FeelsWarm® Installation Instructions

NL Compressed Heaters

Thank you for purchasing a FeelsWarm® patented (pending) heater to eliminate the cold feel of stone countertops and to create a soothing and calming feel to accompany the elegance and beauty of stone.

Please read the following information to understand the FeelsWarm heater performance and how to properly install the heater for years of operation.

Heater Model: ☐ Custom NL Compressed ☐ Other

Electrical Information (please retain for future reference):

_____ Wattage _____ Voltage _____ Current Draw (Amps) at stated voltage _____ Approximate Current Draw on household 110/120V line

Serial Number: _____

IMPORTANT: NEVER SUBSTITUTE AN ALTERNATIVE POWER TRANSFORMER THAN THE ONE PROVIDED WITH THIS HEATER.

Your heater is specifically designed to raise the temperature of a stone countertop approximately 20 degrees over the room temperature. FeelsWarm heaters utilize slow-rise heating elements so that the heating element does not become hot or unsafe. Consequently, customers should expect that the temperature of the stone countertop may take 1 to 1 1/2 hours to warm to the stable heat level that the heater delivers. With the Thermal Control Unit, customers may lower the maximum temperature of the countertop if desired and may quickly turn the heater on/off (temp adjustments may take 30 minutes).

Heaters are intended to be placed between the stone surface and a wood top where there will be no access to the heater from either within the cabinet or from an overhang, being completely incased. The heaters can be used between glued layers for use with pewter, stainless steel, stone, and other metal countertops.

Indoor Use: FeelsWarm Heaters are designed for indoor use only.

Safety: All FeelsWarm heaters utilize low voltage (9-24 Volts DC) for home safety. The FeelsWarm heaters are made with high performance plastic films and resistive foil that permits the heater to be used under the weight of the stone without risking a problem. Do not pull on the electrical cord connecting the heater to the power supply.

Warranty: FeelsWarm Heaters have a two-tier warranty:

- Heating Element: 3 years from date of purchase. This does not include damage, tampering, improper electrical powering, or wiring.
- Power Supply and Supplemental Accessories (Transformer, Programmer, Thermal Control Unit): 2 years from date of purchase.

Please follow instructions thoroughly. Claims will not be allowed for direct or indirect damages beyond this product due to failure to follow installation instructions.

Customer Support: Questions and support can obtained from Heated Stone Products at 952-898-9505 or via e-mail at sales@feelswarm.com. Additional information can be found at www.feelswarm.com.

FeelsWarm® Installation Instructions

Package Contents: Heater, Thermal Control Unit and screws (if included), Transformer (with power cord), Velcro/Strap Packet, and instruction manual.

Recommended Tools:

- Electric drill with 1” - 1.5” spade bit
- Phillips Screwdriver
- Pencil

Read these complete instructions before starting to understand the full sequence of the assembly.

1 PERFORM A ‘DRY” TEST INSTALLATION OF THE HEATER BEFORE STARTING

A. Conduct a preliminary fit by leaving the release liner on the heater. Lay the heater onto the wood substrate to ensure the fit is what is expected. The front edge of the heater should be mounted back from the wood edge between 1/4 and 1/2 inch. Precision is not critical.

B. Mark with a pencil on the wood substrate where that tail location is, indicating where you will be drilling a hole. After it is marked, move the heater out of the way so that no drilling happens near the heater. The FeelsWarm heater has the tail pre-located to fit your cabinet so that the cable will go down into the hole to enable it to connect to the thermal control unit and transformer.

IMPORTANT: Do not drill into the heater during and after the installation from top down or from bottom up.

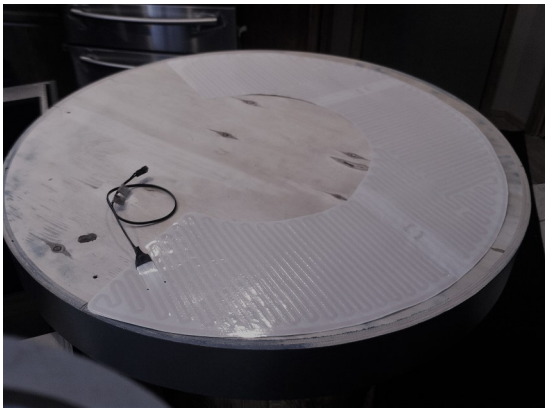
2 DRILL CABLE HOLE IN SUBSTRATE

Use a 1” - 1.5” spade drill bit to drill a hole in the wood substrate.

3 ATTACH THE HEATER

A. On the back side of the heating mat is a release liner. Take off the release liner to expose the adhesive.

B. Flip over the heating mat to stick the heating mat in place on top of the wood substrate– wrinkle free. The adhesive is meant to keep the heating mat tacked in place so that it does not move around during the countertop installation. It will not stick permanently.



