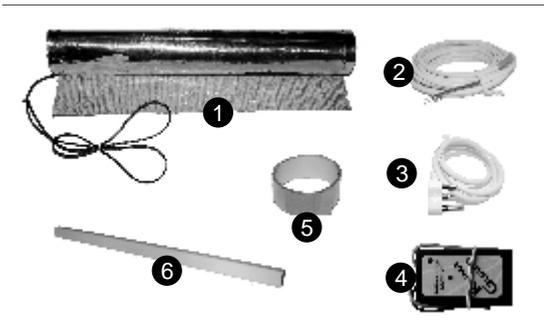




## INSTALLATION INSTRUCTIONS

# Wood B-Warmer®

Congratulations on your purchase of one of the safest and most effective floor heating systems. Please take a few minutes to read these installation instructions and guide to ensure that you enjoy many years of trouble-free service from your COLDBUSTER® wood floor heating system.



### Box contents

1. Heater - Purple stripe
2. Probe
3. 16Amp moulded plug
4. KlimaGuard®
5. Tape
6. Trunking

Compatible with these thermostats models:



EzeeStat II™



RemoStat™

Thermostats should be carefully selected in order to maximize comfort levels, reduce energy consumption and enhance lifestyle.

COLDBUSTER® offers two types of thermostats suitable for under wood, programmable and wireless programmable.



## IMPORTANT NOTES

- This appliance is for indoor use only
- The heating units are to be separated from other heat sources.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard
- The KlimaGuard® should be connected to your heater during installation of your flooring. This is to monitor any damages that may occur during the installation.
- After installing the heating system the wood laminate installation must be performed strictly according to the manufacturers instructions, paying special attention to expansion gaps around the perimeter of your flooring.
- Skirting should be attached to the walls and not the laminate flooring.
- Carefully cut the laminate to fit around the trunking.
- Do not drill, grind or hammer nails into the flooring, as this may damage the heating elements (eg. doorstoppers).
- User guide should be kept in a safe place for future reference.

## 1. Planning

### ADDITIONAL TOOLS:

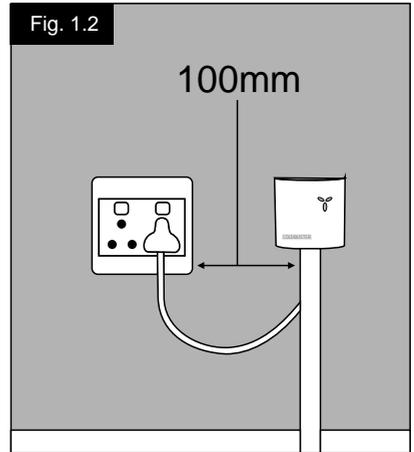
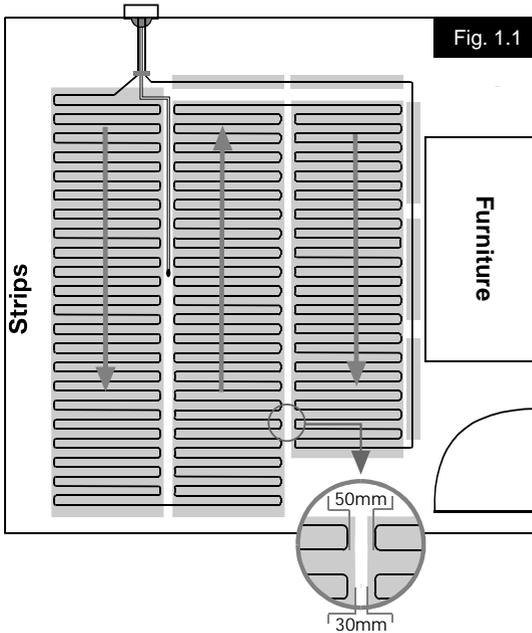
Basic tools required: glue gun or spray can with glue; scissors; pencil; measuring tape; stanley knife; pliers; small chisel and hammer; screw driver and insulation tape.



