



FlexHEAT SYSTEM

LOW VOLTAGE IN-FLOOR HEATING SYSTEM



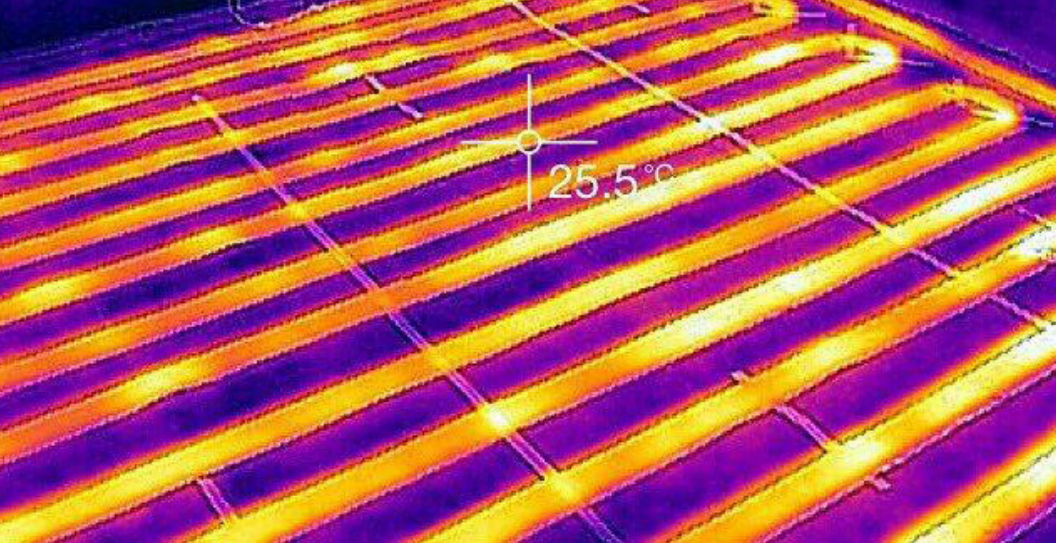
INSTALLATION MANUAL

CAUTION

THIS EQUIPMENT SHALL BE INSTALLED ONLY BY QUALIFIED PERSONNEL WHO ARE FAMILIAR WITH THE CONSTRUCTION & OPERATION OF THE APPARATUS & THE RISKS INVOLVED.

THE INSTALLATION OF THIS HEATING PRODUCT SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS & THE REGULATIONS OF THE AUTHORITY HAVING JURISDICTION

Truly A Smarter Way To Heat



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Truly A Smarter Way To Heat

INSTALLATION AND OPERATION

TruHeat's FlexHEAT system is a revolutionary radiant floor heating system designed to warm your floors with a gentle heat yet keeping energy consumption to a minimum. When the thermostat calls for heat, the system sends a low voltage current through our patented aluminum alloy FlexHeat tape and the cold floors worry is quickly put to an end.

The principle behind our unique system is that it covers more of the floor's surface area which allows the system to keep the operating temperature to a minimum yet warming the floors uniformly. With a lower operating temperature, energy consumption is also kept to a minimum. Another advantage of the FlexHEAT system is that it can also serve as a primary heat source for any room setting by generating heat from the ground up allowing for efficient heating over conventional forced air or baseboard heating systems which mainly push the hot air upwards towards the ceiling.



CAUTION:

Read and follow all the installation instructions in this manual before attempting to install the FlexHEAT System. Improper installation procedures or techniques can cause potentially unsafe conditions, including overheating and shock hazards. Failure to comply with the instructions in this manual can void the manufacturer's warranty. Electrical connections should only be made by licensed



NOTE:

Upon removing the FlexHEAT system from the box, it is important to check for any damage on the transformer unit, the heat tape or the thermostat. If any damage is found call our customer support team at 1-833-999-HEAT (4328).



