

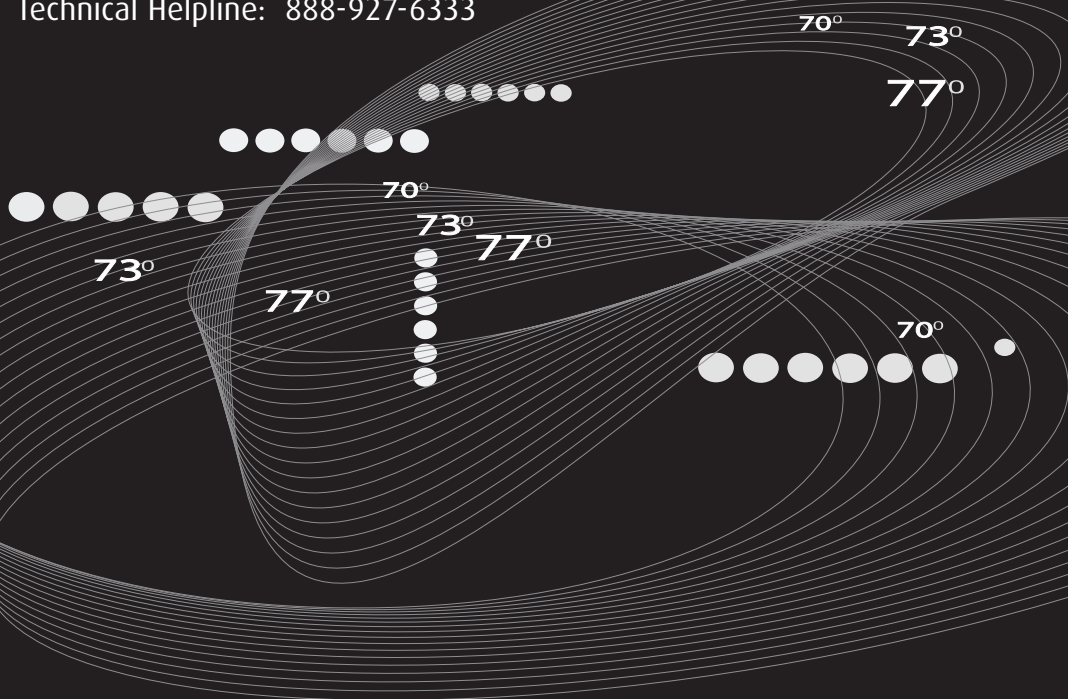
# Warmup

## UNDERTILE HEATING

THE QUICKEST WAY TO  
ROLL OUT A WARM FLOOR

# 240 Volt USDW-M Matting System Installation Manual & Warranty Registration Card

Technical Helpline: 888-927-6333



### IMPORTANT

Read this manual before attempting to install your Warmup undertile heater. Incorrect installation could damage the heater and will invalidate your warranty.



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## Before you start

Double check your measurements and ensure you have the right heater sizes for the area you need to heat. Bear in mind that the heating element should not be installed under appliances or permanent fixtures and fittings such as refrigerators, washer-dryer, cabinets, tubs, vanity units etc. Below is a quick reference guide:

### 240 VOLT HEATERS

**30 sq ft 1 x USDWM-430-240 undertile heater**

**40 sq ft 1 x USDWM-570-240 undertile heater**

**50 sq ft 1 x USDWM-720-240 undertile heater**

**60 sq ft 1 x USDWM-870-240 undertile heater**

**100 sq ft 1 x USDWM-1400-240 undertile heater**

**130 sq ft 1 x USDWM-1810-240 undertile heater**

If you are missing any of the box contents or believe you have the incorrect heaters to cover the area required, please call 888-927-6333 for assistance.

There will be other materials you need to complete the project which are not included within the heating system. These include:

- Digital ohm multimeter - For space heating cable testing.
- A 4" double gang electrical box (for the thermostat) - with a mud square.
- Tile installation products and tools.
- Scissors.

**NOTE: Please ensure you do not damage the wire. Be sure to test the system BEFORE you tile. See pg 9 for more details.**

## Warmup undertile space heating cable for installation in floors.

If these instructions are followed, you should have no problems. However, if you require assistance at any stage, please call our helpline at 888-927-6333.

