

DP18 Series Model DP18-AT1 AC Ammeter





M2100/1014

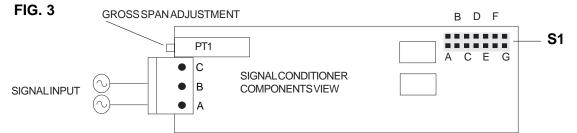
AC AMMETER for current transformer X/1

THE INPUT ALLOWS DIRECT CONNECTION TO A CURRENT TRANSFORMER (CT) WITH A 1 A. SECONDARY, WITHOUT NEED FOR AN INTERMEDIATE STEPDOWN.

SPECIFICATIONS

SPECIFICATIONS			FRONT VIEW	
DISPLAYS HEIGHT SYMBOLS DECIMAL POINTS OVERRANGE INDICATION	0.56" (14.2 mm.) 1.8.8.8 Selectable by jumpers	FIG. 1		
INPUT CONFIGURATION ZERO SPAN ADJUSTMENT CONVERTER	Automatic ± 5 % Dual-slope, average value	OI	SPAN OFFSET	
SIGNAL INTEGRATION PERIOD READ RATE RANGES HOLD	3.12 / sec. See table selection fig. 3 Optional	FIG. 2	REAR VIEW Setpoint R2 Setpoint R (option) (option)	
NOISE REJECTION NMR ACCURACY WARMUP TO RATED ACCURACY SPAN TEMPCO ZERO TEMPCO	0.2 % ± 1 count 5 minutes 150 ppm.	Isolated d (option)		
OPERATING TEMPERATURE STORAGE TEMPERATURE WEIGHT CASE MATERIAL STANDARD POWER POWER CONSUMPTION ELECTRICAL CONNECTIONS BURN-IN	-40 to 80 °C (-40 to 176 [°] F) 310 gr. (0.68 lb) ABS, DIN 43700, black color 115 Vac. ± 10 %, 50/60 Hz. 5.5 VA for AC. Push-in cable connectors	SIGNAL INPUT ANALOG ((OPTION) HOLD, latch display, while are linked	the reading	PPLY
			see instrume	nt label

RANGE SELECTION



PLACE THE PLUG-IN JUMPER ON THE SELECTOR **\$1**, IN FUNCTION OF THE NOMINAL CURRENT TRANSFORMER, AND THE DECIMAL POINT JUMPER ON THE CORRESPONDING POSITION (FIG.5 - **\$2**). TO OBTAIN THE INDICATED PERFORMANCE, USE CURRENT TRANSFORMERS CLASS 0.5 OR BETTER.

RANGE SELECTOR (Fig.3 - S1) - DECIMAL POINT SELECTOR (Fig.5 - S2)

I NOMINAL Amp.AC	READING Amp.AC	RANGE (S1) CLOSE JUMPER	D.P. (S2) CLOSE JUMPER	RESOLUTION Amp.AC	I NOMINAL Amp.AC	READING Amp.AC	RANGE (S1) CLOSE JUMPER	D.P. (S2) CLOSE JUMPER	RESOLUTION Amp.AC
5	5.00	D	D2	0.01	150	150.0	G	D1	0.1
10	10.00	F	D2	0.01	250	250	В		
15	15.0	A	D1		400	400	С		
25	25.0	В	D1		500	500	D		
40	40.0	С	D1	0.1	600	600	E		1
50	50.0	D	D1		1000	1000	F		-
60	60.0	E	D1		1500	1500	G		1
100	100.0	F	D1						



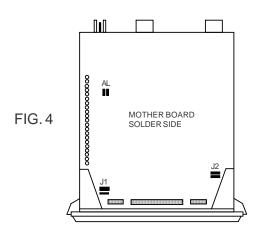
OPTIONS AND POWER SUPPLIES AVAILABLE FOR DP18 Series

CONTROLOUTPUT/COMMUNICATIONSOPTIONS Select a maximum of one option from each column

POWER SUPPLY OPTIONS

OPTION	DESCRIPTION	OPTION	DESCRIPTION	OPTION	POWER	OPTION	POWER
BCD R1 R2 APH1 232	PARALLEL BCD, OPTOISOLATED SINGLE SETPOINT, 3 Amp. Relay DUAL SETPOINT, 3 Amp: Relays ANALOG PEAK HOLD ISOLATED SERIAL OUTPUT RS-232	A01 A02 A03 APH2	ANALOG OUTPUT, MA SINK ANALOG OUTPUT, MA SOURCE ANALOG OUTPUT, VOLTAGE ANALOG PEAK HOLD	230 STD 24 48	230 Vac 50/60 Hz 115 Vac 50/60 Hz 24 Vac 50/60 Hz 48 Vac 50/60 Hz	15/30 Vdc 24/65 Vdc	1530 Vdc10% (3.5 W) isolated 2465 Vdc (4 W) isolated

SELECTION OF : DECIMAL POINTS AND SPECIAL OPTIONS



JUMPERS SELECTION FOR SPECIAL OPTIONS

AL: OPEN ONLY WHEN ALARM SETPOINT CARD OPTION IS ADDED J1: OPEN TO ELIMINATE THE LEAST-SIGNIFICANT DIGIT(LSD) J2: OPEN TO ELIMINATE THE INDICATION \pm

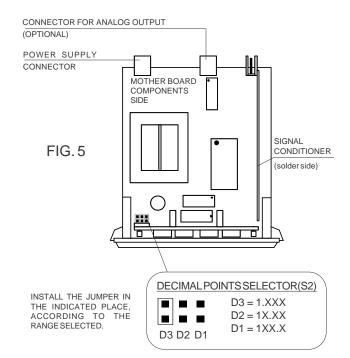
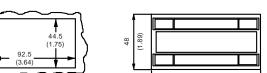
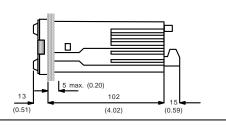


FIG.6



96 (3.78)

MECHANICAL DIMENSIONS mm (in)



WARRANTY/DISCLAIMER

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OMEGA warrants this unit to be free of defects in materials and workmanship and to give 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 uper survivide a damaged during the prior to part marger the damaged as a result of excessive 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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MEGA

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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 **NON-WARRANTY** REPAIRS, consult OMEGA for current repair charges. Have the following information available BEFORE

2. 3.

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

P.O. number under which the product was 1. PURCHASED

- 2.
- Model and serial number of the product under warranty, and Repair instructions and/or specific prob-lems relative to the product. 3.

problems relative to the product.

1. P.O. number to cover the COST of the

Model and serial number of product, and Repair instructions and/or specific

contacting OMEGA:

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