LIMITED WARRANTY

TruHeat Systems Inc. warrants that, at the time of shipment to the customer who directly purchases the product from TruHeat Systems, the product will be free of defects in workmanship and materials and will conform in all material respects to any written specification that TruHeat Systems provided to that customer before the purchase. If that customer believes that a shipment of product fails to satisfy the above warranty, that customer must **(A)** contact TruHeat Systems in writing within 1 week after product gets delivered, including a detailed explanation of the alleged non-conformity and **(B)** return the shipment to TruHeat Systems by requesting a return label. If TruHeat Systems reasonably determines through examination of the returned shipment that the shipment did not satisfy the above warranty, then AS TRUHEAT SYSTEMS EXCLUSIVE LIABILITY AND THE CUSTOMER'S SOLE REMEDY, TRUHEAT SYSTEMS WILL, WITHIN A REASONABLE PERIOD OF TIME, REPAIR THE PRODUCT, REPLACE THE PRODUCT WITH THE SAME OR SIMILAR PRODUCT, OR CREDIT THE CUSTOMER'S ACCOUNT WITH THE PURCHASE PRICE, WHICHEVER TRUHEAT SYSTEMS MAY ELECT IN ITS SOLE DISCRETION.

This warranty does not apply if we reasonably determine that the heat tape has been cut, added to or otherwise altered, stored improperly, misused, damaged, or installed not in accordance with the instruction manual supplied by TruHeat Systems. TruHeat Systems requires that this product be used ONLY with approved control devices. Use of any other control device will render the provisions of this warranty null and void. This warranty covers only components manufactured by TruHeat Systems. Components such as attaching hardware, connecting parts, wire, tape, and other items included in kits or assemblies that are not manufactured by TruHeat Systems are excluded from the provisions of this warranty. Except as expressly provided in this Limited Warranty, the customer is responsible for the cost of labour, service calls, insurance, shipping, installation costs and any other expense or damage incurred. The warranty does not cover the low voltage transformer and thermostat for 20 years. The transformer is covered for 5 years from the time of the purchase of the system and TruHeat thermostats come with a 2 year limited warranty.

THE FOREGOING WARRANTY IS IN LIEU OF ALL OTHER REPRESENTATIONS, WARRANTIES, OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT, AND OF ANY OTHER OBLIGATION OR LIABILITY ON THE PART OF TRUHEAT SYSTEMS INC. WHETHER BY STATUTE, CONTRACT, STRICT LIABILITY, TORT OR OTHERWISE.

TRUHEAT SYSTEMS INC. IS NOT RESPONSIBLE FOR ANY INCIDENTAL, CONSEQUENTIAL, MULTIPLE, PUNITIVE OR INDIRECT DAMAGES OR LOSS, LOSS OR DAMAGE TO OR LOSS OF USE OF FACILITIES OR OTHER PROPERTY, OR FOR LOST PROFITS OR LOST REVENUE, WHETHER BASED UPON WARRANTY, STATUTE, CONTRACT, STRICT LIABILITY, TORT OR OTHERWISE. TRUHEAT SYSTEMS SHALL IN NO EVENT BE LIABLE FOR THE PERFORMANCE OF, OR COST OF PERFORMING, THE REMOVAL OR INSTALLATION OF THE PRODUCT OR ANY PRODUCT OR MATERIAL INTO WHICH IT IS INSTALLED, INCORPORATED OR ADDED. THE CUSTOMER IS RESPONSIBLE FOR THE COST OF LABOR, SERVICE CALLS, INSURANCE, SHIPPING, INSTALLATION COSTS AND ANY OTHER EXPENSE OR DAMAGE INCURRED.

IN NO EVENT SHALL TRUHEAT SYSTEMS'S MAXIMUM LIABILITY EXCEED THE PURCHASE PRICE FOR THE RELEVANT SHIPMENT OF PRODUCT, EXCEPT TO THE EXTENT MADE MANDATORY BY LAW.

SAFETY INFORMATION

Throughout the manual you will see Cautions and Notes. These notices highlight conditions, procedures, or other information that require special attention to prevent damage to the system, to your flooring, or possible injury. For a safe and functional installation of the FlexHEAT System, read and follow these important safety precautions. Failure to comply with these items may result in injury or damage to the system. This information must be read and understood by all technicians who will be working in the area of an installed TruHeat system or main electrical systems. Failure to follow these guidelines may result in a risk of electric shock or fire hazard.



Indicates an item that you should pay special attention to. For example, notes are used to highlight installation tips.



Indicates precautions or procedures that should be followed to prevent the possibility of electrical shock.



Indicates precautions or procedures that should be followed to prevent the possibility of fire.

CAUTION

- Make sure that there are no sharp items (nails, clamping irons, etc.) on the floor surface, as well as other barriers that could damage the heat tape. Do not install the system if the room temperature is below 5°C (41°F).
- During installation process, the FlexHEAT system or its separate components shall not be exposed to oil, grease or other chemically aggressive substances.

