced.

- A. Connect the ground wire to the black lead and both power wires to the red lead of the multimeter.
- B. Make sure the meter reads “Open” or “OL.” If you get a different reading, contact Heatizon at 888-239-1232.
- C. Record these readings on the Registration

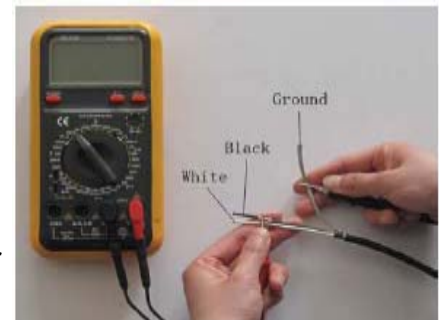
Form.



5.2 Heating Cable Resistance Test

This test measures the resistance of the Heatwave and is used to determine circuit integrity.

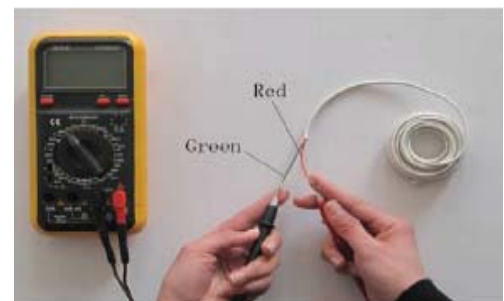
- A. Set your multimeter to the 200 or 2000 ohm range.
- B. Connect the multimeter leads to the black and white cold lead wires.
- C. Compare this resistance reading to the resistance specified in the Product Selection “Table 1 or Table 2”. The value should be within $\pm 10\%$. If you get a different reading, contact Heatizon at 888-239-1232.
- D. Record these readings on the Registration Form.



5.3 Sensor Resistance Test

This test measures the resistance of the floor sensor and is used to verify the sensor integrity.

- A. Set your multimeter to the 200K ohm range.
- B. Connect the multimeter leads to the red and green lead wires.
- C. Make sure the meter reads between 9-25K ohms. If you get a different reading, contact Heatizon at 888-239-1232.



6 Troubleshooting



Symptom	Probable Causes	Corrective Action
Floor doesn't heat	No voltage.	Check circuit breaker.
	Circuit breaker tripped.	Ensure that there are not too many appliances connected on the same circuit. The Heatwave Mat may require a dedicated circuit. See the Product Selection "Table 1" of this manual
	Ground-fault tripped in the thermostat.	Refer to Thermostat Installation and Operation Manual.
	Thermostat not turned on	Refer to Section 4 of this manual and the Thermostat Installation and Operation Manual
	Cable not connected to thermostat	Refer to Thermostat Installation and Operation Manual.
	Floor temperature sensor not connected	Refer to Thermostat Installation and Operation Manual.
	Faulty sensor.	Contact Heatizon Systems at 888-239-1232.
Floor warm all the time	Clock not set correctly.	Refer to Thermostat Installation and Operation Manual.
Floor not warm enough	Thermostat setting not set correctly	Refer to Thermostat Installation and Operation Manual.
Installation instructions		Download Heatwave Mat Installation instructions from www.heatizon.com



