

## JHE-LG-GET

### End of Circuit Monitor Light Kit

### Instruction Manual



You must read and understand this manual before installing, operating, or servicing this product. Failure to understand these instructions could result in an accident causing serious injury or death.

Keep these instructions for future reference.

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## INTRODUCTION

Thank you for purchasing a BriskHeat JHE-LG-GET end of circuit monitor light kit. The durable corrosion resistant enclosure provides premium protection for your electrical end seal. This product is designed to provide a long and efficient service life with function, reliability, and safety in mind. JHE-LG-GET kit is approved for use in non-hazardous area (ordinary) locations with Self-Regulating heating cables. The JHE-LG-GET kit is CSA approved for use in hazardous area locations (Class I, Div 2; Class II, Div 2; Class III) with SLCBL series heating cable only.

For additional information concerning this product, or other BriskHeat products, please contact your local BriskHeat distributor or contact us toll free (U.S. / Canada only) at 1-800-848-7673 or 614-294-3376.

## APPROVALS



Class I, Division2, Groups A, B, C, D;  
Class II, Division2, Groups F, G;  
Class III; T5 or T6;

### **SAVE THESE INSTRUCTIONS!**

Additional copies of this manual are available upon request.

## IMPORTANT SAFETY INSTRUCTIONS



### SAFETY ALERT SYMBOL

The symbol above is used to call your attention to instructions concerning your personal safety. It points out important safety precautions. It means **“ATTENTION! Become Alert! Your Personal Safety is involved!”** Read the message that follows and be alert to the possibility of personal injury or death.

### DANGER

A person who has not read and understood all operating instructions is not qualified to operate this product.

### DANGER

- Do not immerse end seal in liquid.
- Keep volatile or combustible material away from end seal when in use.
- Use end seal only in approved locations.
- Keep sharp metal objects away from end seal.

Failure to observe these warnings may result in electric shock, risk of fire, and personal injury.

### WARNING

#### End-User Must Comply to the Following:

- Only qualified personnel are allowed to connect electrical wiring.
- Disconnect all supply power at the source before making any power connections.
- All electrical wiring must follow local electrical codes and highly recommend following NEC Article 427.
- The person who performs the final installation / wiring must be qualified for this work.
- The end-user is responsible for providing a suitable disconnecting device.
- The end-user is responsible for providing suitable electrical protection device. It is highly recommended that a ground fault circuit breaker be used.

Failure to observe these warnings may result in personal injury or damage to the product and/or property.

### DANGER

Immediate hazards which **WILL** result in severe personal injury or death.

### WARNING

Hazards or unsafe practices that **COULD** result in severe personal injury or death.

### CAUTION

Hazards or unsafe practices that **COULD** result in minor personal injury or property damage.

### CAUTION

- Inspect all components before use.
- Do not use end seal kit if any component is damaged.
- Do not repair a damaged or faulty component.
- Do not crush or apply severe physical stress on any component of system.
- Do not operate end seal kit above rated temperature value.
- Fasten end seal kit to the pipe using approved methods only.

Failure to observe these warnings may result in personal injury or damage to the product and/or property.

## PRODUCT OVERVIEW

### Description

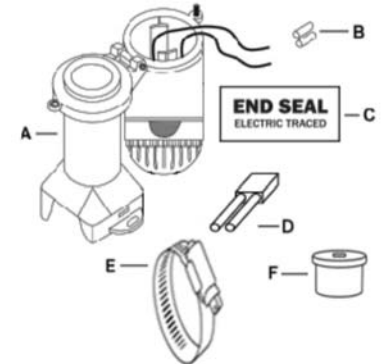
- The JHE-LG-GET is an end of circuit monitor light kit with a 360° visible LED light that indicates current at the end of the circuit.
- Once installed, the lighted end termination kit is easily re-entered for maintenance without the need to remove insulation.
- This kit may be installed at temperatures as low as -40°F (-40°C). For easier installation, store above freezing until just before installation.
- For use with self-regulating heating cables.
- CSA certified for use with BriskHeat heating cable (SLCBL, 3, 5, 8, 10, 12 W/ft).
- T6 for 3, 5, 8, and 10 W/ft, T5 for 12W/ft.

