

# Screamer Monitor

## 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.



Figure 1

## PREPARATION

1. Switch the unit to "ON". The alarm should sound and the red light should flash when there are no connections to a mat or cable. If these things do not occur, open the back cover, inspect the battery connections or replace the 9V battery. See figure 1.
2. During normal use, the white light indicates that the screamer is monitoring the mat or cable for damage. Should the white light go out, open the back cover, replace the 9V battery before continuing work. See figure 1.

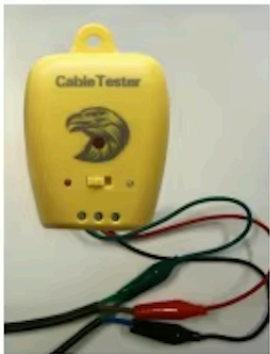


Figure 2

## 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 the 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 the red and black clips with the ground wire inserted into the green alligator clip. See Figure 2.

2. FOR UP TO THREE MATS OR CABLES: Connect brown lead wire (not the ground wire) from one mat or cable into the red clip. Connect blue lead wire (not the ground wire) from a DIFFERENT mat or cable into the black clip. Now connect the remaining lead wires so the mats or cables are in a "series" with one another. Cover the connections with insulation tape. If this not done properly, the screamer may not correctly monitor the mats or cables. Lastly, connect all the green ground wires from the mats or cables together to the green alligator clip. See Figure 3.
3. Set the switch to the "ON" position.
4. A white 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 wires have come loose from terminals or damage has occurred to the heating product.

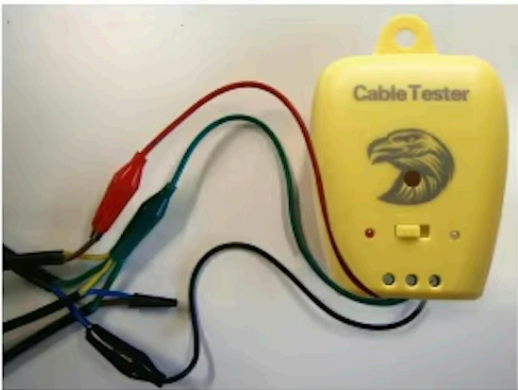


Figure 3

## ALARM INSTRUCTIONS

"X" indicates alarm

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

Please note: for added protection, we recommend all mats be tested with an Ohm's meter for more specific readings. and on completion of the floor finish with an insulation (Megger) tester set @500v. The insulation reading must be between infinity and 1MOhm.