## DO

- ✓ Carefully read this installation manual before commencing installation.
- ✓ Use a qualified installer.
- ✓ Ensure the system is tested before, during and after installation.
- ✓ Plan your USDW-M layout and installation so that any drilling after tiling (e.g. for installing cabinets, threshold strips) will not damage the space heating cables.
- ✓ Check USDW-M is working immediately before commencing tiling.
- ✓ Take particular care when tiling not to dislodge or damage the space heating cable.
- ✓ Wear gloves to prevent irritation from the fibre glass mesh.
- ✓ If you remove the wire from the mesh for a custom layout, maintain a min. 2" max. 4" spacing between the heating cable.
- ✓ Make sure that ALL space heating cable. is positioned under the tiles in the installation.
- ✓ Protect the space heating cable with cardboard or hardboard between installation and tiling.
- ✓ Use thin set mortars and grouts suitable for use with underfloor heating, as specified in the manufacturers' instructions.
- ✓ Ensure that each tile is solidly bedded in tile adhesive, with no gaps or voids beneath.
- ✓ Remember to install the floor probe for the Warmup (register mark) thermostat.
- ✓ Make sure all electrical work is done by qualified persons in accordance with local building and electrical codes, the National Electrical Code (NEC), especially article 424, Part V of the NEC, ANSI/NFPA70.
- ✓ Ensure that you have electrical provision to run the heating system at 120Vac.
- ✓ Remember to attach the rating labels included within this manual to your breaker box and controls.

- ✓ Sketch a diagram of the wire layout for future reference, which should be kept with the manual for future reference.

## DON'T

- ✗ Install USDW-M under any floor other than ceramic, quarry or natural stone tiles.
- ✗ Commence installation on a concrete floor that has not been fully cured.
- ✗ Leave surplus matting rolled up under units or fixtures - use the right size.
- ✗ Install USDW-M on stairs, up walls or in a closet.
- ✗ Run the floor sensor wire or power lead over or under the space heating cable..
- ✗ Connect two USDW-Ms in series, only connect mats in parallel.
- ✗ Shorten the space heating cable. at any time.
- ✗ Allow the space heating cable to cross over or touch each other at any point.
- ✗ Allow strips of mesh to overlap.
- ✗ Store tiles, sharp or heavy objects on any of the wiring while tiling or bang a trowel on the wired area to remove excess mortar from the trowel.
- ✗ Switch on the installed heating system until the adhesive has fully cured (1-3 weeks minimum).
- ✗ Attempt to repair the space heating cable if it becomes damaged. Call the technical helpline for further instruction: 888-WARMFEET/888-927-6333.
- ✗ Install the space heating cable under any built-in items (i.e. tubs, vanity units, bookshelves, walls or partitions), or under any zero-clearance, dedicated-location furniture or appliances.
- ✗ Install on a concrete slab.

For each Warmup® Heater you install, you will have an unheated lead running from the floor to the thermostat's electric connection. The joint connecting the unheated lead to the space heating cable must be at least 2 inches from the wall and in a position to be covered by tile and thin set mortar.

We recommend you do not alter the length of the unheated lead, however if necessary, the wire can be extended if a UL-approved wire and connector box suitable for the purpose is used (e.g. waterproof if going into the floor, etc). This must be carried out by a qualified electrician in accordance with local/state laws and guidelines. If the unheated lead is shortened, a minimum of 12" of lead must be left before the joint.

It may be necessary to chisel out short channels in the subfloor to minimize the increased height presented by the floor probe and the unheated lead provided.

Separate conduit will be required to run the unheated lead and the sensor wire back up to the thermostat. Please note that they cannot be placed within the same conduit. Neither the unheated lead or sensor wire must cross, or come into contact with, the space heating cable. Bear in mind that you will need to make provision for drawing the unheated leads and sensor wire up through the conduit up to the control box.

## Making Electrical Provision

**Please refer to the table on page 8 to calculate the amperage load for your particular system. For smaller areas, you may be able to utilize an existing circuit. In most cases, however, you will need a separate circuit to power the Warmup heaters.**

The Warmup thermostat has a maximum resistive load of 16 amps. It also includes a built-in GFCI. If you want to control more than 16 amps worth of heating via a single thermostat you will need to use Warmup's master / relay configuration. Instead of using the thermostat, a different model of master thermostat is used to control individual switching units (each capable of switching up to a 16 amp load, and each containing its own GFCI). The relay units require their own separate electrical feed, and up to 10 relay units can be daisy chained to a single master unit via low voltage cabling. For further information please call the Warmup Helpline or visit [www.warmup.com](http://www.warmup.com).

The thermostat should be connected to the main electrical supply via a fuse or circuit in accordance with the National Electrical Code. If the thermostat used does not include a **built-in Ground Fault Circuit Interrupter (GFCI)**, then one must be added to the circuit between the main power supply and the thermostat. If the thermostat does include a GFCI, it is NOT recommended to include another in the circuit, as this may cause accidental tripping of the control unit.

## Ensuring Safety

Install the Warmup thermostat within the same room as the heater. In order to ensure the efficient running of the system within bathrooms, we recommend that the controls are located at least 36 inches away from shower openings or basin back splash areas so that you minimize the possibility of exposure to water.

