

Energy Efficient  
· Just pennies a day  
to run!

Safe  
· No EMR/RF  
· No Carbon Monoxide  
· No Burning

GFCI-protected  
· No Electric Shock

UL-listed

*RugBuddy*<sup>™</sup>  
is Space Heating



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[www.speedheat.us](http://www.speedheat.us)



**SPEEDHEAT**<sup>®</sup>  
is FLOOR HEATING

Models:

USC.470.11.120 · USC.370.11.120 · USC.165w.11.120 · USC.165L.11.120 · USC.065.11.120

**Plug-in, Portable Heater for under Your Area Rug!**

**Installation Instructions and Operating Safety Advice**



**IMPORTANT**

Please Read Carefully Before Operating

**YOU MUST USE A RUG PAD UNDER YOUR RUGBUDDY™!**

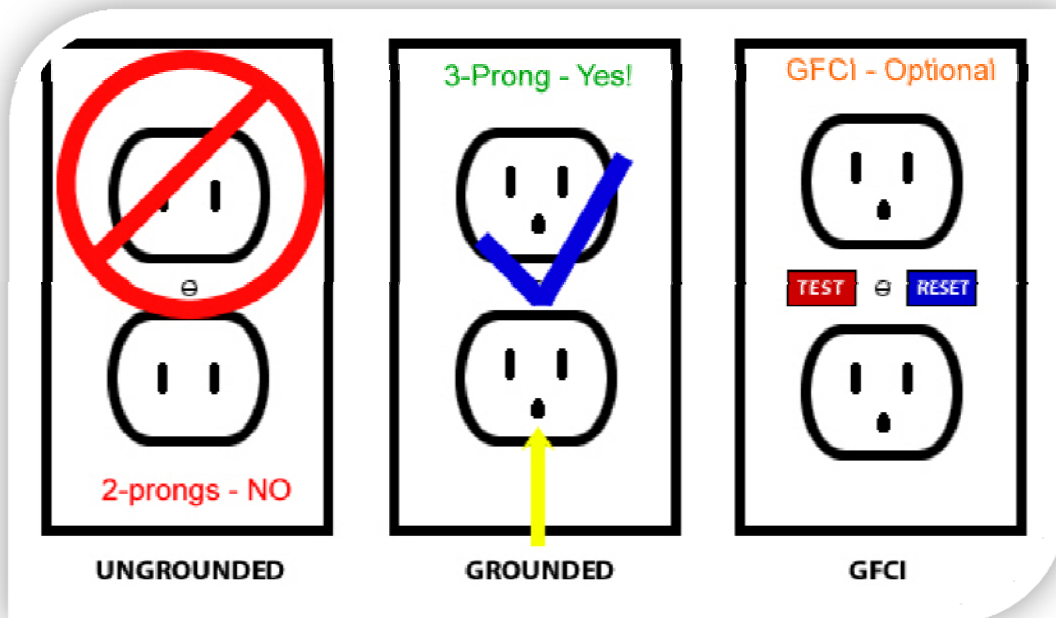
Speedheat<sup>®</sup> is Floor Heating  
[www.speedheat.us](http://www.speedheat.us)



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## TESTING AND TROUBLESHOOTING

1. Remove the RugBuddy™ from the box.
2. Write down model number and serial number of the RugBuddy™ on packing slip or invoice for future reference.
3. Unfold the panel completely, stretching it so that there are no creases.
4. **Before Installation, check that the RugBuddy™ is working properly.**
  - Plug unfolded heater in to a **3-prong outlet**.
  - Press **TOP “Reset”** button.
    - You should notice a **RED LIGHT** on GFCI plug.
      - If not, **press BOTTOM button** then, **“Reset”** again.
      - If red light still does not come on, plug another appliance such as a lamp in to outlet to test if outlet is operating correctly. If outlet is working properly with lamp, call Speedheat® Technical Support at 1-888-WARM FLOOR (888-927-6356) ext. 201.
5. **Wait 2-3 minutes** after plugging in with red light illuminated.
  - Place your hand on the unfolded panel, and you should feel heat coming from the element wire. If there is no heat, disconnect the heating panel and call Speedheat® Technical Support at 1-888-WARM FLOOR (888-927-6356) ext. 201.
6. If RugBuddy™ is working properly, disconnect it from the outlet, and continue with installation.