### Specifications

- Maximum current: 32 A
- Maximum Voltage: 240 VAC
- Maximum Continuous Exposure Temperature (T5): 212°F (100°C)
- Ambient Exposure Temperature: -40°F ≤ Ta ≤ 149°F (-40°C ≤ Ta ≤ 65°C)

### Kit Includes

Item	Qty	Description
A	1	End seal stand and light assembly with o-ring and grommet.
B	2	16-14 Insulated parallel splice crimp
C	1	End seal label
D	1	Silicone Lead termination boot
E	1	Stainless-Steel pipe strap (up to 6")
F	1	Rubber strain relief grommet



### Tools and Materials Required for Installation

- Wire cutters
- Utility knife
- Phillips screwdriver
- Needle nose pliers
- Slotted screwdriver or 5/16 in nutdriver
- Pipe strap
- Fiber glass tape

## PRIOR TO INSTALLATION

### WARNING

- This component is an electrical device that must be installed correctly to ensure proper operation and to prevent shock or fire. Read these important warnings and carefully follow all of the installation instructions.
- To minimize the danger of fire from sustained electrical arcing if the heating cable is damaged or improperly installed, and to comply with the requirements of BriskHeat certifications, and National Electrical Codes, Groundfault equipment protection must be used. Arcing may not be stopped by conventional circuit breakers.
- Component approvals and performance are based on the use of BriskHeat specified parts only. Do not use substitute parts or vinyl electrical tape.
- The black heating cable core is conductive and can short. It must be properly insulated and kept dry.
- Damaged bus wires can overheat or short. Do not break bus wire strands when scoring the jacket and core.
- Keep components and heating cable ends dry before and during installation.
- Bus wires will short if they contact each other. Keep bus wires separated.
- Use only fire-resistant insulation materials, such as fiberglass wrap or flame-retardant foam.

**WARNING:** Explosion hazard - Substitution of components may impair suitability for Class I, Division 2.

**AVERTISSEMENT:** Risque d'explosion - La substitution de composants pourrait être impudiable pour la Classe I, Division 2.

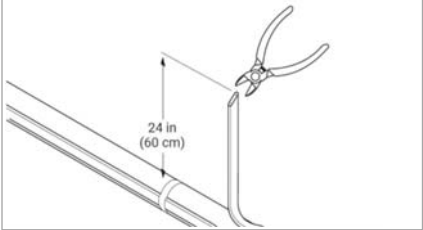
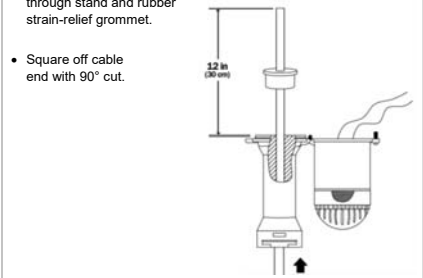
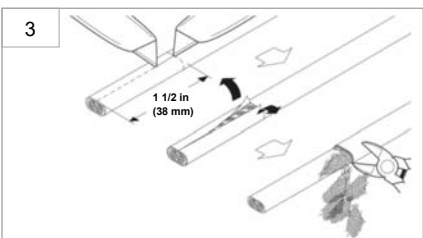
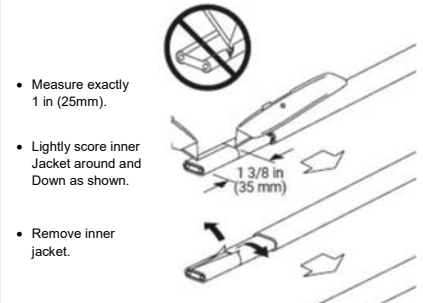
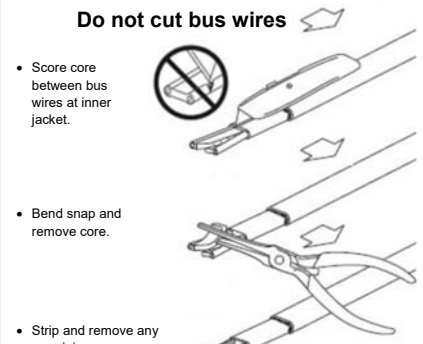
**WARNING:** This equipment is suitable for use in Class I, Division 2, Groups (as applicable) or non-hazardous locations only.

