

1 YEAR
WARRANTY

MADE IN
USA



User's Guide

Shop online at

omega.com®

Ω OMEGA®

omega.com

e-mail: info@omega.com

*For latest product manuals:
omegamanual.info*



OMEGALUX™ CPP SERIES Portable Time Percentage Dial Temperature Controllers

Introduction..... 2
 Safety Alert Symbol..... 2
 Important Safety Instructions..... 3
 Specifications and Drawings..... 4
 Installation / Operating Instructions..... 5
 Troubleshooting Guide..... 6
 Contacting OMEGA..... 7
 Warranty / Disclaimer..... Back
 Return Requests / Inquires..... Back

INTRODUCTION

The OMEGALUX™ CPP Series Percentage Controller is a manually adjustable control which provides continuously variable selection of average heater power ranging from 5% to 100%. The controller varies the proportion of “off” and “on” time of the heater power. Thermal characteristics of the heated item will determine the setting of the manually adjustable controller knob. The controller does not use a temperature sensor and therefore **satisfactory operation requires occasional supervision under changing load conditions.**

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 which COULD result in severe personal injury or death



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

SAVE THESE INSTRUCTIONS!

Additional copies of this manual are available upon request.



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

⚠ DANGER

- Do not immerse or spray temperature controller with liquid.
- Keep volatile or combustible material away from controller when in use.
- Keep sharp metal objects away from controller.

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

⚠ CAUTION

- Inspect all components before use.
- Do not use control and heating system if any component is damaged.
- Do not repair damaged or faulty controller.
- Do not crush or apply severe physical stress on any component of controller, including cord assembly.
- Unplug controller when not in use.
- Unplug controller before fuse is changed.

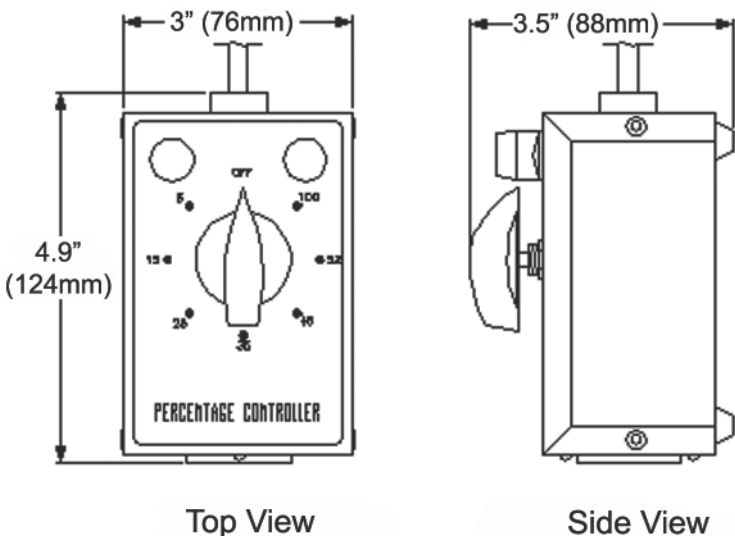
Failure to observe these warnings may result in personal injury or damage to the temperature controller

⚠ WARNING

- Only qualified personnel are allowed to connect the electrical wiring.
- All electrical wiring must follow local electrical codes and highly recommend following NEC Article 427.
- Final installation / wiring is to be inspected by the authority who has jurisdiction in the area that the heater and temperature control system is installed.
- The end-user is responsible for providing a suitable disconnecting device.
- The end-user is responsible for providing suitable over-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 temperature controller.

- 120 or 240VAC
- 15 Amp Fuse
- Maximum controller exposure temperatures: -40 to 160°F (-40 to 71°C)
- Range: 5 to 100%
- Enclosure: Cast Aluminum table model with rubber feet. For indoor use.
- Input power cord 6 feet (1.8m) long with standard plug
 - 120VAC: NEMA 5-15
 - 240VAC: NEMA 6-15
- Output Receptacle
 - 120VAC: NEMA 5-15R
 - 240VAC: NEMA 6-15R



Part Number	Volts	Amps	Range
CPP941	120	15	5 to 100%
CPP942	240	15	5 to 100%

⚠ WARNING

Read and understand this entire manual before operating this controller.

