



## **Drum / Pail Warmers**

**DHCS-R Series**

### **Instruction Manual**



Read and understand this material before operating or servicing this drum / pail warmer. Failure to understand how to safely operate this warmer could result in an accident causing serious injury or death. This warmer should only be operated by qualified personnel.

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## INTRODUCTION

Thank you for purchasing a BriskHeat<sup>®</sup> drum / pail warmer. Your warmer is designed to provide a long and efficient service life with function, reliability, and safety in mind. For additional information or other BriskHeat<sup>®</sup> products, please contact CDI at 800.777.2436

### SAVE THESE INSTRUCTIONS!

Additional copies of this manual are available upon request.



### SAFETY ALERT SYMBOL

These symbols are used to call your attention to instructions concerning your personal safety. They point out important safety precautions. They mean **“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

Immediate hazards which WILL result in severe personal injury or death

### ! WARNING

Hazards or unsafe practices which COULD result in severe personal injury or death

### ! CAUTION

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

## IMPORTANT SAFETY INSTRUCTIONS



### ! DANGER

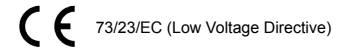
A person who has not read and understood all installation instructions is not qualified to install this product.

### ! DANGER

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

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

### Agency Approvals



**Approval is valid only when** installed in accordance with all applicable instructions, codes, and regulations.

### ! 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, it is highly recommended that NEC Article 427 is followed.
- Final installation / wiring is to be inspected by the authority who has jurisdiction in the area where the warmer is installed.
- The end-user is responsible for providing a suitable disconnecting device.
- The end-user is responsible for providing a suitable electrical protection device. It is highly recommended that a ground fault circuit breaker is used.

Failure to observe these warnings may result in personal injury or damage to the warmer.

### ! CAUTION

- Never handle the warmer while it is in operation. Always disconnect the warmer from the power source and allow to cool prior to handling.
- Inspect warmer before use.
- Do not wrap the warmer over itself.
- If spillage of foreign matter onto warmer occurs, disconnect from power source and clean after warmer is allowed to cool.
- Never operate a warmer without an appropriate heat sink (device being heated is considered a heat sink).
- Fasten warmer to device using approved methods only.
- Do not repair damaged or faulty warmers.
- Do not crush or apply severe physical stress on warmer or cord assembly.
- Disconnect warmer when not in use.
- Use specified sized warmer with same sized drum. Do not use for other applications.

Failure to observe these warnings may result in personal injury or damage to the warmer.

**⚠ WARNING**

Read and understand this entire manual before operating this electric warmer.

**SUMMARY OF OPERATION**

1. BriskHeat<sup>®</sup> Drum / Pail Warmers are designed to heat the contents of metal or plastic drums / pails.
2. These drum warmers are integrated with a built-in automatic preset thermostat that regulates between 67°F ± 9°F and 85°F ± 5°F.
3. They are suitable for both indoor and outdoor applications.

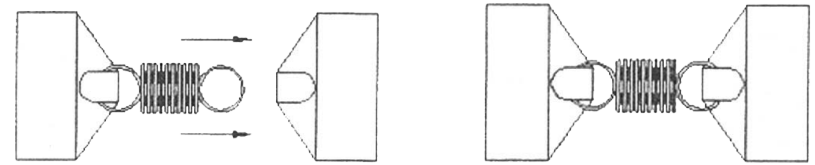
**PRIOR TO INSTALLATION**

1. Check for suspected damage to the warmer like rips, punctures, etc.
2. Verify surface to be heated is free from all sharp edges, weld splatter, rust, oil, etc.
3. Check that the desired placement of the warmer will not cause damage to the heater through impact shock, vibration, ambient temperature, or by neighboring moving parts.
4. Confirm voltage / wattage rating of warmer is appropriate for power supply. The warmer is designed to work at a specific voltage to heat properly. For additional information, contact BriskHeat<sup>®</sup>.
5. Confirm warmer maximum exposure temperature rating is suitable for environment. The tolerable exposure temperature range is between -60°F to 450°F (-51°C to 232°C). The temperature of the warmer's internal heating element may run up to 25% higher than the external surface of the warmer.
6. Do NOT connect to AC power until all installation steps are completed.

**INSTALLATION OF WARMER**

1. Select a suitable location on the drum, below the lowest expected content level. For almost all applications, the heater should be installed on the bottom 1/3 of the drum to attain best results.
2. Wrap the warmer around the drum. Extend the spring attached to the metal tab; latch the spring loop onto the hook on the opposite side as shown in **Figure 1** on the page 5.
3. Verify there are no air gaps between the warmer and the drum.
4. Connect to AC power. Refer to page 5 for suggestions.

- ⚠ WARNING** Do not use metal tab as a handhold when extending the spring. The warmer **MUST** make continuous contact with the drum. Do not overlap the drum warmer onto itself or another warmer.



**FIGURE 1**

**CONNECTING WARMER TO AC POWER**

The DHCS-R series drum / pail warmers are designed to work at 120VAC and are equipped with a 6-foot power cord and a standard 3-prong wall plug. Refer to the lead wire label or stamp located on the warmer for rated voltage and wattage.

- ⚠ WARNING** Failure to operate the drum heater at its rated voltage could cause damage to the warmer, surface being heated, or contents of drum.

All electrical connections must be made by qualified personnel and in accordance with all local codes and regulations.

Properly sized circuit breakers must be used.

The end-user is responsible for providing a suitable electrical protection device. It is highly recommended that a ground fault circuit breaker be used.

**OPERATION OF WARMER**

The DHCS-R series drum / pail warmers have an automatic pre-adjusted thermostat. The temperature will detect ambient temperature and regulate heat between 67°F ± 9°F and 85°F ± 5°F. Warmer will automatically start warming when plugged to the power source. For best results, cover heating area with 1/2" fiberglass insulation or equivalent.

## TROUBLESHOOTING GUIDE

Please read this guide prior to contacting BriskHeat®. This guide is designed to answer the most commonly asked questions. If you are unable to identify the problem or need additional assistance, please contact CDI at 800.777.2436 or sales@cdibuffalo.com

PROBLEM	SOLUTION(S)
Does not heat	Verify warmer is connected to proper voltage. The identification label located on the power cord displays the warmer's voltage requirement.  Check to see if there is a resistance reading (not an open circuit) in warmer using an ohm meter.
Circuit breaker is tripping	Validate that the circuit breaker is capable of handling the amp requirement of warmer. The identification label located on the power cord displays the warmer's amperage requirement.  Examine warmer and cord for any damage.
Does not fit	Confirm that the warmer provided was designed to fit around your specific drum.  If the heater was designed for the specified drum, please call 1-800-848-7673 or 614-294-3376 for further assistance.
Substance has spilled on the warmer	Apply any general household cleaner, that does not contain any silicone rubber dissolving type ingredients, with a clean cloth fabric.

## WARRANTY INFORMATION

BriskHeat® warrants to the original purchaser for the period of twelve (12) months from date of purchase, 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/t-warranty.aspx](http://www.briskheat.com/t-warranty.aspx)

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