

Screamer

OPERATING INSTRUCTIONS

The heating elements are tough, but they could be damaged on the jobsite. We recommend the screamer to monitor your mats during every installation step. The screamer will immediately warn you in the event of damage. If the alarm sounds, stop work and check operation step in the Installation manual.

PREPARATION

1. Open the battery compartment cover and insert two(2)AAA batteries. Make sure the batteries are installed in correct polarity as shown in the battery compartment. See figure 1.
2. Replace the battery compartment cover and switch the unit to "ON".
3. The alarm should sound and the red light should be when there are no connections to a mat or cable. If these things do not occur, inspect the battery connection or replace the batteries.
4. During normal use, the green light indicates that the screamer is monitoring the mat or cable for damage. Should the green light go out, replace the batteries before continuing work.

OPERATION

Make sure the mats and/or cables to be monitored are not connected to a power source.

Connect the system leads at the beginning of project to detect faults. See Figure 2.

The screamer is designed to monitor the mats or cables individually. However, by making a temporary "series" connection of multiple mats or cables, it can monitor up to three (3) products at one time.

1. FOR A SINGLE MAT OR CABLE: Strip the insulation around the tip of the cold cable and separate the sheath ground wire. Insert each lead wire of the cold cable into L1 and L2 terminals with the ground wire inserted into the E terminal. Tighten the terminal screws onto the wires. See Figure 2.
2. FOR UP TO THREE MATS OR CABLES: Connect one lead wire (not the ground wire) from one mat or cable into the L1 terminal. Connect one lead wire (not the ground wire) from a DIFFERENT mat or cable into the L2 terminal. Now connect the remaining lead wires so the mats or cables are in a "series" with one another. If this is not done properly, the screamer may not correctly monitor the mats or cables. Lastly, connect all the ground wires from the mats or cables together to the E terminal. See Figure 3.
3. Set the switch to the "ON" position.
4. A green light indicates the screamer is operating.
5. Hang or place the screamer where it can be seen and heard during heating product installation.
6. A red light and alarm indicate lead wire have come loose from terminals or damage has occurred to the heating product.

Please note: for added protection, we recommend all mats be tested with an Ohm's meter for more specific readings.



Figure 1

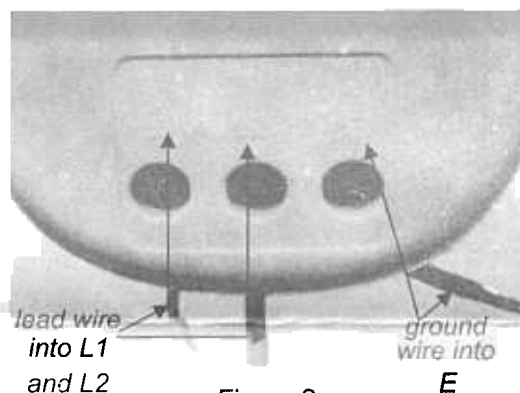


Figure 2

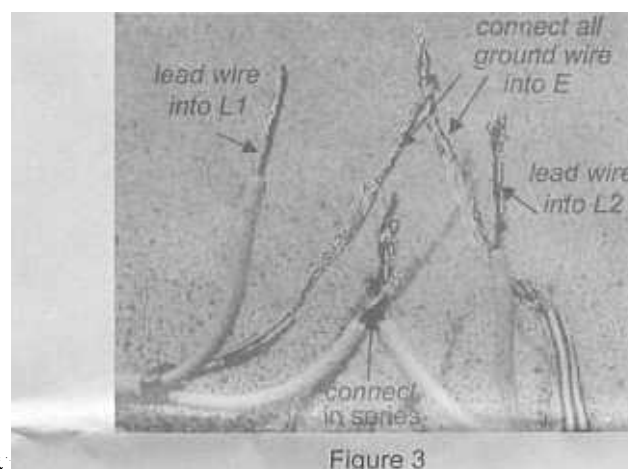


Figure 3

ALARM INSTRUCTIONS

"X" indicates alarm

Leads	Short circuit	Open circuit
L1, L2	N/A	X
E, L1	X	N/A
E, L2	X	N/A
E & L1+L2	X	N/A