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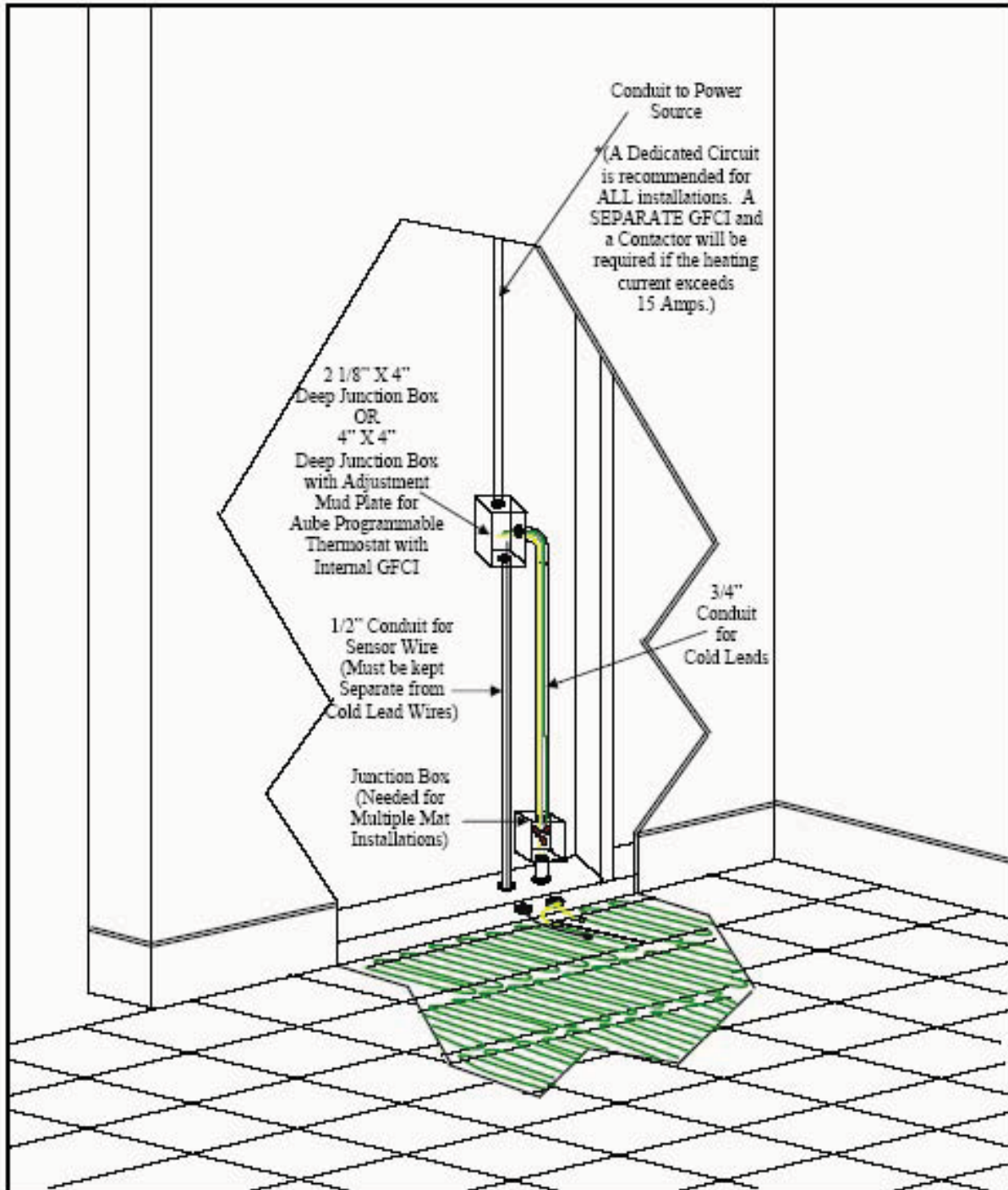
<http://powerradiantfloorheat.com/index.html>
<mailto:atlantic@powerplantsupplyco.com>

Note: All Electrical Connections for the Heatwave Floor-Warming System and Controls should be performed by a Professional Electrician in accordance with all Local and National Electrical Codes.