CAUTION

- Prevent children from accessing the system! It is prohibited to open, disassemble the built-in control board and transformer unit, as well as to replace parts or make your own repairs unless advised by the manufacturer for troubleshooting reasons.
- Ensure that the breaker supplying power to the thermostat and system has been turned off before making electrical connections.
- The installation of this heating product shall be in accordance with the manufacturer's instructions and in accordance with the Canadian Electrical Code Part 1 or the National Electrical Code (USA), whichever is applicable.
- This equipment shall be installed only by qualified personnel who are familiar with the construction and operation of the apparatus and risks involved.

CAUTION

- Flooring materials must be rated for use with floor warming system.
- Avoid excessive flattening of network and central system unit wires.
- Protect the circuit supplying power to the FlexHEAT system with a ground fault circuit interrupter (GFCI).

INTRODUCTION

Thank you for your purchase of the FlexHEAT System. You are now ready to enjoy the many benefits of a revolutionary floor heating system which combines comfort, low energy consumption, added safety and ease of installation all in one device.

The FlexHEAT system is a next generation low voltage in-floor heating system designed to offer minimal energy consumption yet offer exceptional versatility when it comes to floor heating. The FlexHEAT system in-floor heating system is a ready-made, comprehensive solution for heating homes, apartments, industrial and commercial buildings. The system can be installed under most types of floors and with minimal effort. What makes the FlexHEAT system so special is the system's patented "FlexHEAT heat tape" which is a flexible aluminum alloy heating strip. Not only is the heat tape much more durable than copper wires which are used in traditional electric in-floor heating systems, it also covers more of the floor surface. In fact, our heating tape covers up to 65% of the heated area allowing the user to enjoy the heat significantly faster. Furthermore, this also allows the system to use significantly less energy which means the system can be effective at a lower working temperature than other high voltage systems. While wire based systems reach extreme temperatures of 90°C (194°F), the FlexHEAT tape works effectively at a temperature of 28-30°C (82°F-86°F). And more importantly it enables to significantly reduce the heat loss and energy consumption of the system. All these features make the FlexHEAT system one of the most efficient, durable and comfortable solutions for heating your home or any other facility.

FEATURES

- 5-7 Watts/Sqft
- Easy to install
- Operates on low voltage
- 120V or 240V input
- Thermostat controlled
- Available in 7 kits for various square footages
- Warranted to be free of defects by manufacturer for a period of 20 years

BEFORE YOU BEGIN

- FlexHEAT system must be installed on a dedicated 15 or 20 amp circuit depending on the kit being installed. Do not connect lights, outlets, or any other electrical device to any branch circuit used with the FlexHEAT system.
- All wiring, fuses and/or circuit breakers must conform to National Electrical Code requirements.

FOR ADDITIONAL HELP

- Technical Hot line: 1-833-999-HEAT (4328)
- Website: www.truheatsystems.com
- Email: info@truheatsystems.com

INSTALLATION PLANNING

Before The Installation Process...



NEVER Do the Following:

- Never cut or lengthen the FlexHEAT tape.
- Never connect the FlexHEAT tape to the electrical power source while the tape is rolled up.
- Never walk on the heat tape during its installation. If necessary, use clean shoes with a soft bottom.

ALWAYS Do the Following:

- Protect the circuit supplying power to the FlexHEAT system with a ground fault interrupter (GFI).

WHAT YOU WILL NEED

- FlexHEAT kit (includes: FlexHEAT tape, thermostat, transformer unit)
- GFI electrical breaker
- Duct tape, Tuck tape or Gaffer tape (not provided)
- Junction box for thermostat connection (not provided)
- 14/3 AWG SOOW cable for possible cable extending (not provided)
- Tools: Multi-meter, wire stripper, screw driver, drill

Area Planning

Determine the heated area (deduct location of any fixed furniture, furniture without legs, household appliances, etc. from the total area of the room, but if you plan further furniture rearrangements, for more comfort we recommend placing the heat tape on the entire premise, while doing that the furniture must meet the safety requirements listed below. The FlexHEAT tape is installed 15 CM (6 IN.) away from each wall and any fixed furniture.

CAUTION

- The base of the furniture items placed above the heated area should be at a height of at least 8 CM (3 IN.) above the floor level to ensure air circulation.
- Never place futons, beanbag chairs, or similar furniture with no legs on heated floors.