The rating label in this manual must be attached to the circuit breaker box for referral by the homeowner or electrical inspector. An additional smaller label, also in this manual, is to be attached adjacent to or on the thermostatic control.

## Floor probe location

The floor probe wire for the Warmup thermostat will be approximately 15 feet long. The end of the wire contains a capped sensor that should be centered between two heater wires at least 12" into the heated area. At no time should the probe wire cross the space heating cable.

As with all electrical projects, we strongly recommend that you should not undertake electrical work unless you are competent to do so. Do make sure all electrical work is done by qualified persons in accordance with local building and electrical codes, the National Electrical Code (NEC), especially article 424, Part V of the NEC, ANSI/NFPA 70.

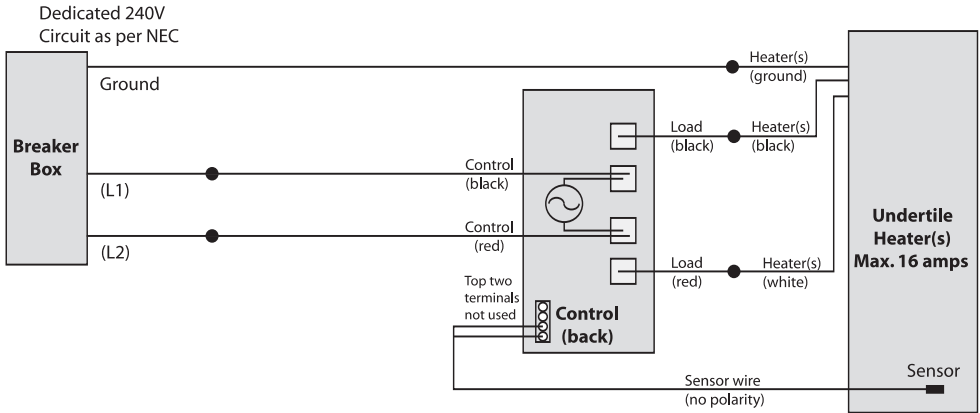
All work must conform to current National and local codes. Always follow the instructions and if in any doubt consult a qualified electrician.

# Electrical Considerations

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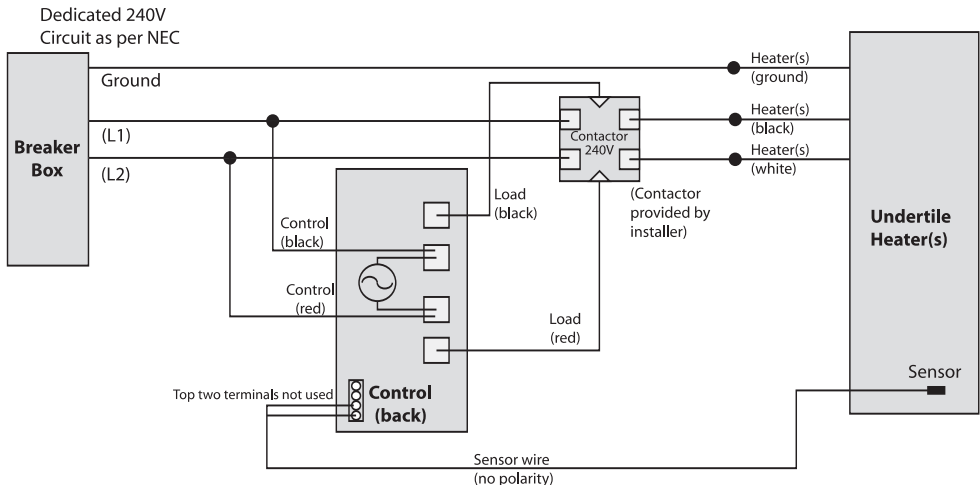
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## Typical Wiring for a Thermostat GFCI Control to an Existing Breaker:



**NOTE:** All electrical work must be performed by a qualified electrician in accordance with local building & electrical codes and the *National Electrical Code* (NEC), especially Article 424, Part V of the NEC, ANSII/NFPA 70.

## Typical Wiring for a Thermostat Control and Contactor to an Existing Breaker:



**NOTE:** All electrical work must be performed by a qualified electrician in accordance with local building & electrical codes and the *National Electrical Code* (NEC), especially Article 424, Part V of the NEC, ANSII/NFPA 70.

To fully utilize the long-term durability of ceramic tiling, whether heated or not, it is important that the design, construction and preparation of the subfloor is carried out correctly.

It is essential that the sub-floor be sufficiently rigid to support the ultimate weight that it will have to bear without movement or deflection.