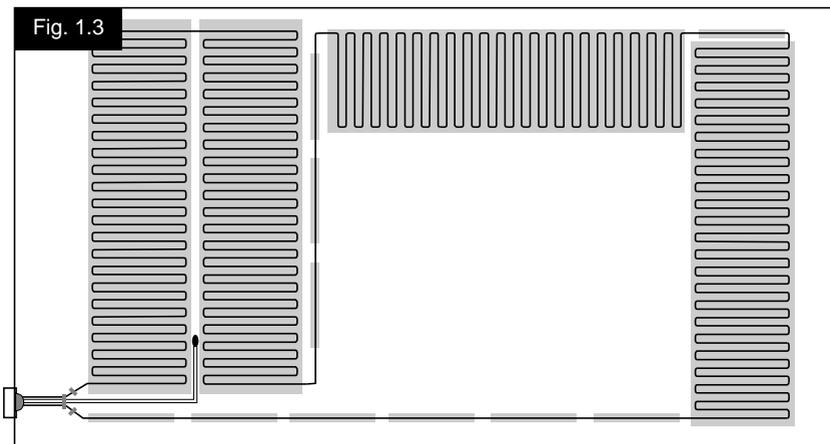
Before starting, carefully plan the position and layout of the heater in the area to be heated. The heater is manufactured in a strip form either 300 or 600mm wide. The strip is laid out onto the floor allowing a 50mm gap between element loops (see drawing). Thereafter, the heater is taped down using the tape provided.

This configuration allows the heater to be installed with a width of 1, 2, 3, 4 etc, times the width of the strip (+50mm gap between strips). The length of the heater becomes  $\frac{1}{2}$ ,  $\frac{3}{4}$ , etc, of the original strip length. The strips may also be taken apart by cutting the carrier and sticking the element down in any position.

The position of the thermostat/electrical supply point must be marked. Below the controller position or supply point, chip away the floor screed with a small chisel to form a cavity about 10mm deep to allow the connector blocks to be recessed into the floor. Keep the trunking about 100mm away from the supply socket to allow for an optional multiplug socket. (Fig. 1.2)

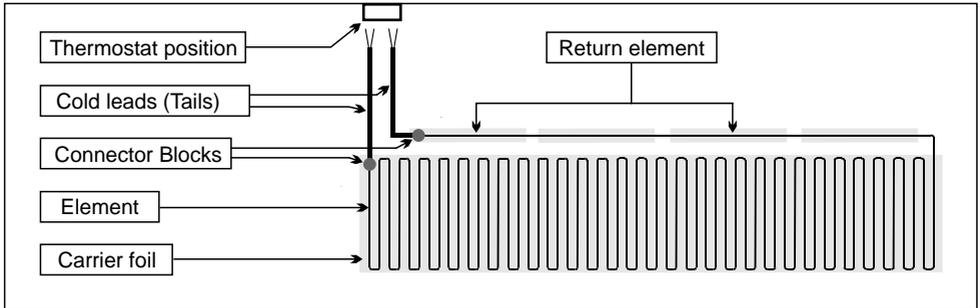


Below is a typical layout for a bedroom (Fig.1.3)



## Getting started

Familiarize yourself with the terminology.



## 2. Installation instructions

Connect the KlimaGuard® monitor (Fig. 2.1) according to the instructions in the KlimaGuard® packet to test the heater prior to commencing installation. Leave connected during the entire installation and flooring process. If the KlimaGuard® beeps then there may be a break in the element. In that case stop fitting the floor immediately and call the help line.

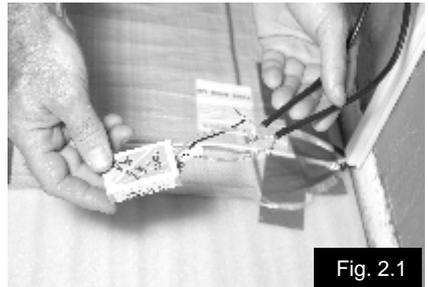


Fig. 2.1

The floor must be dry (maximum 1¼% moisture content) and smooth with no stones or foreign objects that could damage the element. Place flooring underlay before laying down the underfloor heating. To secure the underlay to the floor, either glue it down with contact adhesive or apply double sided tape. Alternatively a hot glue gun or spray glue may be used. (Fig. 2.2 and Fig. 2.3)