CAUTION

- Touching the tape lengths or having minimal space between the tape will cause the tape's length to shorten and overheating will occur. Tape can only make contact with itself when it is folded to change directions. Always follow the recommended spacing shown in the table on page 6.

CAUTION

- Make sure to follow the recommended laying distance for each kit when laying the tape (see page 5). Separating the laying distance by more than the recommended distance will hinder the performance of the heating system.

DISTANCE BETWEEN TAPE LINES			
Kit No.	TruHeat Tape Width	Minimum Distance	Maximum Distance
1	5 CM / 1.97"	4 CM / 1.57"	6 CM / 2.36"
2	5 CM / 1.97"	4.5 CM / 1.77"	5 CM / 1.97"
3	8 CM / 3.15"	5 CM / 1.97"	6.5 CM / 2.56"
4	8 CM / 3.15"	6.5 CM / 2.56"	7 CM / 2.76"
5	10 CM / 3.94"	6.5 CM / 2.56"	8.5 CM / 3.35"
6	12 CM / 4.72"	7 CM / 2.76"	9 CM / 3.54"
7	12 CM / 4.72"	11 CM / 4.33"	13 CM / 5.12"

NOTE

- In order to operate the system as a primary heat source, the tape must be laid using the **MINIMUM** recommended distance between tape lines.

Placing The Transformer Unit

Select a central location for the transformer unit where the end of the tape can be brought back to the box without any difficulty. The transformer unit is to be placed inside the wall at a height of 10-15 CM (4-6 IN.) above the floor level. Allow for a 10 CM (4 IN.) deep cut-out into the wall for the transformer unit to achieve a flushed placement into the wall.

NOTE

- When laying out the heat tape, it is important to remember that the tape starts at the transformer unit and ends at the transformer unit.
- In case of over measured tape, place it in the highest traffic area with the minimum stated distance between the tape lines. If there is a shortage, lay the tape with a larger gap between the tape lines in areas with the least amount of traffic. Be sure to follow minimum distance for tape lines shown in the table above.

CAUTION

- Do not block the transformer unit's cover as the transformer will generate some heat. Blocking the vent will prevent the heat from being exhausted.
- The transformer box may be placed inside cabinets but make sure to have air vents in place to exhaust the heat from the transformer.

Placing The Thermostat

The thermostat should normally be installed in the same vicinity as the transformer box at a height of 152 CM (60 IN.) above the floor. The thermostat may also be placed in other places by simply extending the provided cable in the transformer box (14/3 AWG SOOW cable) using the splicing method. The ideal location for the thermostat should be in the centre of the room where it can get a more accurate temperature reading. Note that the thermostat is a thermometer and measures the ambient air temperature of the room where it is located. Therefore, the FlexHEAT system operates by measuring the air temperature reading to turn on and off. System may also be operated by using floor sensor wire.

Floor construction

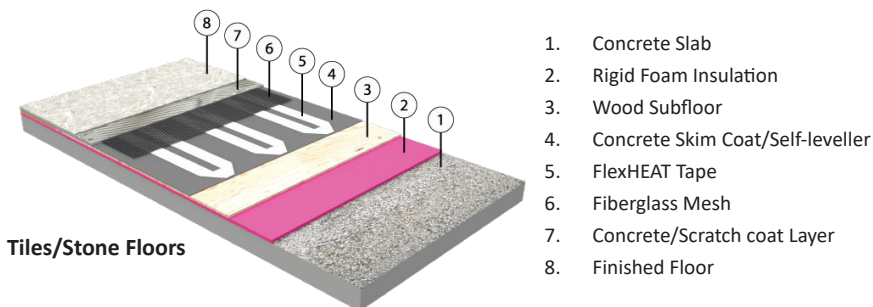
The FlexHEAT system can be installed on any standard sub-floor, as long as it is flat, smooth, and free from protrusions such as nails, screws, etc.