The choice of products for subfloor preparation and tile will vary depending on the existing subfloor, preferred tiling system and choice of tile. This document is only intended to be an outline guide to laying ceramic floor tiles. Further help regarding floor preparation and tile application is available from the tile adhesive manufacturers and or the Tile Council of America (TCA) Tel: 864-646-8453, website: [www.tileusa.com](http://www.tileusa.com). Alternatively, you may wish to seek professional advice e.g. an architect or contractor.

## Subfloor Preparation

Prior to heater installation, it is important that the subfloor is properly prepared as per Tile Council of America Guidelines.

**WOOD SUBFLOOR:** Boards need to be of suitable material or requires backer board. Chipboard and O.S.B. boards (flake boards) are not suitable bases for ceramic floor tiling.

**SUBFLOOR PREVIOUSLY COVERED IN LINOLEUM, CORK OR CARPETING:** All old flooring and adhesive must be removed. If bitumen is present as adhesive residues it must be removed. If the bitumen is a damp proofing membrane or isolation membrane it must be covered with a minimum 2" of sand/cement self leveler, taking care not to puncture the bitumen coating. If using other damp proofing or tanking systems, contact the manufacturer for advice.

*We strongly recommend installing tile and stone flooring according to manufacturer's recommendations, TCA guidelines and ANSI specifications.*

## Special Precautions

**MOSAIC TILE AND PORCELAIN:** When installing mosaic tile and CERTAIN PORCELAIN, we recommend a two-step process. Cover the space heating cable with latex self-leveling compound before tiling to ensure a flat, smooth surface, then thin set the mosaic according to typical practice.

**EXPANSION JOINTS:** Do not install the space heating cable through an expansion joint. Install the space heating cable right up to the joint, if necessary, but do not bridge the joint.

**INSULATION:** Do not install rigid insulation directly above or below backer board or mortar. If possible, install insulation as shown in diagrams.

Insulation dramatically enhances the performance and efficiency of floor warming systems.

# Subfloor Preparations

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The Heater wire installation shall be in accordance with one of the illustrated methods as per this manual. The heater wire is not intended to be installed directly upon the subfloor.

## Using plywood

Ensure adequate underfloor ventilation.

Secure existing floorboards and if necessary, pre-level with a latex cement self-levelling compound to give a flush fit for the subsequently applied plywood.

Refer to Tile Council of America guidelines regarding sealing the backs and edges of the plywood before attaching.

Attaching ply directly to the joists will not provide a sufficiently stable floor finish to accept tiles; fitting tongue and groove flooring and then over-boarding with ply or a tile backer board is recommended. A rigid base is essential.

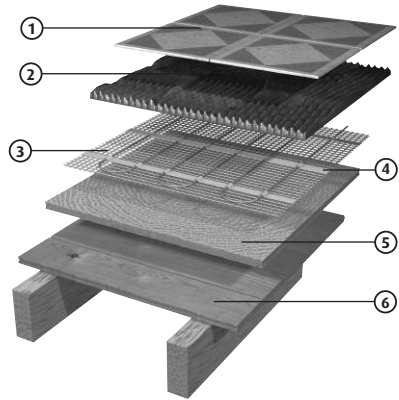
## Using insulated tile backer board

Attach the tile backer board as per manufacturer's instructions.

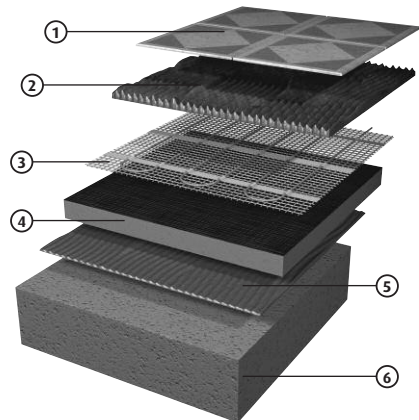
For best results and for ease of installation, Warmup recommends the use of an extruded polystyrene building or insulated tile backer board with a cement-based facing, such as Warmup Insulation Board.

After attaching the board to the subfloor, the Warmup Undertile Heating System may be laid directly on top of the tile backer building board, and then tiled over. It is important to ensure that the tile adhesive and grout used are flexible and that the tile backer building board has been fitted as per the manufacturer's instructions. High quality, cement-based adhesives with their flexible additives are most suitable.