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**NON-SLIP AND INSULATION PADDING SPECIFICATION AND INSTALLATION****\* IMPORTANT!**

- **YOU MUST USE A RUG PAD UNDER YOUR RUGBUDDY™!**
- **YOU MUST USE A RUG OR CARPET ON TOP OF YOUR RUGBUDDY™!**

**1. For best results:**

- If area rug is placed over a hard surface, such as ceramic tile or wood, a non-slip pad should be used for thermal insulation that exceeds 1/8 inch.
- If area rug is placed over a soft surface, such as wall-to-wall carpeting, a non-creep cushion or padding should be used and may be less than 1/8 inch.
  - The cushion or padding should be trimmed to be 1 inch smaller than area rug on all four sides.

**2. Place the cushion or pad in the desired position on top of the existing floor covering.****3. If the floor covering is Ceramic Tile and installed over a concrete slab, a thermal insulation pad must be used to ensure acceptable heating performance of the RugBuddy™. Speedheat® offers these for your convenience, or you may use any non-slip thermal insulation padding for area rugs that you prefer.**

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## RugBuddy™ HEATING PANEL INSTALLATION

1. Place the heating panel over the cushion or pad in the desired position, ensuring that **HEATING PANEL IS COMPLETELY FLAT** with **NO CREASES OR FOLDS**.

**Note:**

- For best results, cushion pad should be at least 1 inch larger than the heating panel on all four sides. If it is not, **Do NOT CUT THE HEATING PANEL**. Unless negligible, a different RugBuddy™ size may be required.
- There is no top or bottom of the RugBuddy™. You can flip the heating panel whichever way is most convenient for your installation.
- The power supply cord is 6' long, flat, and located in the corner of the heater. This should be kept clear of walkways, so that people do not trip over the cord.

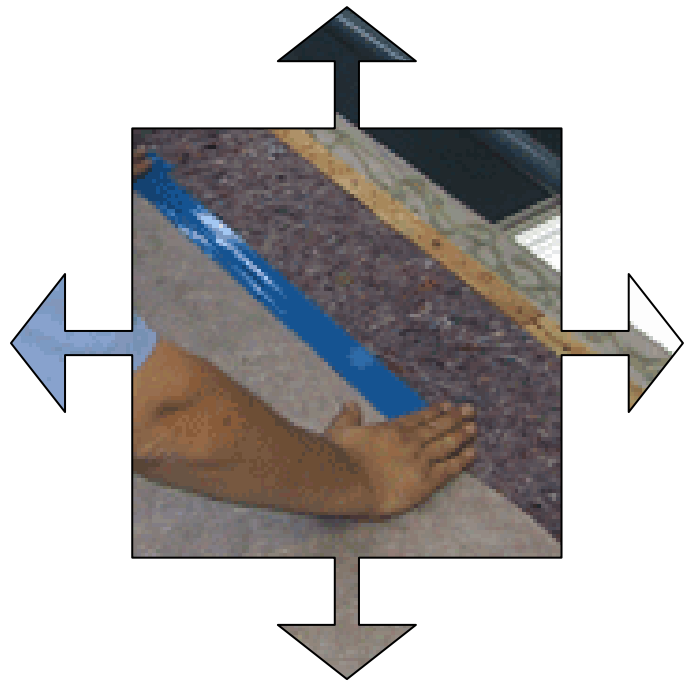
2. **SECURE THE PANEL** to the pad or cushion with a strong adhesive tape at each corner and in at least one additional place along each edge.

**TAPE AT:**

- Each corner
- At least one additional place along each edge.

**NOTE:**

- The supply cord must never be plugged in under the area rug.
- The supply cord must never be looped under the area rug to take up excess length.
- Additional protective layers are necessary for reversible and extremely high value rugs. Heating panels should not be placed under irreplaceable rugs.



