



TS0 Series Portable Bulb and Capillary Temperature Controller Instruction Manual


	<p>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.</p> <p>Keep these instructions for future reference.</p>
---	---

TABLE OF CONTENTS

Introduction.....	2
Safety Alert Symbol.....	2
Important Safety Instructions.....	3
Specifications.....	4
Installation / Operation Instructions.....	6
Troubleshooting Guide.....	7
Warranty Information.....	8

INTRODUCTION

Thank you for purchasing a BriskHeat TS0 Series Bulb and Capillary Temperature Controller. The TS0 is a thermostat controller available in two different temperature ranges. The plug & play design means quick installation and set-up. Simply set the desired temperature by rotating the indicator knob.

For additional information concerning this, 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.



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.



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



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



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

SAVE THESE INSTRUCTIONS!

Additional copies of this manual are available upon request.

IMPORTANT SAFETY INSTRUCTIONS



⚠ DANGER

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

⚠ DANGER

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

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.

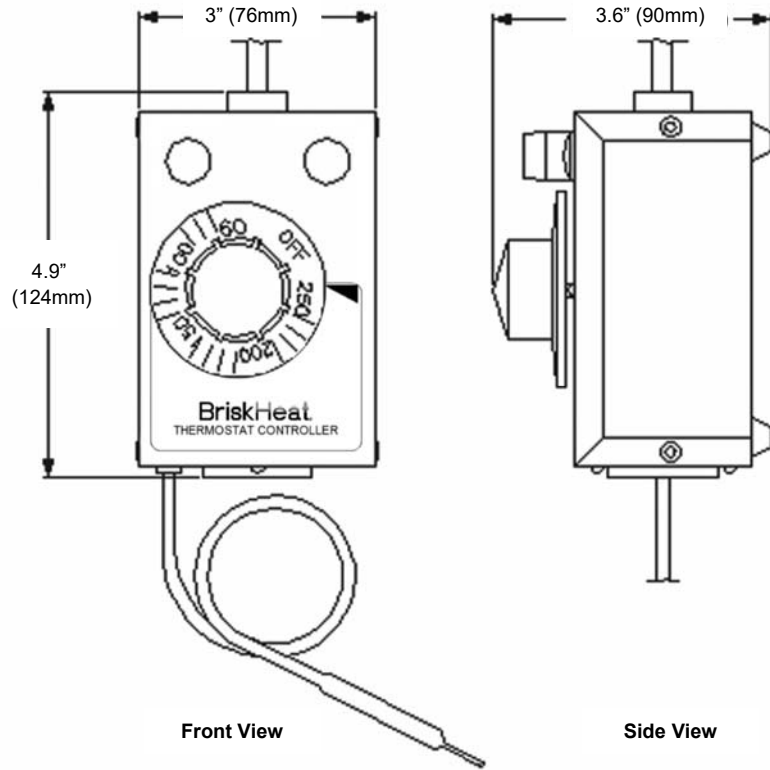
Failure to observe these warnings may result in personal injury or damage to the product and/or property.

SPECIFICATIONS

- 120 or 240VAC
- Differential 6°F (3°C)
- Average accuracy +/- 5°F (3°C)
- Units in °F
- Maximum controller exposure temperatures: -40 to 160°F (-40 to 71°C)
- Copper bulb and capillary, 4 ft (1.2m) long
- Input power cord 6 feet (1.8m) long with standard plug
 - o 120VAC: NEMA 5-15
 - o 240VAC: NEMA 6-15
- Output Receptacle
 - o 120VAC: NEMA 5-15R
 - o 240VAC: NEMA 6-15R

Part Number	Volts	Amps	Range
TS0991-250	120	15	60 to 250°F (16 to 121°C)
TS0991-550	120	15	150 to 550°F (66 to 288°C)
TS0992-250	240	15	60 to 250°F (16 to 121°C)
TS0992-550	240	15	150 to 550°F (66 to 288°C)

PRODUCT DRAWINGS AND DIMENSIONS



Bulb Dimensions

Part Number	Diameter		Length	
	Inches	mm	Inches	mm
TS099X-XXX	3/8	10	4	102

OPERATING INSTRUCTIONS

⚠ WARNING
Read and understand this entire manual before operating this controller.

VOLTAGE:
120VAC; 240VAC

Step 1:

Apply heating product to the heated surface ensuring 100% surface contact with surface to be heated.

Step 2:

Position and attach bulb temperature sensor directly on top of the heater or touching the edge of the heater while also contacting the surface being heated. Temperature sensing bulb must be in close proximity of heater for accurate temperature control and to prevent over heating. Use appropriate temperature rated adhesive tape to attach bulb. If unsure what tape is appropriately rated or questions concerning your application please contact BriskHeat[®] factory directly at 1-800-848-7673, 614-294-3376, or bhtsales1@briskheat.com.

Step 3:

Plug heater into the controller's output receptacle.

Step 4:

Plug the controller into an approved power source using the Input power cord.

Step 5:

Rotate controller knob from the "OFF" position to the desired temperature setting.

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 your local distributor or BriskHeat[®] at 1-800-848-7673 (U.S. / Canada), 1-614-294-3376 (World wide), or bhtsales1@briskheat.com.

Controller does not function**1. Check fuse:**

Unplug the unit from its power source. Remove the fuse located under cap on front of controller and check its continuity. If the fuse is defective, replace it with an ABC 15 amp fuse. Fuses may be obtained from most electrical supply houses.

2. Check power source:

Using a voltmeter, test the power source and assure correct voltage is present.

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 or by contacting us at 1-800-848-7673 (toll free, U.S. / Canada) or 1-614-294-3376 (Worldwide).

BriskHeat[®]
Corporation

Corporate Headquarters:
4800 Hilton Corporate Dr.
Columbus, OH 43232, U.S.A.

Europe:
P.O. Box 420124
44275 Dortmund, Germany

Toll Free: 800-848-7673
Phone: 614-294-3376
Fax: 614-294-3807
Email: bhtsales1@briskheat.com