VOLTAGE:
120VAC; 240VAC

⚠ CAUTION

TP0 portable time percentage dial temperature controllers are designed for temporary use applications and must be monitored while in operation.

- Step 1:**
Plug heater into the controller's output receptacle.
- Step 2:**
Plug the controller into an approved power source using the Input power cord.
- Step 3:**
Rotate controller knob to the percentage set-point which will produce the desired temperature (see Note A).
- Step 4:**
Continue to monitor the controllers performance while in use (see Note B).

Note A:
The time percentage dial controller varies the proportion (length) of time the heater is in the "on" or "off" heating mode. The heating application will determine the actual percentage set-point required.

Note B:
The controller does not use a temperature sensor and therefore satisfactory operation requires occasional supervision under changing load conditions.

Please read this guide prior to contacting OMEGA. 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 us at 1-800-USA-HEAT.

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 heater:

Unplug heater from controller and check for continuity. Replace heater if there is no continuity.

3. Check power source:

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



OMEGAnet® Online Service
omega.com

Internet e-mail
info@omega.com

Servicing North America:

U.S.A.:
ISO 9001 Certified

One Omega Drive, Box 4047
Stamford, CT 06907-0047
Tel: (203) 359-1660
e-mail: info@omega.com

FAX: (203) 359-7700

Canada:

976 Bergar
Laval (Quebec) H7L 5A1, Canada
Tel: (514) 856-6928
e-mail: info@omega.ca

FAX: (514) 856-6886

For immediate technical or application assistance:

U.S.A. and Canada: Sales Service: 1-800-826-6342 / 1-800-TC-OMEGA®
Customer Service: 1-800-622-2378 / 1-800-622-BEST®
Engineering Service: 1-800-872-9436 / 1-800-USA-WHEN®

Mexico:

En Español: (001) 203-359-7803
FAX: (001) 203-359-7807

e-mail: espanol@omega.com
info@omega.com.mx

Servicing Europe:

Benelux:

Postbus 8034, 1180 LA Amstelveen, The Netherlands
Tel: +31 (0)20 3472121
Toll Free in Benelux: 0800 0993344
e-mail: sales@omegaeng.nl

FAX: +31 (0)20 6434643

Czech Republic:

Frystatska 184, 733 01 Karviná, Czech Republic
Tel: +420 (0)59 6311899
Toll Free: 0800-1-66342

FAX: +420 (0)59 6311114
e-mail: info@omegashop.cz

France:

11, rue Jacques Cartier, 78280 Guyancourt, France
Tel: +33 (0)1 61 37 2900
Toll Free in France: 0800 466 342
e-mail: sales@omega.fr

FAX: +33 (0)1 30 57 5427

Germany/Austria:

Daimlerstrasse 26, D-75392 Deckenpfronn, Germany
Tel: +49 (0)7056 9398-0
Toll Free in Germany: 0800 639 7678
e-mail: info@omega.de

FAX: +49 (0)7056 9398-29

United Kingdom:
ISO 9002 Certified

One Omega Drive, River Bend Technology Centre
Northbank, Irlam, Manchester
M44 5BD United Kingdom
Tel: +44 (0)161 777 6611
Toll Free in United Kingdom: 0800-488-488
e-mail: sales@omega.co.uk

FAX: +44 (0)161 777 6622

It is the policy of OMEGA Engineering, Inc. to comply with all worldwide safety and EMC/EMI regulations that apply. OMEGA is constantly pursuing certification of its products to the European New Approach Directives. OMEGA will add the CE mark to every appropriate device upon certification.