**NOTE: Do not use the green Warmup primer when installing on insulated tile backer board.**



- ① Tiles
- ② Flexible tile adhesive
- ③ Heating wire
- ④ Adhesive tape
- ⑤ 3/4" plywood or Warmup Insulation Board
- ⑥ Floor boards or 1st layer of plywood



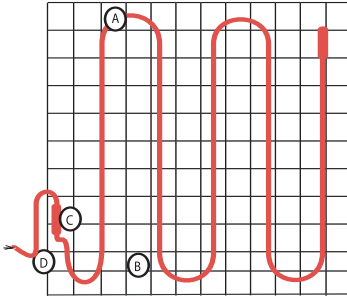
- ① Tiles
- ② Flexible tile adhesive
- ③ Heating wire
- ④ Warmup Insulation board
- ⑤ Insulation board adhesive
- ⑥ Subfloor (concrete or timber)

**The above is for general guideline use only. Installations and subfloor work must be as per Tile Council of America Guidelines.**

# About USDW-M

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- A - Heating element
- B - Space heating cable
- C - Factory-made joint
- D - Power lead

USDW-M is available in 6 different sizes

Each USDW-M is designed to produce a specific amount of heat based on its length. For this reason **you must never shorten USDW-M.**

240 Volt Matting Heater Guide

No of heaters per 16 amp supply point @240V	Heater Model	Wire Colors	Watts @ 240Vac	Nominal Wire Length (ft)	Nominal Amps Resistive (@240 volts)	Nominal Resistance (ohms - cold )	Length	Width
9	USDWM-430-240	Silver	423	112	1.76	136	18' 3"	1' 8"
6	USDWM-570-240	Grey	564	167	2.35	102	24' 3"	1' 8"
5	USDWM-720-240	Red	720	263	3.00	80	30' 6"	1' 8"
4	USDWM-870-240	Red	864	219	3.60	67	36' 6"	1' 8"
2	USDWM-1400-240	Black/ Yellow	1403	394	5.85	41	61' 0"	1' 8"
2	USDWM-1810-240	Black/ Blue	1809	500	7.54	32	79' 3"	1' 8"

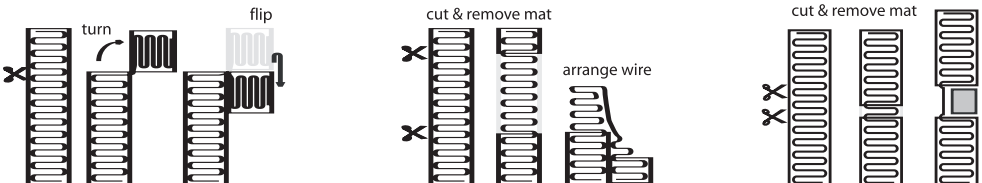
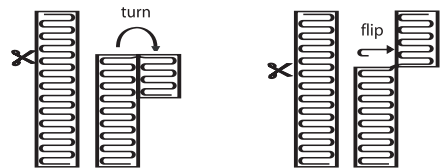
**NOTE:** The Warmup thermostat can switch up to 16 amps. If you are installing more than two heaters you will require a junction box.  
**NOTE:** The mesh size may vary between +/- 5% due to manufacturing tolerances.

# How can you modify USDW-M

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In order to fit your USDW-M into a specific area, it may be necessary to cut and turn the mat (examples below). NEVER cut the space heating cable. When cutting and flipping USDW-M take care not to cut or damage the space heating cable. Never allow strips of mesh to overlap. If you remove the wire from the mesh for a custom layout, maintain a min. 2", max. 4" spacing between the heating cable.



# Testing USDW-M

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## Test the Heater

Once the space heating cable layout has been completed, ensure that the heater is working properly.

Using a digital ohmmeter or multi-meter, check the resistance of the space heating cable and continuity of the protective ground braid. Please note that analog meters with a moving needle are not sufficiently accurate for testing the Warmup heater.



Set your Ohm meter to measure in 0-200 Ohms.

Acceptable readings of these ohms resistance measurements (between the black & white wires) should fall within +/- 15% of the values indicated on page 8.

There should NOT be any continuity between the ground wire and either of the white wire or the black live wire. Any continuity indicates there is a short in the circuit.

If at any time your readings are not in line with the guidelines above, or you suspect there is a problem, please call the Warmup Technical Helpline at 888-927-6333.

# Before Installing USDW-M

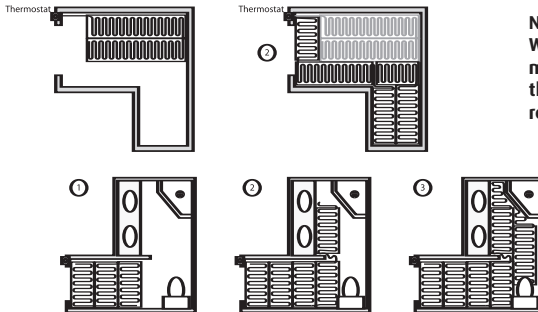
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## A Check USDW-M size

Please take a moment to double-check that your plan has the proper room dimensions and that you have the correct size and proper number of USDW-Ms. Once USDW-M has been cut it cannot be returned. Mats should run backwards and forwards between walls and obstructions as shown in the examples.