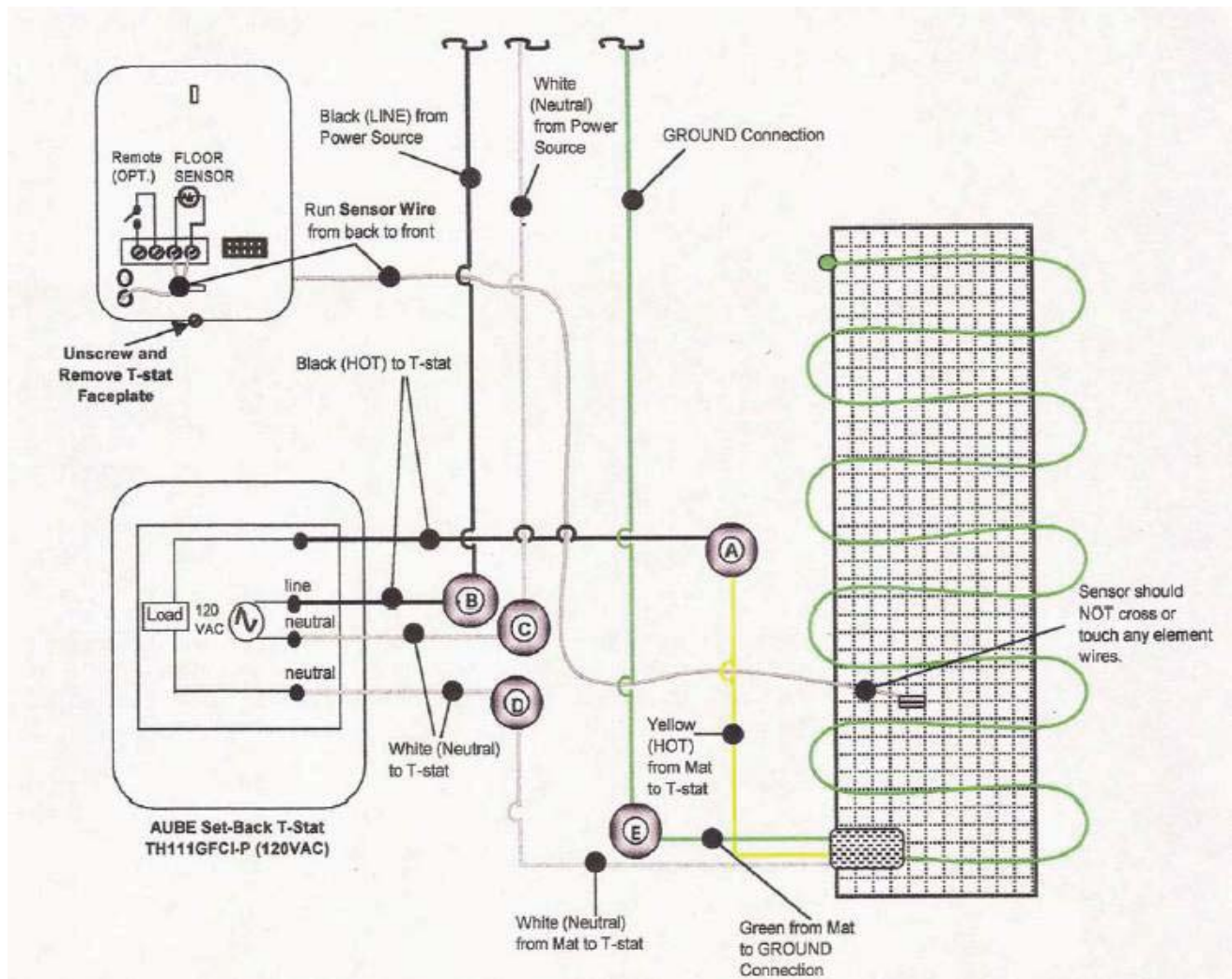
Electrical Connection Details — M337G and M337G240 Programmable Thermostats, or M317G and M317G240 Non-Programmable Thermostats

A deep, 2 1/8" X 4" single-gang junction box (OR a "roomier" 4" X 4" double-gang box with a mud plate) should be provided by the electrician for the thermostat connections. See Rough-In Electrical Preparation Diagram, below.



Wiring Diagram for 120 Volt Thermostats

- M317G Non-Programmable Thermostat and
- M337G Programmable Thermostat



Use Wire Nut (A) to connect the Yellow (HOT) from the Mat to the Black (Load) from the T-stat.

Use Wire Nut (B) to connect the Black (120V LINE) from the Power Source to the Black (120V) from the T-stat.

Use Wire Nut (C) to connect the White (Neutral) from the Power Source to the White (Neutral) from the T-stat.

Use Wire Nut (D) to connect the White (Neutral) from the Mat to the White (Neutral) from the T-stat.

Use Wire Nut (E) to connect the GREEN from the Mat to the GROUND Connection.

SENSOR CONNECTION:

Unscrew & remove the t-stat faceplate. Run the sensor lead wire from the back of the t-stat thru one of the 2 small holes at the bottom left of the unit. Connect the sensor wire to terminals 3 and 4 labeled Floor Sensor.

Heatwave Limited Warranty



Heatizon Systems warrants the Heatwave product to be free of defects in materials and workmanship for 15 years from the date of installation while in possession of the original owner, provided:

1. The product is installed and tested in accordance with the Installation/ Homeowners Manual and Heatwave Resistance Documentation Procedures.
2. The installation is registered with Heatizon Systems within 10 days of the installation date. This registration is accomplished by the installer and/or homeowner, who must complete and return the Installation Registration Form to Heatizon Systems (at the address given below).
3. The product was not damaged or misused by the homeowner or any tradesman/agent of the owner. Heatizon Systems takes no responsibility under this warranty for damage caused by the homeowner or tradesman retained by the homeowner to install the Heatwave product.

Heatizon Systems staff will be available to provide advice and consultation to the installers of the Heatwave product to assure that they are informed concerning the procedures required to complete a proper installation. Controls used to operate the Heatwave product are warranted by their manufacturers according to their warranty policies. Under this Limited Warranty, Heatizon Systems will, at its option, provide either or both of the following:

- A. Technical support (by phone) to assist the installer(s) in isolating the problem area. If deemed repairable, the appropriate repair kit shall be provided. In such a case, ALL OTHER MATERIALS AND LABOR necessary to complete the repair of the affected area must be supplied by the homeowner.
- B. Credit for the faulty Heatwave product up to the limit of the original price of the Heatwave product used in the installation, as Heatizon Systems' sole obligation under this LIMITED warranty.

