OMEGA ENGINEERING, INC. warrants this unit to be free of defects in materials and workmanship for a period of one (1) year from the date of purchase. In addition to OMEGA’s standard warranty period, OMEGA Engineering will extend the warranty period for four (4) additional years if the warranty card enclosed with each unit is returned to OMEGA.

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 of the unit at OMEGA, if the unit is found to be defective, it will be repaired or replaced at no charge. OMEGA’s WARRANTY does not apply if defects result 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 excess corrosion; or current, heat, moisture or vibration; improper specification, misapplication; misuse or other operating conditions outside of OMEGA’s control. Components which wear are not warranted, including but not limited to contact points, faces, and trims.

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 such suggestions. These suggestions are not contractual. OMEGA reserves the right to make modifications to its products without notice.

It is the policy of OMEGA 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.

WARNING: These products are not designed for use in, and should not be used for, patient connected applications.

This product is covered by one or more of the following patents: U.S. Pat. Des. No. 336,895; 5,274,577; 6,243,021 / FRANCE Brevet No. 91 12756 / SPAIN 2039150; 2048066 / U.K. Patent No. GB2 248 954; GB2 360 585; 383 221; 192681 / ITALY 976 Bergar; Laval (Quebec) H7L 5A1 TEL: (514) 856-6928 FAX: (514) 856-6886 e-mail: info@omega.ca

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. Once an AR number is obtained, the purchase order number, a full description of the problem, and/or copy of the purchase order must be included with the products being returned. No items will be accepted without an AR number.

RETURN ITEM INFORMATION:

Item Number: AR number

DESCRIPTION: Equipment sold by OMEGA is not intended to be used, nor shall it be used, by anyone other than authorized repair personnel in medical applications or used on humans. Should any Problem(s) be encountered in any nuclear installation or activity, medical application, used on humans, or relaxed in any way, OMEGA assumes no responsibility as set forth in our basic warranty/patent/disclaimer language, and, additionally, will not indemnify OMEGA and host OMEGA harmless from any liability or damage whatsoever arising out of the use of the Product(s) in such manner.

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, (2) used in or with any nuclear installation or activity, medical application, used on humans, or relaxed in any way, OMEGA assumes no responsibility as set forth in our basic warranty/patent/disclaimer language, and, additionally, will not indemnify OMEGA and host OMEGA harmless from any liability or damage whatsoever arising out of the use of the Product(s) in such manner.

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

1. A detailed description of the problem.
2. A full description of the product.
3. A description of the installation.
4. Repair instructions or any specific problems relative to the product.

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Step 28
The display will show the top menu for Alarm 1. In the following steps we are going to enable Alarm 1. Unlatch, Normally Open, Active Above, enabled at power on and +2°F deviation i.e. PV>+SV = +2°F will activate Alarm 1.

Step 29
Press ENTER to display flashing dStbl/Enbl.

Step 30
If flashing ‘Enbl’ is displayed, press MENU, otherwise press MAX until Enbl is displayed, then press ENTER to store and go to next menu to store.

Step 31
If flashing ‘dFus’ is displayed, press MENU, otherwise press MAX until flashing dFus is shown. Now press ENTER to store and go to advance menu to next item.

Step 32
If flashing ‘Unl’ is displayed, press MENU, otherwise press MAX until Unit is displayed. Press ENTER to store and advance to next menu to store.

Step 33
If flashing ‘n.o.’(normally open) is displayed, press MENU, otherwise press MAX until ‘n.o.’ is displayed. Press ENTER to store and advance to next menu to store.

Step 34
If flashing ‘rumb’ is displayed, press MENU, otherwise press MAX until Unit Abou is displayed. Press ENTER to store and advance to next menu to store.

Step 35
If flashing ‘Enbl’ is displayed, press MENU, otherwise press MAX until Unit is displayed. Press ENTER to store and advance to next menu to store.

Step 36
Press MENU to skip Alarm 1 LOW value. A1.1 is for below & A1.1H for above.