**NOTE:**  
When laying two or more heaters, ensure the unheated leads reach the thermostat.

## B Before Installation Test

Perform the first test following the steps described above to ensure that USDW-M has not been damaged during transport. Do not wire to a plug at this stage.



## 1 Mark Floor and USDW-M

Using a permanent marker, mark out areas on the subfloor where units and fixtures will be fitted. DO NOT install USDW-M in any of these areas.

Start by laying USDW-M in the location closest to the thermostat (DO NOT affix or cut USDW-M yet). Mark the position of any turns or cuts that you will need to make to the loose wire on USDW-M and mark the positions on the floor.

Mark the positions and planned route of the power lead cables as well as the floor sensor. It is best to avoid placing the floor sensor in areas of heat fluctuations. It may be necessary to cut a channel in the floor to ensure the floor sensor is kept at the same height as the heating element.

### NOTE:

**If you have a loose wire (wire cut away from the fiberglass mesh) make sure the loose wires are no closer than 2" from each other, the wall or from any other wires still attached to the mesh. All joints need to be placed on the floor beneath the tiles. No cables may cross at any time (including the floor sensor and power lead).**

## 2 During Installation Test

Perform the same test as described on page 9 to ensure that the heating element has not been damaged during planning.



## 3 Cut, turn and affix USDW-M

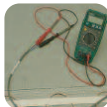
When you have ensured that USDW-M has been laid correctly in Step 2, start cutting and turning USDW-M where marks have been made, beginning at the location closest to the thermostat. Be careful and never cut the space heating cable. Affix USDW-M with the double sided tape on the mat. Use tape to affix the loose wires.

Once USDW-M is fitted, check to ensure there are no loose sections paying close attention to the ends of the mats and any section which has been turned.



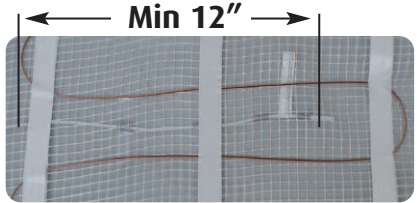
## 4 After Installation Test

Perform the same test as in step 2



## 5 Install Floor Sensor

Place the floor sensor (from the thermostat) below the fiberglass mesh between two heating elements. The floor sensor must be installed centrally between the two runs of heating element and should extend a minimum of 12" into the heated area. Secure the floor sensor using tape.



### Test the probe wire:

**Temperature sensor wire must be verified before and after installation. For probe resistance, refer to the thermostat instructions.**

**Install Warmup Thermostat and floor probe.**

## 6 Fit Power Leads

Each USDW-M is fitted with a single power lead for connecting USDW-M to the thermostat. To ensure the power lead remains at the same level as the heating element, you may need to cut or chisel a channel in the subfloor. When doing this take care not to damage the heating element. Secure the power lead in place using tape.



## 7 Tile and Grout the floor

Ensure you use ceramic tile adhesives and grouts suitable for use with undertile heating systems (they must contain a flexible adhesive). It is important that each tile is solidly bedded in tile adhesive, with no gaps or voids beneath.

### NOTE:

**Do not store tiles or heavy objects on USDW-M while tiling. Wait for 8 days to allow the adhesive to dry before you switch on the system.**

## WARMUP 30-YEAR WARRANTY

Models:

USDW heaters and USDW-M heaters sold by Warmup, Inc.

THE WARMUP 30-YEAR WARRANTY DOES NOT EXTEND TO THERMOSTATS, WHICH ARE COVERED BY A ONE-YEAR GUARANTEE FROM THE DATE OF ORIGINAL PURCHASE.

GOVERNING LAW. Unless otherwise governed by applicable state law, this warranty shall be interpreted and enforced in accordance with the laws of the State of Connecticut.

### This 30-Year Warranty applies:

1. Only to the original homeowner(s) from the date of purchase
2. Only if the unit is registered with Warmup within thirty (30) days after purchase. Filling out the card accompanying this warranty in its entirety will complete registration. In the event of a claim, proof of purchase is required, i.e. invoice and receipt. Such invoice and receipt should state the exact model that was purchased; and
3. Only for the duration of the Lifetime of the floor covering under which it was originally installed if the purchaser of the heater remains the owner of the residence in which it was installed. If the original purchaser sells such residence, the warranty will transfer and continue for the duration of the 30 years from date of purchase.
4. Only if the heater has been grounded and protected by a GROUND FAULT CIRCUIT INTERRUPTOR (GFCI) at all times.

