**BG18 SERIES BAR GRAPH INDICATORS** provide dynamic analog visualization of any event represented by an electrical signal. Their large, bright 30 segment LED BARGRAPH displays are particularly well suited for applications where readings must be taken at a distance. The following models are available:

**BG18-1: BAR-GRAPH INDICATOR**  
**BG18-3: BAR-GRAPH INDICATOR WITH DUAL SET-POINT.**  

**FIG. 1**  
**FRONT VIEW**  

**SET-POINT 1 (AL1)**  

- **P0**: Trimmer for Zero Adjust  
- **PS**: Trimmer for Span Adjust  

**SET-POINT 2 (AL2)**  

- **P0**: Trimmer for Zero Adjust  
- **P1**: Adjustable trimmer for Set-point value change over the Bar.  

**FIG. 2**  
**REAR VIEW**  

**SET-POINT PROGRAMMING**  
Press the PR1 pushbutton and turn the P1 trimmer until the desired point. The display will be flashing according to the flash-function jumper selection. Same procedure for the Set-point 2.

**FLASH FUNCTION JUMPERS SELECTION**

<table>
<thead>
<tr>
<th>FLASHING BAR FUNCTION ON WHEN</th>
<th>AL-1</th>
<th>AL-2</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIGNAL INPUT EQUAL TO OR LESS THAN SET-POINT</td>
<td>. . .</td>
<td>x . . .</td>
</tr>
<tr>
<td>SIGNAL INPUT EQUAL TO OR GREATER THAN SET-POINT</td>
<td>x . . .</td>
<td>x . . .</td>
</tr>
<tr>
<td>FUNCTION FLASHING OUT OF SERVICE</td>
<td>. . .</td>
<td>. . .</td>
</tr>
</tbody>
</table>

*"x" = CLOSE JUMPER  
"- - -" = OPEN JUMPER*

**STANDARD POWER SUPPLY**

<table>
<thead>
<tr>
<th>OPTION</th>
<th>POWER</th>
<th>OPTION</th>
<th>POWER</th>
</tr>
</thead>
<tbody>
<tr>
<td>220</td>
<td>220 Vac 50/60 Hz</td>
<td>48</td>
<td>48 Vac 59/60Hz</td>
</tr>
<tr>
<td>STD</td>
<td>110 Vac 50/60 Hz</td>
<td>15/30 VDC</td>
<td>15...30 Vdc -10% (3.5 W)</td>
</tr>
<tr>
<td>24</td>
<td>24 Vac 50/60 Hz</td>
<td>24/65 VDC</td>
<td>24...65 Vdc (4 W) isolated</td>
</tr>
</tbody>
</table>
CURRENT MAX ........... 2 Aac. RESISTIVE LOAD

VOLTAGE MAX. .......... 250 Vac.

OUTPUT ...................... 1 FORM “C” RELAY FOR EACH SET-POINT
CONTACT CLOSURES FOR SET-POINT satisfactory service for a period of

DISCLAIMER language, and, additionally, purchaser will indemnify OMEGA and hold in any way. OMEGA assumes no responsibility as set forth in our basic WARRANTY/DISCLAIMER

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 in 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.

CONTROL MODES SELECTION

CONTROL CLOSURES FOR SET-POINT
OUTPUT ................. 1 FORM “C” RELAY FOR EACH SET-POINT
VOLTAGE MAX.............. 250 Vac.
CURRENT MAX............. 2 Aac. RESISTIVE LOAD

MECHANICAL DIMENSIONS mm (in)

13 (0.51) 5 max. (0.20) 100 (4.00) 25 (1.00) 100 (4.00) 10 (0.40)

REPAIR INSTRUCTIONS:

1. P.O. number to cover the COST of the repair, and

2. Model and serial number of the product under warranty, 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.

© Copyright 1998 OMEGA ENGINEERING, INC. All rights reserved. This documentation may not be copied, photocopied, reproduced, translated, or reduced to any electronic medium or machine-readable form, in whole or in part, without prior written consent of OMEGA ENGINEERING, INC.