WARRANTY/DISCLAIMER

OMEGA ENGINEERING, INC. warrants this unit to be free of defects in materials and workmanship for a period of **13 months** from date of purchase. OMEGA's WARRANTY adds an additional one (1) month grace period to the normal **one (1) year product warranty** to cover handling and shipping time. This ensures that OMEGA's customers receive maximum coverage on each product.

If the unit malfunctions, it must be returned to the factory for evaluation. OMEGA's Customer Service Department will issue an Authorized Return (AR) number immediately upon phone or written request. Upon examination by OMEGA, if the unit is found to be defective, it will be repaired or replaced at no charge. OMEGA's WARRANTY does not apply to defects resulting from any action of the purchaser, including but not limited to mishandling, improper interfacing, operation outside of design limits, improper repair, or unauthorized modification. This WARRANTY is VOID if the unit shows evidence of having been tampered with or shows evidence of having been damaged as a result of excessive corrosion; or current, heat, moisture or vibration; improper specification; misapplication; misuse or other operating conditions outside of OMEGA's control. Components in which wear is not warranted, include but are not limited to contact points, fuses, and triacs.

OMEGA is pleased to offer suggestions on the use of its various products. However, OMEGA neither assumes responsibility for any omissions or errors nor assumes liability for any damages that result from the use of its products in accordance with information provided by OMEGA, either verbal or written. OMEGA warrants only that the parts manufactured by the company will be as specified and free of defects. OMEGA MAKES NO OTHER WARRANTIES OR REPRESENTATIONS OF ANY KIND WHATSOEVER, EXPRESSED OR IMPLIED, EXCEPT THAT OF TITLE, AND ALL IMPLIED WARRANTIES INCLUDING ANY WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED. LIMITATION OF LIABILITY: The remedies of purchaser set forth herein are exclusive, and the total liability of OMEGA with respect to this order, whether based on contract, warranty, negligence, indemnification, strict liability or otherwise, shall not exceed the purchase price of the component upon which liability is based. In no event shall OMEGA be liable for consequential, incidental or special damages.

CONDITIONS: Equipment sold by OMEGA is not intended to be used, nor shall it be used: (1) as a "Basic Component" under 10 CFR 21 (NRC), used in or with any nuclear installation or activity; or (2) in medical applications or used on humans. Should any Product(s) be used in or with any nuclear installation or activity, medical application, used on humans, or misused in any way, OMEGA assumes no responsibility as set forth in our basic WARRANTY/DISCLAIMER language, and, additionally, purchaser will indemnify OMEGA and hold OMEGA harmless from any liability or damage whatsoever arising out of the use of the Product(s) in such a manner.

RETURN REQUESTS/INQUIRIES

Direct all warranty and repair requests/inquiries to the OMEGA Customer Service Department. BEFORE RETURNING ANY PRODUCT(S) TO OMEGA, PURCHASER MUST OBTAIN AN AUTHORIZED RETURN (AR) NUMBER FROM OMEGA'S CUSTOMER SERVICE DEPARTMENT (IN ORDER TO AVOID PROCESSING DELAYS). The assigned AR number should then be marked on the outside of the return package and on any correspondence.

The purchaser is responsible for shipping charges, freight, insurance and proper packaging to prevent breakage in transit.

FOR **WARRANTY** RETURNS, please have the following information available BEFORE contacting OMEGA:

1. Purchase Order number under which the product was PURCHASED,
2. Model and serial number of the product under warranty, and
3. Repair instructions and/or specific problems relative to the product.

FOR **NON-WARRANTY** REPAIRS, consult OMEGA for current repair charges. Have the following information available BEFORE contacting OMEGA:

1. Purchase Order number to cover the COST of the repair,
2. Model and serial number of the product, and
3. Repair instructions and/or specific problems relative to the product.

OMEGA's policy is to make running changes, not model changes, whenever an improvement is possible. This affords our customers the latest in technology and engineering. OMEGA is a registered trademark of OMEGA ENGINEERING, INC.