### COVERAGE

- 1) The warranty period begins on the date of purchase. Registration is effective only when a letter of confirmation is sent by Warmup, Inc.
- 2) Warmup's Undertile Heater is guaranteed by WARMUP, INC. ("Warmup") to be free from defects in materials and workmanship under normal use and maintenance for thirty (30) years, provided the Product is installed in accordance with the accompanying Warmup installation manual, any special written design or installation guidelines by Warmup, Inc. for a particular project, the National Electrical Code (NEC), the Canadian Electrical Code (CED), and all applicable local building and electrical codes; and
- 3) Provided Warmup heaters are installed under ceramic tile, marble and natural stone surfaces.
- 4) During the period of Warranty, Warmup will arrange for the heater to be repaired or (at its discretion) have parts replaced free of charge. The costs of repair or replacements are your only remedy under this Warranty. Such cost does not extend to any cost other than direct cost of repair or replacement by Warmup and does not extend to costs of relaying, replacing or repairing any floor covering or floor.
- 5) If Warmup, Inc. determines the repair of the product is not feasible; we will replace the product with equal or similar features and functionality at Warmup's sole discretion. WARMUP'S MAXIMUM LIABILITY IS LIMITED TO THE ORIGINAL PURCHASE PRICE OF THE HEATER MULTIPLIED BY THE PERCENTAGE OF THE WARRANTY PERIOD REMAINING.

See over for "Exclusions"

If you have any questions before, during or after your installation do not hesitate to call the Warmup Technical Helpline on

888-927-6333

## EXCLUSIONS

Warmup, Inc. shall in no event be liable for incidental or consequential damages, including but not limited to extra utility expenses or damages to property. This Warranty is null and void if

- 1) The floor covering over the heater(s) is damaged, lifted, replaced, repaired or covered with subsequent layers of flooring.
- 2) The heater fails due to damage caused during installation or tiling, unless damage is caused directly by an employee of Warmup. It is therefore essential to check that the heater is working (as specified in the installation manual) prior to tiling.
- 3) Damage as a result of floods, fires, winds, lightning, accidents, corrosive atmosphere or other conditions beyond the control of Warmup, Inc.
- 4) Use of components or accessories not compatible with Warmup heaters
- 5) Warmup products installed outside the United States.
- 6) Parts not supplied or designated by Warmup, Inc.
- 7) Damage or repair required as a result of any improper use, maintenance, operation or servicing.
- 8) Failure to start due to interruption and/or inadequate electrical service
- 9) Any damage caused by frozen or broken water pipes in the event of equipment failure.
- 10) Changes in the appearance of the product that does not affect its performance.
- 11) The owner, or his/her designated representative, attempts to repair the product without receiving prior authorization from Warmup. Upon notification of a repair problem, Warmup, Inc. will issue an Authorization to Proceed under the terms of this Warranty.

If Warmup is required to inspect or repair any defects caused by any exclusions referenced above, all work will be fully chargeable at Warmup's inspection and repair rates then in effect.

WARMUP, INC. DISCLAIMS ANY WARRANTY NOT PROVIDED HEREIN, INCLUDING ANY IMPLIED WARRANTY OF THE MERCHANTABILITY OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. WARMUP, INC. FURTHER DISCLAIMS ANY RESPONSIBILITY FOR SPECIAL, INDIRECT, SECONDARY, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING FROM OWNERSHIP OR USE OF THIS PRODUCT, INCLUDING INCONVENIENCE OR LOSS OF USE. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE FACE OF THIS DOCUMENT. NO AGENT OR REPRESENTATIVE OF WARMUP, INC. HAS ANY AUTHORITY TO EXTEND OR MODIFY THIS WARRANTY UNLESS SUCH EXTENSION OR MODIFICATION IS MADE IN WRITING BY A CORPORATE OFFICER.

DUE TO DIFFERENCES IN BUILDING AND FLOOR INSULATION, CLIMATE AND FLOOR COVERINGS, WARMUP, INC. MAKES NO REPRESENTATION THAT THE FLOOR TEMPERATURE WILL ACHIEVE ANY PARTICULAR TEMPERATURE OR TEMPERATURE RISE. UL STANDARD LISTING REQUIREMENTS LIMIT THE HEAT OUTPUT OF WARMUP UNDERTILE HEATING, AS SUCH, USERS MAY OR MAY NOT BE SATISFIED WITH THE FLOOR WARMTH THAT IS PRODUCED. WARMUP DOES WARRANT THAT ALL HEATERS WILL PRODUCE THE RATED WATT OUTPUT LISTED ON THE HEATER NAMEPLATE, WHEN OPERATED AT THE RATED VOLTAGE.

## TERMS AND CONDITIONS

### Shipping Discrepancies:

Incoming materials should be inventoried for completeness and for possible shipping damage. Any visible damages or shortages must be noted prior to accepting the material. Any discrepancy concerning type or quantity of material shipped, must be brought to the attention of your Warmup® reseller within 15 days of the shipping date entered on the packing slip for the order.

