



# WIRE EYE™

DS-604.0-0314

**Globally Proven  
Construction Solutions**



## 1. PRODUCT NAME

WIRE EYE™ Electric Wire Fault Indicator

## 2. MANUFACTURER

LATICRETE International, Inc.  
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## 3. PRODUCT DESCRIPTION

WIRE EYE Electric Wire Fault Indicator is an installation tool designed specifically to be used during the installation of floor warming products. Floor warming lead wires are attached to the WIRE EYE device allowing for continuity monitoring during the installation process. In case of lost continuity, the WIRE EYE emits an alarm to alert the installer of a potential problem.

## 4. TECHNICAL DATA

Requires 2 AAA Batteries (Included).

### Cautions

- Floor warming lead wires should also be tested with an Ohm meter for more specific readings.
- Under no circumstances should the WIRE EYE Electric Wire Fault Indicator be connected to a live electrical current.

## 5. INSTALLATION

### Preparation

- A. 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.
- B. Replace the battery compartment cover and switch the unit to "ON".

- C. The alarm should sound and the red light should be lit when there are no connections to a mat or cable. If this does not occur, inspect the battery connection or replace the batteries.
- D. During normal use, the green light indicates WIRE EYE 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.

WIRE EYE 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 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, WIRE EYE 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.

Figure 1



Figure 2

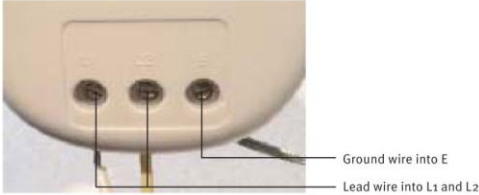
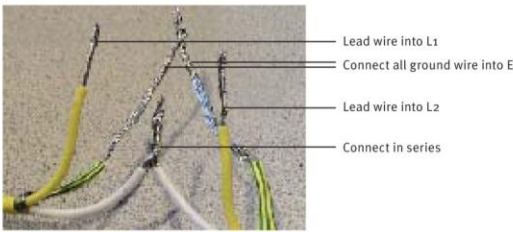


Figure 3



3. Set the switch to the "ON" position.
4. A green light indicates WIRE EYE™ is operating.
5. Hang or place WIRE EYE 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.

## 6. AVAILABILITY AND COST

### Availability

LATICRETE® and LATAPOXY materials are available worldwide.

### For Distributor Information, Call:

Toll Free: 1.800.243.4788, ext 235

Telephone: +1.203.393.0010

For on-line Distributor information, visit LATICRETE at

[www.laticrete.com](http://www.laticrete.com).

### Cost

Contact a LATICRETE Distributor in your area.

## 7. WARRANTY

See 10. FILING SYSTEM:

DS 230.13: LATICRETE Product Warranty (United States and Canada)

## 8. MAINTENANCE

WIRE EYE should not require any maintenance. If used multiple times, device may require replacing batteries.

## 9. TECHNICAL SERVICES

### Technical Assistance

Information is available by calling the LATICRETE Technical Service Hotline:

Toll Free: 1.800.243.4788, ext. 235

Telephone: +1.203.393.0010, ext. 235

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### Technical and Safety Literature

To acquire technical and safety literature, please visit our website at [www.laticrete.com](http://www.laticrete.com).

## 10. FILING SYSTEM

Additional product information is available on our website at [www.laticrete.com](http://www.laticrete.com).

The following is a list of related documents:

DS 230.13: LATICRETE Product Warranty (United States and Canada)

DS 605.0: Floor Heat

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