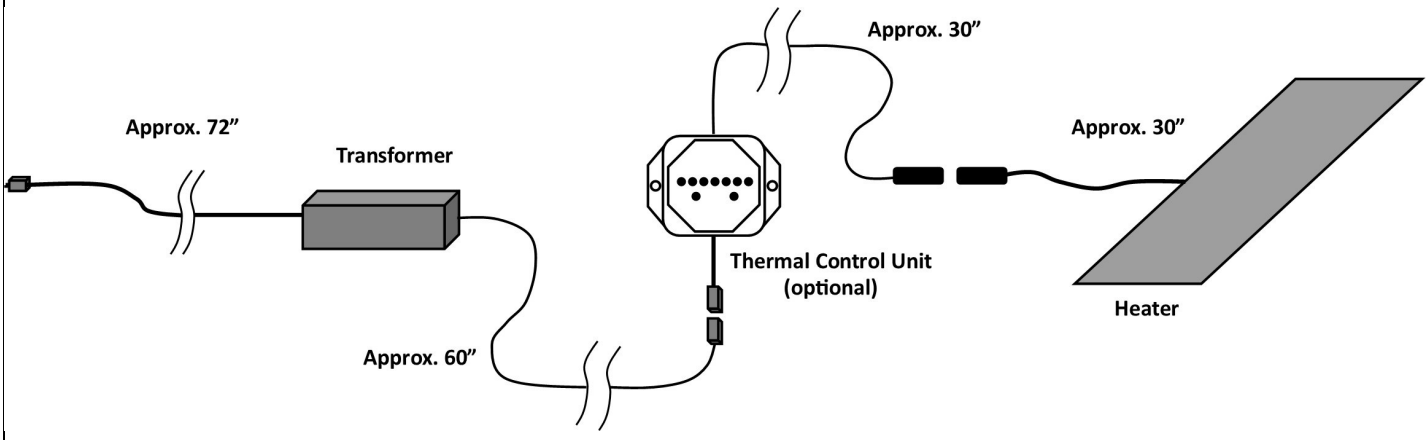
FeelsWarm® Installation Instructions

4 FEED CABLE THROUGH HOLE

After the heater has been installed, feed the heater cord through the drilled hole.

5 INSTALL POWER SUPPLY

Connect the heater, Thermal Control Unit (optional), transformer, and power cord together using the diagram below.



It is common to put the Thermal Control Unit within a cabinet or out of normal visibility but still accessible for periodic use. The Thermal Control Unit can be mounted onto the inside wall of a cabinet with the screws provided. The transformer typically lies in a cupboard or in the bottom of the cabinet. The transformer may feel warm to the touch (or a bit hot in some cases)—this is normal.

The heater will draw up to between 1/2 and 2 amps at 120V depending upon the size of the heater. For reference, a toaster typically will draw up to 12.5 amps. Traditional home circuit lines will be wired for 15 amps. If the outlet that the heater plugs into also has significant current-drawing devices that will exceed the circuit breaker limit, consult a licensed electrician for a permanent solution.

IMPORTANT: If the FeelsWarm system that has been purchased involves multiple transformers and/or multiple heaters, each transformer plug and each heater cable will have a numerical tag with matching code numbers. It is extremely important that the correct transformer is plugged into its correlating mating heater.

6 SECURE WIRES

Your FeelsWarm heater is supplied with a packet of velcro patches, a strap, and screws to use to secure the various wires inside the cabinet and to mount the transformer on a side wall if you do not wish to have it on the floor of the cupboard. Often, there is an excess supply of wire provided so keeping the wires out of the way of normal activity is suggested. Peel the clear release liner off one half of the velcro patches and stick it onto the cabinet wall. Secure the wires using the mating velcro piece. If the velcro patches do not stick to your cabinet wall, use the strap included. Cut the strap to the desired length and drill the screws into the cabinet wall to secure your transformer and access cords.

7 TURNING HEATER ON

You can turn on your FeelsWarm heater immediately. If your heater does not include a Thermal Control Unit, turn the heater on by plugging in the transformer to your outlet. To turn the heater off, unplug the transformer.

If your heater does include a Thermal Control Unit (TCU) , it permits the temperature to be adjusted down from the automatic maximum temperature of the heater and it also provides a quick on/off method. Once the transformer is plugged into your outlet, the TCU will light up. Use the small button on the TCU to change the settings. The red light indicates the heater is OFF. The single green light indicates the heater is receiving power. The yellow lights indicate what level of temperature the heater is set at.

It is recommended to put your TCU at HIGH for the first 24 hours. This is the most common setting and is likely the desired temperature. The heater automatically raises the temperature of the countertop approximately 20 degrees Fahrenheit above the room temperature when set at HIGH. If the room temperature is elevated, then either turn the TCU to OFF or adjust it towards LOW in various increments. Typically, once the desired temperature of the countertop has been established over a day or two period, the need to make changes to the temperature is infrequent.