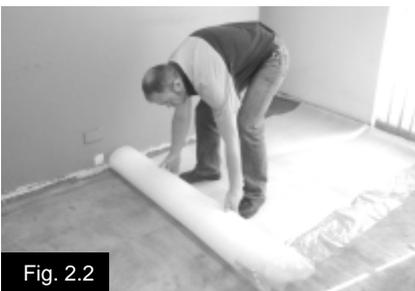


Fig. 2.2

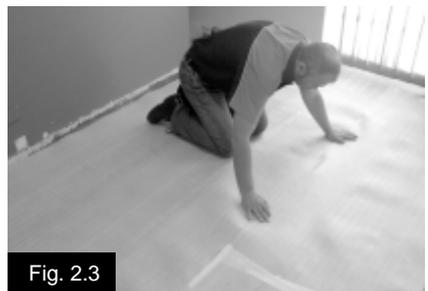


Fig. 2.3

5.

Unroll the heater on the floor, foil side down (Fig. 2.4). Cut the carrier where necessary (Fig. 2.5) to allow the element to be placed in the best position. Take care not to cut through the element. Ensure a 50mm gap between the element strips (Fig. 1.1).



Fig. 2.4

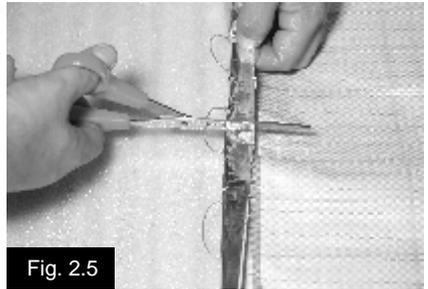


Fig. 2.5

Once you have cut between the element strips lay down the panel running in the opposite direction (Fig. 2.6)

Continue to unroll the remainder of the heater (Fig. 2.7)

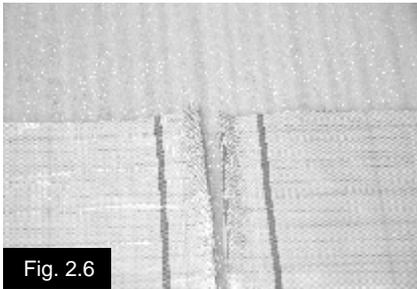


Fig. 2.6

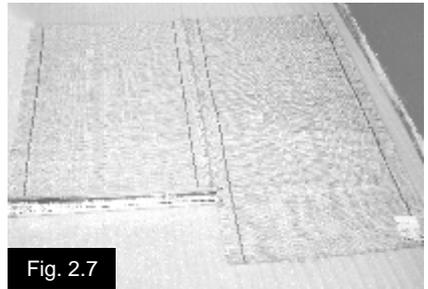


Fig. 2.7

The strips may be taken apart further (Fig. 2.8) by cutting the carrier and sticking the element down in any position. Again take care not to cut the element. Avoid excessive traffic across the heating element. Once the heater has been positioned, tape the heater down to the underlay with the tape provided. (Fig. 2.9)

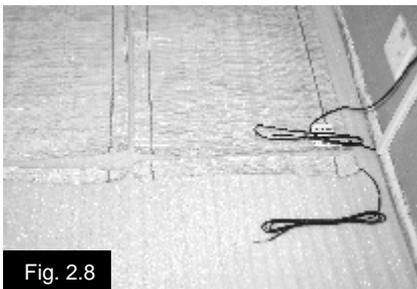


Fig. 2.8



Fig. 2.9

Cut the carrier in order to create a return element of sufficient length to take the connector blocks back to the cavity (thermostat) position (Fig. 2.10)  
Reconnect the monitor.

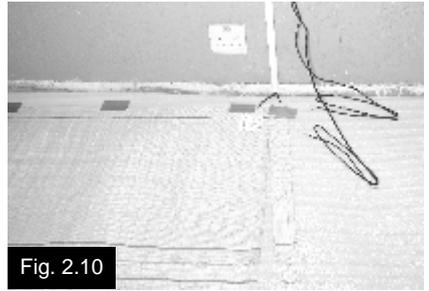


Fig. 2.10

## Probe/Sensor placement

Under wood heating requires the use of a sensor (EzeeProbe™) to limit the surface temperature of the floor so that the laminate flooring doesn't buckle or warp from excessive heat. This ensures that your laminate flooring maintains its aesthetic appearance.