### Miscellaneous:

The terms of this Limited Warranty are exclusive and supercede any other warranty or terms and conditions relating to the subject matter whether included in a purchase order for this product or in any other document or statement.

COMPLETE AND RETURN WARRENTY REGISTRATION TO WARMUP, INC (Please Print)  
Alternatively you can register online at warmup.com

FULL NAME \_\_\_\_\_  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_  
ZIP CODE \_\_\_\_\_ TELEPHONE # \_\_\_\_\_  
E-MAIL \_\_\_\_\_  
PURCHASED FROM \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_  
INSTALLER NAME \_\_\_\_\_  
DATE OF PURCHASE \_\_\_\_\_

PLEASE STATE WHICH ROOM THE HEATER(S) IS INSTALLED:

A ROOM (circle one)	B RESISTANCE READING (OHMS) HEATER	C PROBE	D TOTAL SQ FT PER ROOM
KITCHEN	_____	_____	_____
BATHROOM	_____	_____	_____
SUNROOM	_____	_____	_____
HALL	_____	_____	_____
OTHER	_____	_____	_____

HOW DID YOU HEAR ABOUT WARMUP? (please check one)

Showroom     Website     Home/Trade Show     Electrical Contractor  
 Tile Contractor     Friend     Architect/Designer  
 Magazine(which one) \_\_\_\_\_

Other \_\_\_\_\_

Type of Project:

New Construction     Remodeling

I hereby confirm that I have read and understand the contents of the Installation Manual, and that the heater has been installed as specified therein. I acknowledge that no claim can be brought against the manufacturer or its agents for any consequential loss or damage whatsoever.

Signed \_\_\_\_\_

Dated \_\_\_\_\_

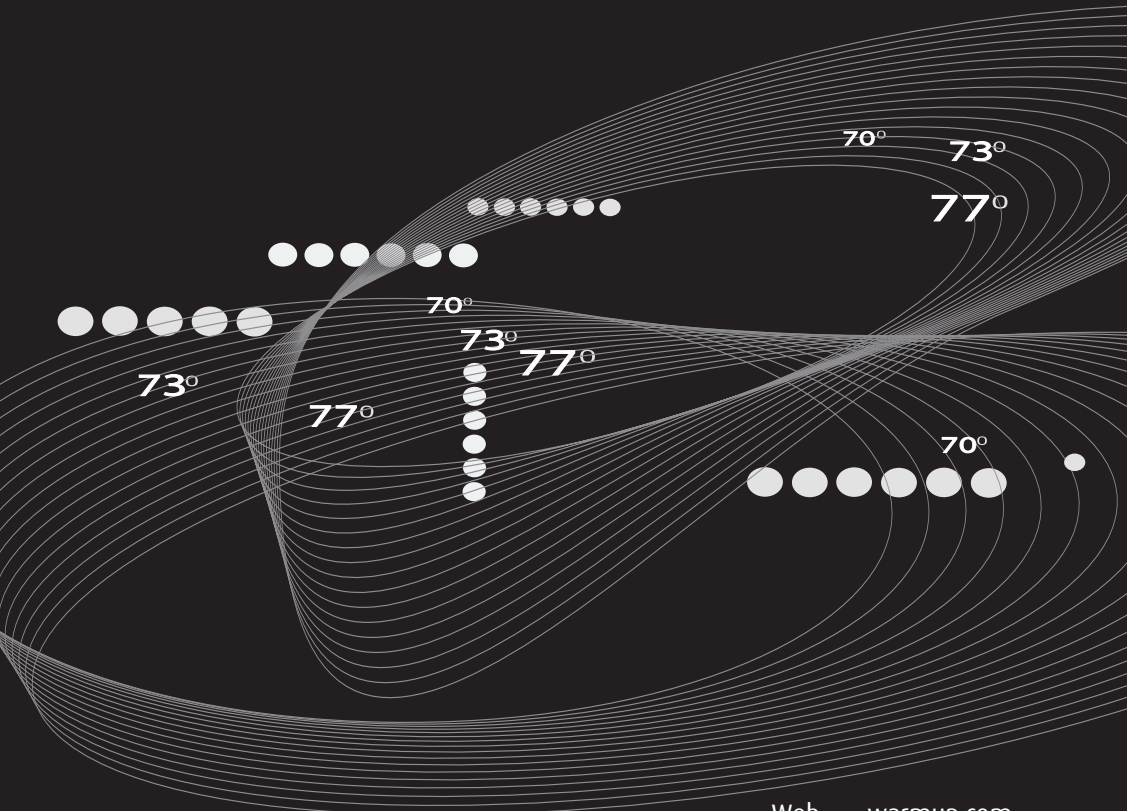
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