RECOMMENDED INSTALLATION SCHEMES

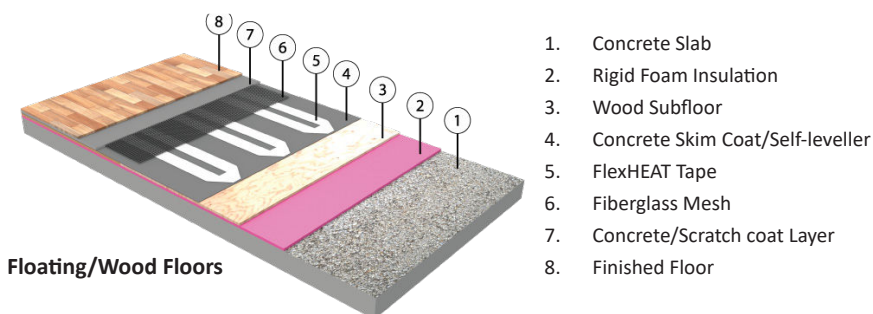
On Concrete Slab

NOTE

- It is highly recommended thermal insulation is used under the tape to prevent heat from spreading downwards. Lack of proper thermal insulation results in forcing the system to work longer than necessary with high heat loss and higher running costs.



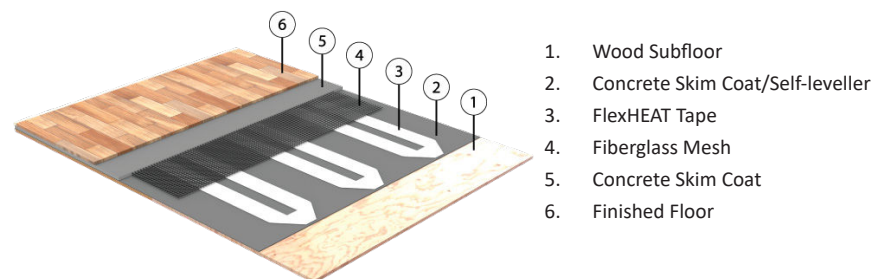
Tiles/Stone Floors



Floating/Wood Floors

- Metal mesh CANNOT be used over the heat tape.*
- Skimcoat/scratch coat on top of the tape can be 4-6mm thick*

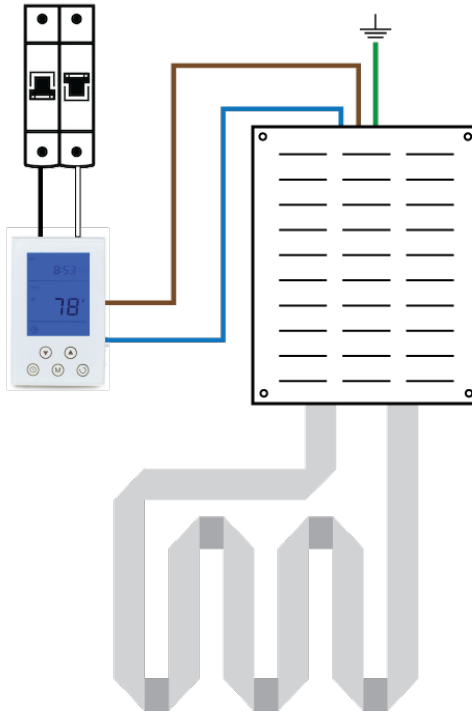
On Wood Subfloor



- Metal mesh CANNOT be used over the heat tape.*
- Skimcoat/scratch coat on top of the tape can be 4-6mm thick*

INSTALLATION

Typical Installation Overview



NOTE

- Installation process involves connecting the thermostat to the power line (120v/240v), then connecting the thermostat to the transformer unit. Finally, the heating tape is connected to the transformer unit.

Transformer Unit Installation

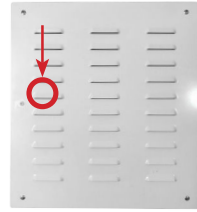
Once the ideal location for the transformer unit has been determined, start by installing the transformer unit into the wall cavity.

Box Sizes:

- Kit 1-3: (L)30 CM(11.8") x (W)26 CM(10.2") x (D)8 CM(3.14")
- Kit 4-7: (L)38.7 CM(15.2") x (W)35 CM(13.8") x (D)10 CM(4")

1. Set the transformer box down face up and take off the cover by unscrewing the 4 holes on the cover. **DO NOT unscrew the white screw located on the left side of the cover as that is for grounding** (see figure 1).
2. Remove the grounding wire connected inside the box by unlocking the nut and sliding the cover's ground wire off to fully detach the cover from the box (see figure 2 & 3).
3. The transformer unit is to be mounted inside the wall at a height of 10-15 CM (4-6 IN.) above the floor line. Ensure the box is placed inside the wall cavity to achieve a flushed install (see figure 4).
4. If installing the transformer unit on an existing wall, a smaller secondary opening should also be made where the floor meets the wall to feed the heating tape into to the transformer unit (see figure 5).
5. Once the transformer unit is mounted inside the wall, proceed to the next step of installing the heating tape.

