

# **OHMTEMP INTERNATIONAL, INC.**

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OHMTEMP@AOL.COM

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The logo for Ohmtemp features a red circular icon with concentric circles on the left, followed by the word "Ohmtemp" in a red, lowercase, sans-serif font.

## **MAXI-HEATER**

## **PLEASE REMEMBER WHEN HEATING METAL DRUMS OR PAILS!**

Always know the material you are heating!

Do not use drum heaters unattended!

Do not heat a closed container; it must be properly vented!

Do not heat a defective container!

Remember, the thermostat measures the air temperature around the drum or pail, not the material temperature inside the drum or pail!

Do not use if thermostat stem is broken off!

Do not use these heaters where flammable vapors are present!

Only OHMTEMP - recommended drum dollies should be used with the Fifty-Five Gallon and Maxi Heaters!

Heat loss will be greatly reduced if the flexible gasket is set properly!

**FOR QUESTIONS REGARDING THE  
OPERATION OF THESE HEATERS CALL**

...  
**1-734-261-7232  
OR E-MAIL  
OHMTEMP@AOL.COM**

**WARRANTY:** All OHMTEMP heaters are guaranteed against defective materials and workmanship for a period of one year from date of purchase. This guarantee does not cover failure due to water soakage, spillage, abuse or mis-applications. Heaters which fail with the warranty period should be returned *Freight Prepaid* to OHMTEMP for inspection and credit or repair after first contacting OHMTEMP for return authorization.

### **WARNING !!!**

***DO NOT HEAT A CLOSED CONTAINER  
OR USE THESE HEATERS WHERE  
FLAMMABLE VAPORS ARE PRESENT.  
THESE HEATERS MUST BE  
PROPERLY GROUNDED FOR SAFETY  
USING THE GROUNDED PLUG  
SUPPLIED. UNDER NO  
CIRCUMSTANCES SHOULD THE  
GROUNDED PLUG BE REPLACED  
WITH A NON-GROUNDED PLUG.  
THESE HEATERS ARE NOT  
RECOMMENDED FOR USE IN  
HAZARDOUS AREAS OR ANY TYPICAL  
CLASS 1, GROUP D AREAS.***



MANUFACTURER AND DISTRIBUTOR OF CONTAINER HEATERS  
POST OFFICE BOX 85 • GARDEN CITY, MICHIGAN 48135

MODEL: **MXL-480**

SERIAL:  **6.0** K.W.

HEATERS: **480** VOLTS **3** PH. **8** AMPS

CONTROL: **120** VOLTS **50/60** CYCLE

**DISCONNECT ELECTRIC POWER SUPPLY  
BEFORE SERVICING ANY PART OF UNIT**

### **WARNING**

Do not heat a closed container or use these heaters where flammable vapors are present. These units must be properly grounded for safety using the grounded plug supplied. Under no circumstances should the grounded plug be replaced with a non-grounded plug. This unit is not recommended for use in any Hazardous Areas or any typical Class 1, Group D areas.

We the manufacturer shall not be liable for any injury, loss or damage, direct or consequential, arising out of the use or inability to use any item sold by us, but our only obligation in lieu of all warranties expressed or implied, is to replace any item proved to be defective. Before using, the user must determine the suitability of the product for its intended use, and the user assumes all risk in connection therewith. WE THE MANUFACTURER NEITHER KNOW NOR HAVE REASON TO KNOW THE USE TO WHICH THE USER WILL PUT THE PRODUCT.

## OPERATING INSTRUCTIONS OHMTEMP DRUM WARMERS

Open the OHMTEMP wrap-around drum warmer and position the drum being heated inside. Close the warmer by securing the catches and strikes properly

Adjust the gasketing at the top of the warmer so that it fits snugly to the sides of the drum being heated.

This will help prevent heat loss.

Set the thermostat to the desired temperature. The thermostat will control the air temperature around the enclosed drum. The thermostat will cycle off when the desired temperature is reached. The thermostat will continue to maintain the temperature until it is turned to the off position.

**ALWAYS TURN THE THERMOSTAT TO THE  
OFF POSITION WHEN MOVING A DRUM IN  
OR OUT. ALWAYS DISCONNECT THE  
ELECTRIC POWER SUPPLY BEFORE  
SERVICING ANY PART OF THE WARMER.**

The units are not recommended for use in Hazardous Areas or any typical Class 1, Group D Areas.

