

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*



HTWT SERIES

Heating Tape with Pre-set Thermostat

TABLE OF CONTENTS

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

INTRODUCTION

HTWT Heating Tapes with Pre-set Thermostat are designed for freeze protection and low temperature process control solutions. This true plug-and-play flexible silicone rubber heating tape is pre-set at 60°F (16°C).

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.

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 heater in liquid.
- Keep volatile or combustible material away from heater when in use.
- Keep sharp metal objects away from heater.

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

⚠ CAUTION

- Never handle the heating tape while it is in operation; always disconnect the heating tape from the power source and allow to cool prior to handling.
- Inspect heating tape before use.
- Do not use heater with torn or worn surfaces.
- Do not wrap the heater over itself
- Do not repair damaged or faulty heaters.
- Do not crush or apply severe physical stress on heater or cord assembly.
- Unplug heater when not in use.
- Make sure there is a uniform fit prior to energizing. If there are air gaps between the surface to be heated and the heater, hot spots can occur and could result in burnouts due to overheating.

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

⚠ WARNING

End User Must Comply to the Following:

- 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 heating tape 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.

Operating conditions:

Maximum Exposure Temperature: 450°F (232°C)

- Built-in Controlling Thermostat set at 60°F (16°C)
- Silicone Rubber Extruded Outer Sheath
- Moisture and Chemical Resistant
- Patented Grounded Heating Element
- Nominal Watts: 6.0in² (0.009mm²)
- Suitable for Electrically Conductive Surfaces
- 120 or 240VAC
- 6ft (2m) power cord with either NEMA 5-15 or 6-15 plug

Width inches	Length inches	Total Watts	Part Number 120VAC	Part Number 240VAC
1	24	104	HTWT101-002-60F	N/A
1	48	209	HTWT101-004-60F	HTWT102-004-60F
1	72	313	HTWT101-006-60F	HTWT102-006-60F
1	96	418	HTWT101-008-60F	HTWT102-008-60F
1	120	522	HTWT101-010-60F	HTWT102-010-60F

⚠ WARNING

Read and understand this entire manual before operating this electric heating tape.

STEP 1

Remove heater from box. Make visual inspection of heater. Do not use if torn or damaged.

STEP 2

Installing your heating tape: The flexible heating tape can be installed on both a flat and/or curved surface. For a flat surface, lay the heating tape onto the surface to be heated. For a curved surface, wrap the heating tape onto the surface to be heated **(A)**. The length of one entire side of the heating tape must be in full contact with the surface.

The thermostat (the raised disc) on the 3" long oval block must be placed tightly and directly against the surface to be heated **(B)**. Secure the thermostat in place. The thermostat should be placed on the coldest end of the pipe. The thermostat will turn the heater on and off based on the temperature of the area of pipe it is against.

Ensure the heating tape is not kinked, twisted, or any portion of the tape hanging free from the surface **(C)**. **Do not overlap heating tape on itself (D)**. Attach the heating tape to the surface by using aluminum tape, fiberglass tape, or a mechanical clamping devices which will not cause damage to the heating tape.

STEP 3

Plug power cord into appropriate grounded outlet.



A.) Proper Installation
(pipe and valve)



B.) Thermostat against surface



C.) Incorrect Installation:
Heating tape hanging free from the surface



D.) Incorrect Installation:
Heating tape overlapped on itself

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.

PROBLEM	SOLUTION(S)
Does not heat	Verify heater is connected to proper voltage. Check to see if there is a resistance reading (not an open circuit) in heater using an ohm meter.
Circuit breaker is tripping	Validate that the circuit breaker is capable of handling the amp requirement of heater. Examine heater and cord for any damage.



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 Karvina, 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: One Omega Drive, River Bend Technology Centre
ISO 9002 Certified
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



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.