FIGURE 1



NOTE

- Grounding screw on the cover may not be present in all model of the FlexHEAT system.

FIGURE 2



FIGURE 3



FIGURE 4

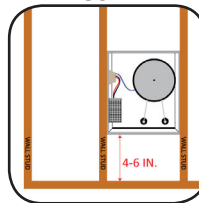
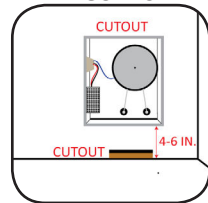


FIGURE 5



Heat Tape Installation

Once the transformer unit has been placed inside the wall, the heat tape can be installed in the desired area.

1. Tape lines should be laid 15 CM (6 IN.) away from the wall or any fixed furniture. Heat tape inside the wall can be taped down to the bottom plate using duct/gaffers/tuck tape to ensure it stays flat along the floor.
2. Connect one end of the heating tape into the transformer unit by removing the bolt and washer from the peg and lift up the transformer coil's wire from the peg. Then connect the end of the heating tape onto the peg (see figure 6).
3. Place the transformer coil's wire on top of the heating tape and finally placing the washer and nut to make the connection tight (see figure 7).

FIGURE 6



FIGURE 7



4. Start to lay the tape in an up and down format to cover desired area (see figure 9). Fold the tape over itself to go in different directions (see figure 10).
5. Make sure to follow the recommended laying distance for each kit when laying the tape. Separating the laying distance by more than the recommended distance will hinder the performance of the system (refer to page 7).
6. Hold the tape in place over the folds using duct tape or gaffers tape (see figure 11).
7. Heat tape should be laid to bring the other end of the tape back to the transformer unit.
8. Connect the other end of the heat tape to the terminal connector inside the transformer unit (see figure 7).
9. Using a multi-meter check for continuity to make sure there is no tears in the heat tape and the connection is solid. The testers of the meter should be placed on each of the metallic ends the heat tape.

NOTE

- Only continuity is to be checked on the heat tape. There is no need to check for resistance on the heat tape.

FIGURE 9

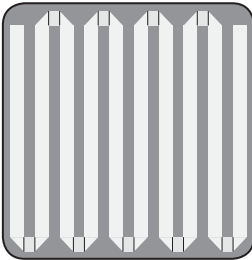


FIGURE 10

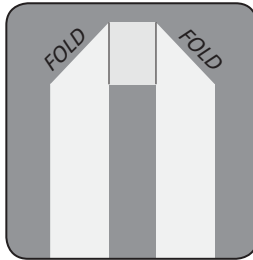


FIGURE 11



CAUTION

- **Do NOT install the flooring layer on top of the tape at this point.**

CAUTION

- **DO NOT connect the transformer unit to the main power supply at this point.**

NOTE

- In case of heat tape overage, lay more tape in the highest traffic areas with a smaller recommended distance between the tape runs. In case of shortage, lay the tape with a larger recommended gap between the tape runs in the areas with the least amount of traffic.
- Do NOT cut the heat tape in case of tape overage.

Thermostat Installation



THERMOSTAT MODEL MAY DIFFER

CAUTION ⚠

- Ensure that the breaker supplying power to the thermostat/heating system has been turned off before making electrical connections.
- This work should only be conducted by qualified personnel.

NOTE ⚠

- The TruHeat thermostats offers GFCI protection (Class A 5mA), however if another thermostat is being used then the system must be protected by a ground fault circuit interrupter (GFCI). This can be done either by the internal GFCI in the thermostat (as long as it directly controls the system), or by a GFCI protected circuit breaker. Follow all local building and electrical codes.
- The TruHeat thermostat is a dual voltage thermostat meaning it can operate at both 120 or 240 volts. (Max output: 1800W at 120V; 3600W at 240V).
- Do not load the thermostat control with more than 15 amps. The National Electrical Code specifies that each branch circuit used in conjunction with a heating system must be for the exclusive use of the heating system. Do not connect lights, outlets, etc. to any branch circuit used with the TruHeat system.