Model # MXL-480  
Thermostat # 5000-814  
Heating Element # SES48036  
Transformer # 9070T50D1  
Contactor # 8910DPA23V02 or Equivalent  
Timer # THCU1023E  
Gasket # G55F  
Cord Set # 14/4-2431

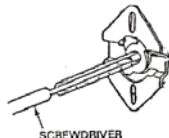
**ALWAYS USE THE SUPPLIED DRUM  
DOLLY WITH THE MAXI-HEATER!**

# CALIBRATION

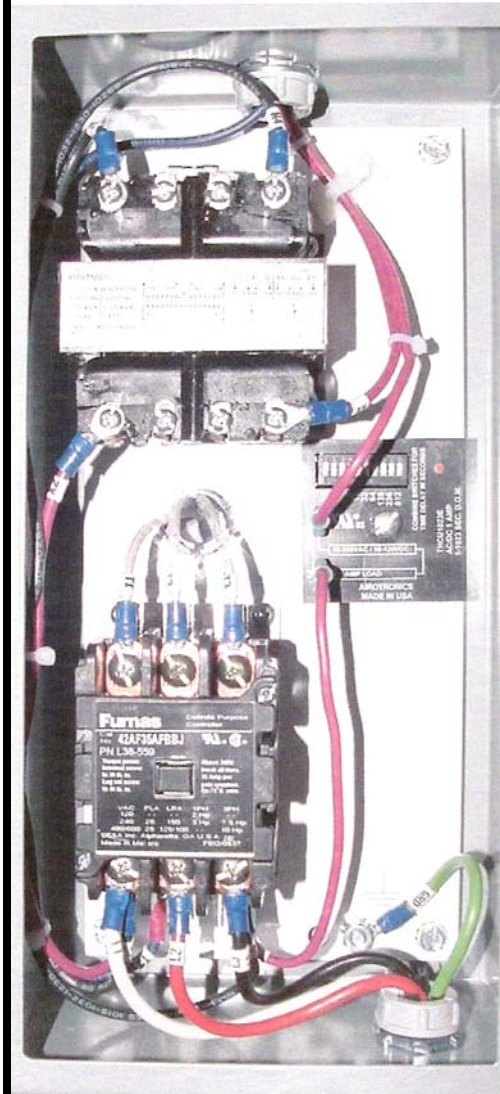
This control is a precision instrument. It is carefully calibrated at the factory - that is, it is so adjusted that the dial settings match the actual bulb temperatures. Field recalibration is seldom necessary and should not be resorted to unless considerable experience with equipment proves that the control is not maintaining the temperatures to which the dial is set. To check equipment temperatures when recalibrating use a test instrument or thermometer in the middle of the area being controlled.

If recalibration is required, use the following procedure:

1. Allow equipment to come to a stable temperature.
2. Turn dial and compare temperature setting on dial with reading of thermometer when control turns off (clicks).
3. If they agree within the user's degree of accuracy, no recalibration is necessary. If they do not agree, continue as follows.
4. Set dial to temperature reading. Pull off dial and with a small screwdriver turn small adjusting screw until the thermostat clicks off (see drawing below).
  - A. Caution - Always use extreme care so that the slot in the center adjusting screw is not damaged.
  - B. Hold the adjusting shaft tightly while the center screw is turned.
  - C. Turning center adjusting screw in a clockwise direction will decrease the temperature, and in a counterclockwise direction will increase the temperature. Each quarter turn of the screw will change the calibration approximately 30 degrees F.
5. Recheck calibration and repeat process if closer calibration is required.



## 440/460/480 VOLT 3 PHASE DRUM & MAXI HEATERS



### Power In

L1 White  
L2 Red  
L3 Black  
Green to Ground

### Contactor

C1 to X2 on Transformer Red  
C1 to P1 Blue  
C2 to #3 on Timer Red  
X1 on Transformer to #1 on  
Thermostat Red  
#1 on Timer to #2 on  
Thermostat Red

### Timer

#1 on Timer to #2 on  
Thermostat Red  
#3 on Timer to C2 Red

### Pilot Light

C1 to P1 Blue  
P2 to #2 Thermostat Blue

### Transformer

H1 to L1 on Contactor Black  
H4 to L3 on Contactor Black  
X2 to C1 on Contactor Red  
X1 to #1 on Thermostat Red

**NOTE:** These Heating Elements  
are wired in wye (or star circuit).  
Heater Voltage is 58% of Line  
Voltage!

Any Questions Call!  
1-734-261-7232