Step 37
Pressing MIN & MAX to set the display to 0002. Press ENTER to save.

Step 38
Press MENU to go to the next menu item.

Step 39
Press MENU to go to the next menu item.

Step 40
Configure Out 1 as c±r, p id, Rr-c±n/5, Rcc/od5bl, Ro-p, p0.0005, FEsL 0.180, R-fE 0.180, c±o/c and dFus/0003. Please refer to the operator’s manual if needed.

Step 41
Press MENU until reset the controller and return to RUN mode to display 0075/0080. Now you are ready to control a heater at +3°F higher than PV displayed. MP1 is turning on and off. Touch the tip of the thermocouple to raise the temperature above the alarm high DOB2, and a few seconds later A1.1 will turn on.

Step 34
If flashing ‘n.o.’(normally open) is displayed, press MENU, otherwise press MAX until ‘n.o.’ is displayed. Press ENTER to store and advance to next menu to store.

Step 33
If flashing ‘rmbl’ is displayed, press MENU, otherwise press MAX until Unit is displayed. Press ENTER to store and advance to next menu to store.

Step 36
Press MENU to skip Alarm 1 LOW value. A1.1 is for below & A1.1H for above.

Step 37
Pressing MIN & MAX to set the display to 0002. Press ENTER to save.

Step 38
Press MENU to go to the next menu item.

Step 39
Press MENU to go to the next menu item.

Step 40
Configure Out 1 as c±r, p id, Rr-c±n/5, Rcc/od5bl, Ro-p, p0.0005, FEsL 0.180, R-fE 0.180, c±o/c and dFus/0003. Please refer to the operator’s manual if needed.

Step 41
Press MENU until reset the controller and return to RUN mode to display 0075/0080. Now you are ready to control a heater at +3°F higher than PV displayed. MP1 is turning on and off. Touch the tip of the thermocouple to raise the temperature above the alarm high DOB2, and a few seconds later A1.1 will turn on.

Step 34
If flashing ‘n.o.’(normally open) is displayed, press MENU, otherwise press MAX until ‘n.o.’ is displayed. Press ENTER to store and advance to next menu to store.

Step 33
If flashing ‘rmbl’ is displayed, press MENU, otherwise press MAX until Unit is displayed. Press ENTER to store and advance to next menu to store.

Step 36
Press MENU to skip Alarm 1 LOW value. A1.1 is for below & A1.1H for above.

Step 37
Pressing MIN & MAX to set the display to 0002. Press ENTER to save.
Step 1 When your meter is first powered up it will display the ambient temperature.

Step 2 Press MENU 1 time from run mode to get to SET POINT 1.

Step 3 Press MIN to select the next digit. The selected digit will be flashing as shown.

Step 4 To increment the flashing digit push MAX until desired value is displayed.

Step 5 Set the SET POINT 1 to 5 degree higher than PV (top row display) and press ENTER to store, display flashes "run" in the SV display and return to run mode.

Step 6 Notice that the new value for Set Point 1 is reflected in the SV window.

Step 7 Confirm that the display shows INPUT TYPE.

Step 8 Press ENTER to display Input, Process, RTD or Thermocouple. If flashing b.c. is displayed press MENU and proceed to step 9.

Step 9 Press MAX until a flashing b.c. for Thermocouple is displayed.

Step 10 Press ENTER to store Thermocouple input. The controller will then automatically step to the next menu item.

Step 11 The display will stop flashing and show the top menu for Thermocouple types. If you press MENU controller will step to next menu item (Skip to Step 15).

Step 12 Press ENTER to display flashing, previously selected Thermocouple type.


Step 14 After you have selected the Thermocouple type press ENTER to store your selection, the controller automatically advances to the next menu item.

Step 15 The display shows Reading Configuration, which is the top menu for 4 submenus: Decimal Point, Degree Units, Filter Constant and Reading Scale and Offset.

Step 16 Press ENTER to show Decimal Point.

Step 17 Press ENTER again to display the flashing decimal point position.