ETGM4 ClearTouch Thermostat Specifications

Power Supply	120 VAC / 240 VAC 50/60Hz	Self-consumption	<2W
Installation Method	120V electrical box, deep	Dimensions	120mm × 76mm
Outer Shell	Tempered glass +PC Alloy	Wiring	Wiring + Terminals
GFCI	Class A 5mA	Output Load	15Amp., resistive
Maximum Power	120VAC/ 1800W , 240VAC/ 3600W	Accuracy	±0.1°C (1°F)

1. Once the location for the thermostat has been determined a junction box can be installed in the wall with the power line from the electrical panel routed to it. This box should be located, unobstructed, on an inside wall so that the device reads accurately.
2. Fish the cable located in the transformer unit and bring it to the junction box. If the cable is not long enough then a 14/3 AWG SOOW cable can be used to extend it.
3. Start making the electrical connection on the thermostat by following these steps:
 - Use a screwdriver to separate the control panel and power board of the thermostat (see figure 12 & figure 13).
 - Connect the power wires to Line 1(L) & Line 2(N) wires of the power board, using the connectors provided (see figure 14).

- Connect the wires from the transformer unit to the Load 1 & Load 2 wires of the power board, using the connectors (see figure 14).

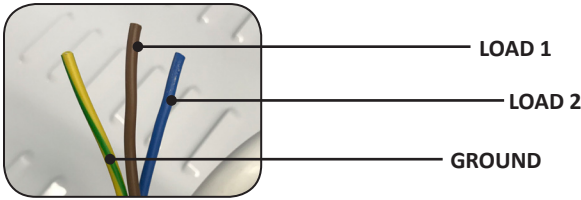


FIGURE 12

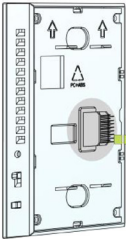


FIGURE 13

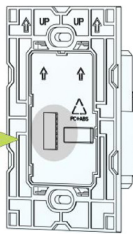
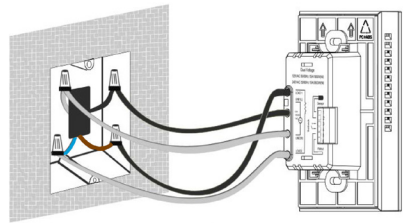


FIGURE 14



- Connect the floor sensor wire into terminals 1 & 2 behind the power board and tighten the screws with the screwdriver provided in the box.
- Install the power board into the electrical box with the 2 screws provided, and then clip & fasten the front control panel into place with the bottom screw.

Thermostat Installation...Continued

4. The floor sensor cable must pass through outside the junction box (see figure 15) and follow the wall down to the floor.
5. Drill into the base plate to pass the floor sensor wire and run the wire along the wall stud (see figure 16).
6. Position the sensor cable such that it does not come in contact with the heat tape. The sensor must be centered between two heat tape lines for best temperature control. Ensure the floor sensor probe does not touch the heating tape.

FIGURE 15

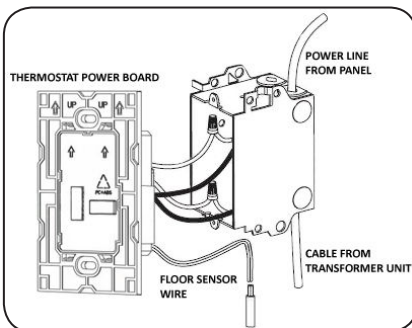
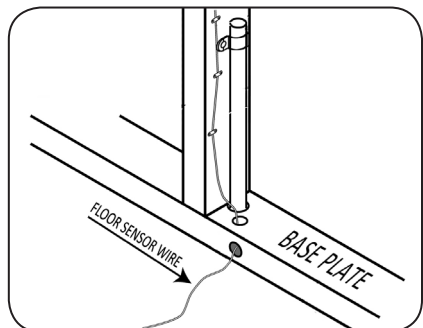


FIGURE 16



7. Tape down the floor sensor using duct/gaffers tape.
8. The probe of the floor sensor wire should be 15-35 CM (6-12 IN.) away from the wall.

NOTE

- Do not staple the sensor head (the plastic end) to the floor. Doing so may damage the sensor. Any damage might not be noticeable during testing but can become apparent several days later.
- Do not allow sensor probe to contact the heat tape.

INSPECTION AND TESTING

A visual and electrical check must be performed on the system prior to activation.