Run the sensor wire along the edge of the heater panels, from the thermostat to an approximate point in the centre of the floor heater (Fig. 2.11)  
Using the tape provided fasten the end of the probe sensor (supplied in box) to the heater surface precisely between two elements (Fig. 2.12). At no point must the wire of the sensor touch or lie close to the element or you risk getting an incorrect temperature reading. Multiple heaters each require a separate sensor.

The final layout should look something like (Fig. 2.13).

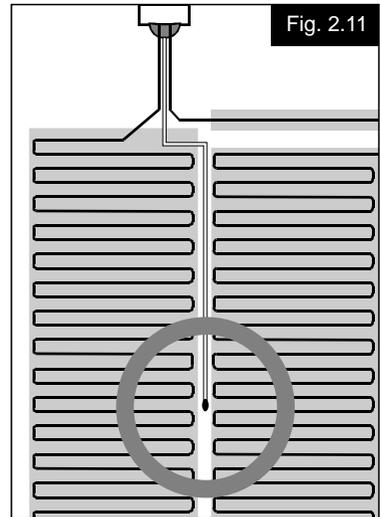


Fig. 2.11



Fig. 2.12

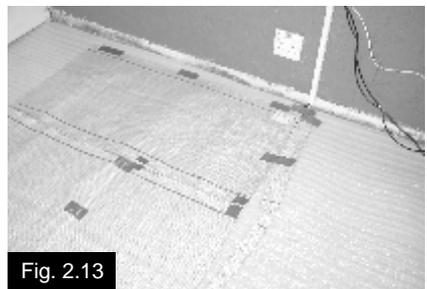


Fig. 2.13

### 3. Thermostat connection

**Retrofit:** Your COLDBUSTER® heating system is classified as an electrical appliance. You are therefore not required to be an electrician to install the heater.

**New building or renovation:** All permanent electrical connections must be undertaken or be approved by a qualified electrician and must be in accordance with electrical standards.

If you do not use the 16 amp plug supplied, a double pole isolator is required to disconnect the heater(s) from the electrical supply (your electrician can advise).

Ensure that the heating is connected through an ELCB (Earth leakage circuit breaker). Plug sockets are all ELCB protected. Test your ELCB regularly to ensure it is working.

EzeeStat II™ and RemoStat™ connections are as per insert inside the packaging of these models.

**Bathrooms/showers:** Ensure the thermostat and it's connections are at least 600mm (0.6m) away from the bathtub or shower pan measured in a horizontal direction and take special care that bathroom floor heaters are properly earthed and connected through an ELCB (consult an electrician).

Place the cold lead wires up through the trunking supplied with the heater and attach the trunking to the surface of the wall (Fig. 3.1), leading to where the thermostat or wireless receiver will be placed (Fig. 3.2).



Fig. 3.1

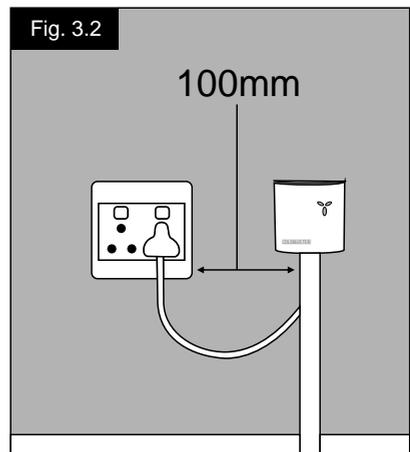


Fig. 3.2

**Note:**

To connect your choice of thermostat via a plug and socket, refer to the relevant installation guidelines for the thermostat.

With programmable thermostats it is advisable to mount the thermostats higher (at eye level position).

Wiring can be hidden behind walls or in cupboards.

eg. Cold tails can be wired through wardrobes or built in cupboards.

## Limited Product Warranty

COLDBUSTER® products are guaranteed to be defect free at the time of supply to the purchaser. The manufacturer's liability is limited to the replacement of faulty heaters.

The manufacturer and COLDBUSTER® assume no responsibility for the improper installation of it's products nor for any consequential loss.

We recommend that COLDBUSTER® floor heating is installed by an experienced installer and that electrical connections be made by a qualified electrician.

## Contact details

COLDBUSTER® Help Line 0860 554 629  
info@coldbuster.co.za  
www.coldbuster.co.za



Manufactured by  
Klimax Manufacturing Ltd.  
222 Van Dyk Road  
Boksburg East  
South Africa