**AVERTISSEMENT:** Cet équipement peut être utilisé uniquement dans des groupes (le cas échéant) de Classe I, Section 2 ou dans des endroits non dangereux .

**CAUTION:** Risk of electric shock-disconnect the electric power before servicing.

**ATTENTION:** Risoue de choc électrique debrancher anant la maintenance.

## INSTALLATION INSTRUCTIONS

<div data-bbox="1144 191 1564 552"> <p><b>1</b></p> <ul style="list-style-type: none"> <li>• Allow approximately 24 in (60 cm) of heating cable for installation.</li> <li>• Cut off heating cable end at approximately 45° for easier insertion.</li> <li>• Apply lubricant for easier insertion into grommet.</li> </ul>  </div> <div data-bbox="1144 560 1564 917"> <p><b>2</b></p> <ul style="list-style-type: none"> <li>• Slide heating cable through stand and rubber strain-relief grommet.</li> <li>• Square off cable end with 90° cut.</li> </ul>  </div> <div data-bbox="1144 925 1564 1291"> <p><b>3</b></p>  <ul style="list-style-type: none"> <li>• Measure exactly 1 1/2 in (38 mm).</li> <li>• Lightly score outer jacket around and down as shown</li> <li>• Bend heating cable to break jacket at score; remove outer jacket.</li> <li>• Remove all exposed braid.</li> </ul> </div>	<div data-bbox="1575 191 1995 1291"> <p><b>4 Do not cut bus wires</b></p>  <ul style="list-style-type: none"> <li>• Measure exactly 1 in (25mm).</li> <li>• Lightly score inner Jacket around and Down as shown.</li> <li>• Remove inner jacket.</li> <li>• Notch core.</li> <li>• Peel bus wire from core.</li> </ul> <p><b>Do not cut bus wires</b></p>  <ul style="list-style-type: none"> <li>• Score core between bus wires at inner jacket.</li> <li>• Bend snap and remove core.</li> <li>• Strip and remove any remaining core material from bus wires.</li> <li>• Ensure a minimum length of 3/4 in (19 mm) bus wire remains before continuing.</li> </ul> </div>
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- Pass lead wires through the silicone boot as shown.
- Ensure the core is completely sealed by pushing the silicone boot over the inner cover unit fully seated against the outer cover.

Make sure the bus wires do not kink, bunch, or crossover.

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- Trim exposed conductors to 1/2 in (13 mm)

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- Pull the heating cable through the strain relief grommet until the lead termination boot is seated against the grommet.
- Pull the heating cable through the stand until the strain relief grommet is fully seated into the stand.
- Ensure the lead termination boot remains seated against the outer cover.

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- Fasten stand to pipe with pipe strap. Be sure pipe strap is under heating cable. Do not pinch heating cable.
- For pipe diameters smaller than 1 in (25 mm), adapter is required to avoid crushing the heating cable.
- Loop and secure remaining heating cable to pipe using fiberglass tape. Minimum bend radius is 1/2 in (13 mm).

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- Insulated parallel splice crimp.
- Crimp bus wires to lead wires.
- Place blue insulated parallel splice crimps onto bus wires.

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- Carefully fold and position the crimped connections and excess wire safely into the light housing. Ensure the crimped connections are not pressed against the dielectric gel inside the light housing when closed.
- Be sure the wires are not caught within the O-ring seal closure.
- Ensure the O-ring seal is properly positioned to provide a proper seal between the stand and the light housing.
- Secure the light housing to the stand by tightening the closure screw completely.

## WARRANTY INFORMATION

BriskHeat warrants to the original purchaser of this product for the period of eighteen (18) months from date of shipment or twelve (12) months from date of installation, whichever comes first. BriskHeat's obligation and the exclusive remedy under this warranty shall be limited to the repair or replacement, at BriskHeat's option, of any parts of the product which may prove defective under prescribed use and service following BriskHeat's examination, is determined by BriskHeat to be defective. The complete details of the warranty can be found online at [www.briskheat.com](http://www.briskheat.com) or by contacting us at 1-800-848-7673 (toll free, U.S. / Canada) or 1-614-294-3376 (Worldwide).

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