Visual Inspection:

Look for any signs of damage to the tape or electrical leads that may have occurred during installation.

Electrical Test:

Using a multi-meter, check for continuity on the tape to make sure the heat tape was not cut during the installation process. Conduct this test by disconnecting the tape ends from the transformer unit and place one probe of the meter on one end of the metallic bar of the tape and the second probe on the other end of the metallic part.

CAUTION

- It is absolutely vital to do the continuity test on the heat tape before applying any layer on top of it.

Test for Heat:

1. Place the tape ends back onto the pegs inside the transformer box. Turn on the breaker and adjust the thermostat so that the system begins heating (see thermostat instructions inside thermostat box). Conduct GFCI test on the thermostat as well.
2. After the system has been on for several minutes, run your hand over the heat tape to ensure it is warm.
3. If the tape does not become warm, double check all wiring and check for any loose connections (after turning off power at the breaker), and check for continuity on the tape again.

NOTE

- The heat tape's operating temperature is between 28-30°C (82°F-86°F) therefore the tape will generate a low, comfortable warmth. If the area is cold during installation it is likely that the tape will require a longer period than usual for the heat to be felt.
- Wiring should be performed by a licensed electrician in accordance with all applicable building and electrical codes during the installation as well as for any trouble shooting of the system. Failure to do so voids warranty.
- A test of the system to make sure it is heating properly is recommended prior to installation of finished flooring. The manufacturer will not be responsible for the replacement of the floor heating system if the system operation was not checked and verified prior to installation of the flooring.

BASIC TROUBLESHOOTING METHODS

Tape Not Warming	Disconnect the heating tape from the transformer unit and check for continuity on the heat tape. Verify that there are no loose connections and that all electrical wiring has been conducted accurately. If all connections are secure then check to see if the red LED light on the control board located inside the transformer unit turns red when the thermostat calls for heat. If the LED light does not work there could be a connection issue or the control board could be defective. If there is a change in the continuity of the tape, that means that the tape connection was shortened with another object. Common examples include: mounting of metal door sills with the use of metal screws through the heating tape, this does not damage the tape, but makes a new connection, as if the tape was shortened. As a result, the tape resistance changes and the tape does not function, because the transformer is made for specific tape resistance. In this case, the door sill has to be adjusted to avoid the heat tape.
Slow to Heat	Installations on concrete slabs can require a period of several days to warm up to desired temperature especially if the slab is uninsulated in a cold climate. Set the thermostat to maximum heat to allow system to continue running until it becomes warm. Then adjust thermostat down if needed. Verify floor temperature sensor is not directly on top of heat tape causing the thermostat to shut off more frequently.
System Too Hot	Adjust thermostat. Verify that thermostat has not been bypassed. If necessary, reposition floor temperature sensor. Make sure the tape lines are not touching each other which shortens the length of the entire tape.
Thermostat GFCI	If the thermostat trips and will not re-set, check the following: System MUST be on a dedicated branch circuit separate from any other electrical devices which could overload the circuit or create interference issues resulting in the GFCI to trip. Check electrical connections to verify there is no loose connection.
Thermostat Issues	Refer to the thermostat manual.

COMPLETING INSTALLATION

Install the finished flooring according to the manufacturer's instructions. Refer to page 6 to see recommended installation schemes for various types of floors.

NOTE

- For floating floors, it is highly recommended to install baseboards or trim around the perimeter of the room. This ensures that the floor will not lift, exposing the heat tape. The flooring manufacturer's instructions will have information about installing the baseboard or trim to allow the floor to float properly.

OPERATION

Operation of the FlexHEAT system is the same as other heating systems. Just set the thermostat to the desired temperature and the system warms your finished floors and the room.

The default control method in the thermostat is set to measure only ambient air temperature so it must be switched to measure both Air and Floor temperatures.

NOTE

- Since each FlexHEAT kit has its own thermostat, you can individually tailor room temperatures based on activity or occupancy. For instance, if a room is rarely used, you can set its thermostat lower to conserve electricity.
- Before you leave your home for an extended period of time, lower the temperature settings to reduce the power consumption.
- Setting the thermostat to a very high temperature will not make a room warm up faster – it will merely result in the occupants being too hot when the set temperature is ultimately reached.
- High airflow velocities (from open doors or windows or extreme drafts) may make occupants feel cold.

NOTES

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CONTACT INFO

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