

OPERATING INSTRUCTIONS

InstAlarm™ is designed to sound an alarm if continuity in the heating wire is broken by cutting the wire or if there is a short circuit between ground and heating wires. Connect InstAlarm to your mat(s) before starting your floor installation and leave it connected until your installation is complete.

1. Open the back panel and insert a 9V battery. Make sure the polarity is correct.
2. Loosen the 3 terminal screws on the front bottom.
3. **For One Mat:**
 - a. Insert the ground wire from the mat into the **G** terminal from the underside of the device (see holes in bottom) and tighten the G terminal screw.
 - b. Insert the heating lead wires from the heating mat (black and white or black and red) into the **L1** and **L2** terminals (no polarity) from the underside of the device. Tighten the **L1** and **L2** screws.
4. **For Up To Three Mats (see diagram below):**
 - a. Insert one heating lead wire from one heating mat (black, white or red) into the **L1** terminal from the underside of the device (see holes in bottom).
 - b. Insert the opposite heating lead wire (black, white, or red) from a **DIFFERENT** mat into the **L2** terminal from the underside of the device.
 - c. Connect the remaining heating lead wires so that the mats are connected in series.
 - d. Connect all ground wires together and connect them to the **G** terminal.
5. Turn the switch to the **ON** position.
6. The **green light** indicates the device is working properly and continuity is OK.
7. The **red light** and **alarm** indicate that the lead wires are loose, or continuity has been broken, or there is a short circuit between ground and heating wires.
8. Press the **TEST** button to simulate broken continuity or short circuit and test the alarm before starting your installation.

InstAlarm may not detect nicks in the heating wire that could cause GFCI tripping if the nick does not result in an open or short circuit. Therefore, after laying out your mats, we recommend connecting your heating mats to power and GFCI to test the operation before adding your final floor covering. ThermoSoft is not liable for any costs associated with damage found or not found by InstAlarm. We recommend that you keep a photo or drawing of your heating system layout to aid possible troubleshooting.