This LIMITED Warranty is null and void if the owner does not inform Heatizon Systems of the problem within thirty (30) days of it's discovery OR if the homeowner or any tradesman retained by the homeowner attempts to repair the problem without informing and consulting with a staff member of Heatizon Systems regarding the appropriate testing and/or repair procedures.

HEATIZON SYSTEMS DISCLAIMS ANY WARRANTY NOT PROVIDED HEREIN INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. HEATIZON SYSTEMS FURTHER DISCLAIMS ANY RESPONSIBILITY FOR LOSSES, EXPENSES, INCONVENIENCES, SPECIAL, INDIRECT, SECONDARY, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING FROM OWNERSHIP OR USE OF THE PRODUCT. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE FACE HEREOF.

Heatizon Systems

In Canada for all in-floor heating, floor heating, heated floors, electric floor heating, floor warming, room heating, warm floor, radiant floor, radiant heating, electric radiant heating, heated ramps, roof de-icing, gutter deicing, snow melting, snowmelting, snow-melting, heated driveway, pipe tracing, heat trace, heat tracing, snow removal, automatic snow removal, tank heating Power Plant Supply Co has convenient shipping warehouse locations in Canada, to serve customers in Ontario, ON, Quebec, QC, Atlantic Canada, including New Brunswick, NB, PEI, Nova Scotia, NS, Newfoundland & Labrador, NL, British Columbia, BC, Alberta, AB, Manitoba, Man, Saskatchewan, SK, Nunavut, Northwest Territories, NWT, Yukon. Next day Air or convenient ground to major cities including Vancouver, Calgary, Edmonton, Fort McMurray, Winnipeg, Yellowknife, Thunder Bay, Hamilton, Toronto, Ottawa, Montreal, Quebec City, Saint John, Moncton, Fredericton, Charlottetown, Halifax, Sydney, Corner Brook, St John's.

120V Heatwave Mat Installation Registration Form



Instructions: This form must be completed and returned for each installation. A copy should be retained by the homeowner. An installation is defined as each individual space or room in which Heatwave is installed such as a bathroom, kitchen, sunroom, etc. Each Heatwave shipment includes the following information essential to the proper installation of the products: Installation/Homeowners Manual, Wiring Diagrams, and Theoretical Ohm Readings necessary to test the products. If any of this information is missing from the shipment, please call your dealer or our service department at 1-888-239-1232.

TO INSURE WARRANTY PROTECTION FOR THE INSTALLATION(S), THE HOMEOWNER OR INSTALLER MUST COMPLETE ALL THE INFORMATION BELOW FOR EACH INSTALLATION AND RETURN THIS FORM TO HEATIZON SYSTEMS AT THE ADDRESS LISTED BELOW WITHIN 10 DAYS OF THE COMPLETED INSTALLATION.

I. Installer Information:

Installer's Name: _____ Installation Date: ____-____-____
 Business Address _____
 Phone Number: ____-____-____ Fax Number (if available): ____-____-____
 Name of Company (from which Heatwave was purchased) _____

II. Owner Information:

Owner's Name: _____
 Home Address: _____
 Phone Number: ____-____-____ Fax Number (if available): ____-____-____
 Name of Space and Location in Structure where installed: _____

III. Products Used in Installation: (List Each Mat on a Separate Line)

Mat Number	Size	Total Watts	Volts	RESISTANCE IN OHMS														
				Received		After Mat is Customized/Cut			After Mat is Stapled or Bound to Subfloor/Underlayment			After Mat is Embedded in Thinset or Mortar			After Tile has Been Installed on Top of Mat			
				Hot to Neutral	Hot to Neutral	Hot to Ground	Neutral to Ground	Hot to Neutral	Hot to Ground	Neutral to Ground	Hot to Neutral	Hot to Ground	Neutral to Ground	Hot to Neutral	Hot to Ground	Neutral to Ground		
SAMPLE	1 x 50	750	120	19.2	19.2		None	None	19.2	None	None	19.2	N	one	None	19.2	None	None
#1																		
#2																		
#3																		
#4																		
#5																		
#6																		

Confirmation: The above information was measured and recorded correctly as indicated on the measuring instrument, and the enclosed drawing shows the final layout of the products and the electrical connections.
 Installer's Signature: _____

Heatizon Systems
 4137 South 500 West
 Murray, UT 84123
 Phone 1-888-239-1232
 Fax 1-801-293-3077