**IMPORTANT!**

- **NEVER Fold over the RugBuddy™ while in operation or allow it to operate unless it is COMPLETELY FLAT with NO CREASES or FOLDS!**

Models: USC.470.11.120 · USC.370.11.120 · USC.165w.11.120 · USC.165L.11.120 · USC.065.11.120

## AREA RUG INSTALLATION

1. Place the area rug over the heating panel.

**Note:**

- For best results, cushion pad should be at least 1 inch larger than the heating panel on all four sides. If it is not, **DO NOT cut the heating panel.** *Unless negligible, a different RugBuddy™ size may be required.*
- There is no top or bottom of the RugBuddy™. You may flip the heating panel whichever way is most convenient for your installation.
- The power supply cord, which is located in the corner of the heating panel should be kept clear of walkways so that people do not trip over the cord.



2. Attach the area rug to the cushion or padding with strong double-sided adhesive tape.

**Tape at:**

- Each corner
- At least one additional place along each edge.

**IMPORTANT!**

- **NEVER Fold over** the RugBuddy™ while in operation or allow it to operate **unless** it is **completely flat with NO CREASES or FOLDS!**

3. Plug the GFCI plug in to the 3-prong, grounded outlet.



- Press **TOP "Reset"** button.
  - You should notice a **RED LIGHT** on GFCI plug.
    - If not, **press BOTTOM button** then, **"Reset"** again.

4. **Wait about 20 minutes**, and place your hand on top of the area rug. If instructions are followed properly, you should feel a 10 – 15° F temperature difference to the surrounding, unheated floor. If not, see **TESTING and TROUBLESHOOTING** on Page 1 of this manual.

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## TIMER and THERMOSTAT INSTALLATION



1. A 120V, grounded timer can be used with the RugBuddy™.  
*These can be purchased at your local hardware store.*

2. A 120V, grounded, Remote Control Outlet System can also be with RugBuddy™.  
*These can be purchased online or check your local hardware store.*

3. The EnergyStar® PlugBuddy SmartStat™ can be plugged into your wall and programmed to operate your RugBuddy™ without having to worry about turning it on or off.



4. If you would like to install a hard-wired thermostat, please visit our website at <http://www.speedheat.us/smartstat.htm> to order or for installation instructions.

RugBuddy™ Warranty

*This product is manufactured exclusively for Speedheat® by Klimax Mfg. Ltd.*

The manufacturer, Klimax Manufacturing Ltd, guarantees this under area rug electric radiant heating panel against failure from any manufacturing defects as well as normal wear and tear for a period of 5 years from date of installation. If the installation date cannot be determined, the invoice date to the customer or manufacturing date will be considered the installation date.

There are no other express or implied warranties. Liability is limited to the repair or replacement of the heating panel only, and does not extend to thermostats or any other accessories. No liability for consequential damages will be accepted.

**The warranty is subject to the following conditions:**

1. That the customer retains proof of payment and returns a fully completed warranty registration form for each heating panel purchased to the address shown on the reverse side of the warranty registration form.
2. That the installation has been carried out in accordance with the installation instructions. Any work carried out by a qualified electrician must be supported by written evidence of such work
3. That the heating panel is used in accordance with the operating instructions and precautions.

Invoice Number:

RugBuddy™ Warranty Registration Form

*Please complete this form and mail or fax to Speedheat®.*

Invoice Number:

I hereby acknowledge that I have read, understood, and complied with the installation instructions and operating precautions accompanying the heating panel bearing the serial number quoted above, and I accept the terms of the warranty as expressed on the page above this registration form.

\_\_\_\_\_  
First name

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Middle

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Last name

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Street Address

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Email

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Signature

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Date

**SPEEDHEAT®**  
is FLOOR HEATING



*The World Leaders in  
Energy Efficient  
Electric Radiant Floor Heating!*

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**RugBuddy™ Warranty Registration Form**

*Please place this form in a stamped envelope, and mail or fax to:*

**SPEEDHEAT Floor Heating**  
**Attention: RugBuddy Warranty Registration**  
120 Arnold Mill Park, Suite 100  
Woodstock, GA 30188

**Toll-free: 1-888-WARM FLOOR**

**Fax: 1-888-927-6357**

[www.speedheat.us](http://www.speedheat.us)