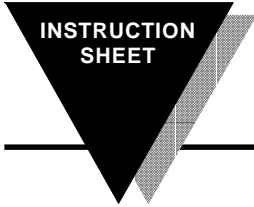
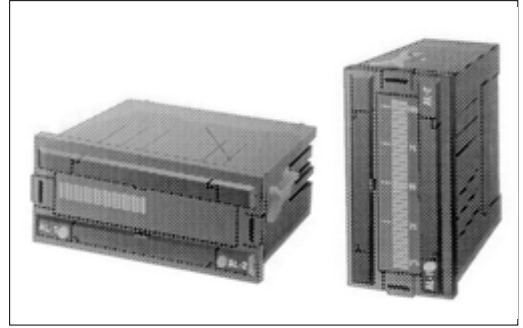


BG18- 1/ -3

Bar Graph Indicators



M2126/0900



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

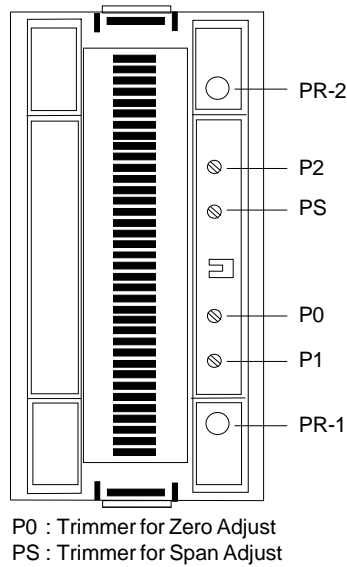
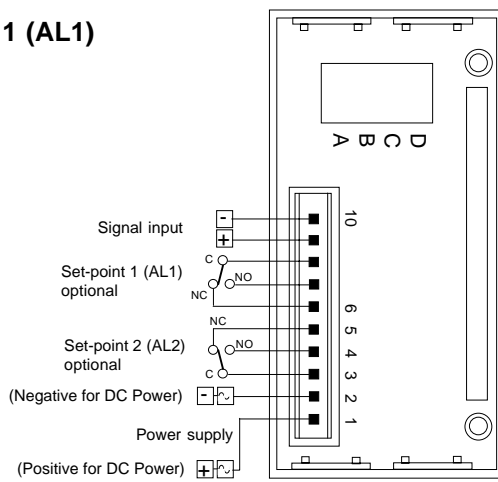


FIG. 2

REAR VIEW

SET-POINT 1 (AL1)



- PR1 : Pushbutton for Set-point 1 value display over the Bar.
- P1 : Adjustable trimmer for Set-point value change over the Bar.

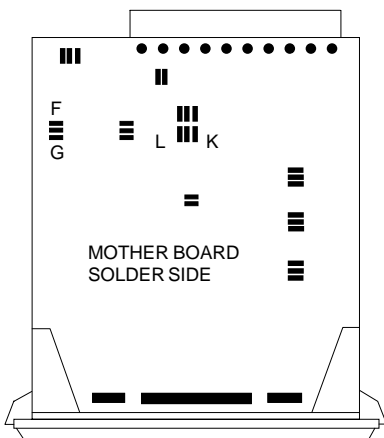
SET-POINT 2 (AL2)

- PR2 : Pushbutton for Set-point 2 value display over the Bar.
- P2 : Adjustable trimmer for Set-point value change over the Bar.

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.

FIG. 3



FLASH FUNCTION JUMPERS SELECTION

FLASHING BAR FUNCTION ON WHEN :	AL-1		AL-2	
	F	G	K	L
SIGNAL INPUT EQUAL TO OR LESS THAN SET-POINT	---	x	---	x
SIGNAL INPUT EQUAL TO OR GREATER THAN SET-POINT	x	---	x	---
FUNCTION FLASHING OUT OF SERVICE	---	---	---	---

"X" = CLOSE JUMPER " --- " = OPEN JUMPER

STANDARD POWER SUPPLY

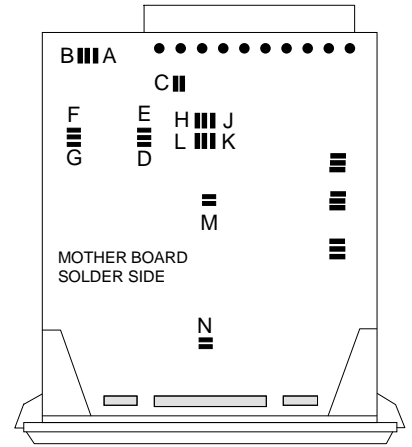
OPTION	POWER	OPTION	POWER
220	220 Vac 50/60 Hz	48	48 Vac 50/60Hz
STD	110 Vac 50/60 Hz	15/30 VDC	15...30 Vdc. -10% (3.5 W)
24	24 Vac 50/60 Hz	24/65 VDC	24...65 Vdc (4 W) isolated

SIGNAL INPUTS SELECTION

Model No Suffix	Signal Input	Jumper				Resistor R _b Value
		A	B	C	N	
-P1	0 - 100 mV	---	x	x	---	-----
-P2	0 - 1 V	x	---	x	---	-----
-P3	0 - 10 V	x	---	---	---	110 KΩ
-P4	0 - 100 V	x	---	---	---	10 KΩ
-P5	0 - 1 mA	---	x	x	---	100 Ω
-P6	0 - 20 mA	x	---	x	---	49.9 Ω
-P7	4 - 20 mA	x	---	x	x	49.9 Ω

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

FIG. 4



CONTROL MODES SELECTION

RELAY ON, WHEN THE INPUT VALUE IS:	AL-1		AL-2	
	D	E	H	J
LESS THAN OR EQUAL TO SET-POINT VALUE	---	x	---	x
GREATER THAN OR EQUAL TO SET-POINT VALUE	x	---	x	---

"X" = CLOSE JUMPER " --- " = OPEN JUMPER

RESISTOR R_b

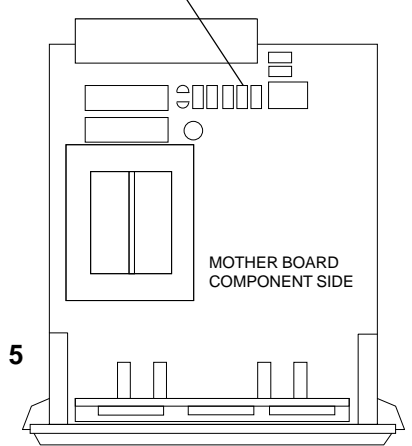
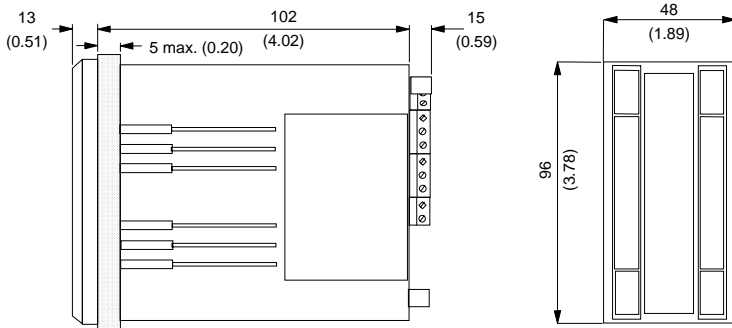


FIG. 5

CONTACT 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)



PANEL CUTOUT

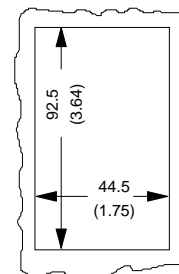


FIG. 6

WARRANTY/DISCLAIMER

OMEGA warrants this unit to be free of defects in materials and workmanship and to give satisfactory service for a period of **13 months** from date of purchase. OMEGA 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 should malfunction, 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. However, this WARRANTY is VOID if the unit shows evidence of having been tampered with or shows evidence of being 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 which wear or which are damaged by misuse are not warranted. These include contact points, fuses and triacs.

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RETURN REQUESTS / INQUIRIES

Direct all warranty and repair requests/inquiries to the OMEGA ENGINEERING 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.

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

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

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