

DP18 Series Model DP18-AT2 **AC** Ammeter



M2099/1014



AC AMMETER for current transformer X/5

THE INPUTALLOWS DIRECT CONNECTION TO A CURRENT TRANSFORMER (CT) WITH A 5 A. SECONDARY, WITHOUT NEED FOR AN INTERMEDIATESTEPDOWN.

SPECIFICATIONS

HEIGHT 0.56" (14.2 mm.)

SYMBOLS...... 1.8.8.8

DECIMAL POINTS Selectable by jumpers OVERRANGE INDICATION Display flashes

INPUTCONFIGURATION Bipolar single ZERO Automatic
SPANADJUSTMENT ± 5 %

CONVERTER Dual-slope, average value

SIGNALINTEGRATION PERIOD 80 ms. READRATE 3.12 / sec.

RANGES ... See table selection fig. 3 HOLD ... Optional

NOISEREJECTIONNMR 50 dB. 50/60 Hz. WARMUPTO RATED ACCURACY 5 minutes

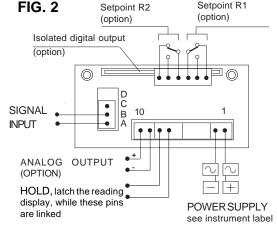
SPANTEMPCO . . .

ZEROTEMPCO 2.5 μV/°C.

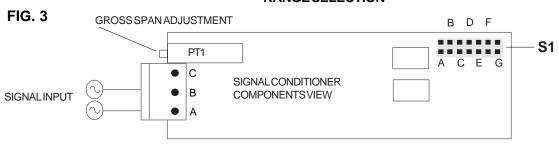
OPERATINGTEMPERATURE 0 to 50 °C (32 to 122 °F)
 STORAGE TEMPERATURE
 -40 to 80 °C (-40

 WEIGHT
 310 gr. (0.68 lb)
 -40 to 80 °C (-40 to 176 °F)

FRONT VIEW FIG. 1 SPAN OFFSET SPAN: ADJUST THE MAXIMUM READING. **OFFSET:** NOT IN SERVICE SPAN ADJUSTMENT IS ACCESSIBLE BEHIND THE LOW DOOR **REAR VIEW** FIG. 2 Setpoint R2 Setpoint R1



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
5	5.00	D	D2	0.01	150	150.0	G	D1
10	10.00	F	D2		250	250	В	
15	15.0	А	D1	0.1	400	400	С	
25	25.0	В	D1		500	500	D	
40	40.0	С	D1		600	600	Е	
50	50.0	D	D1		1000	1000	F	
60	60.0	Е	D1		1500	1500	G	
100	100.0	F	D1					

I NOMINAL Amp.AC	READING Amp.AC	RANGE (S1) CLOSE JUMPER	D.P. (S2) CLOSE JUMPER	RESOLUTION Amp.AC
150	150.0	G	D1	0.1
250	250	В		
400	400	С		
500	500	D		
600	600	Е		1
1000	1000	F		
1500	1500	G		



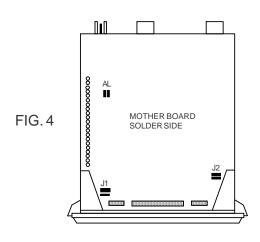
CONTROLOUTPUT/COMMUNICATIONSOPTIONS Select a maximum of one option from each column

OPTION	DESCRIPTION	OPTION	DESCRIPTION
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

POWER SUPPLY OPTIONS

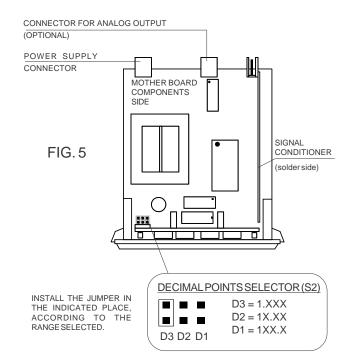
OPTION	POWER	OPTION	POWER
230 STD 24 48	230 Vac 50/60 Hz 115 Vac 50/60 Hz 24 Vac 50/60 Hz 48 Vac 50/60 Hz	15/30 Vdc 24/65 Vdc	1530 Vdc10% (3.5 W) isolated 2465 Vdc (4 W) isolated

SELECTION OF: DECIMAL POINTS AND SPECIAL OPTIONS



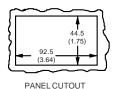
JUMPERS SELECTION FOR SPECIAL OPTIONS

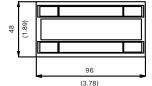
AL: OPEN ONLY WHEN ALARM SETPOINT CARD OPTION IS ADDED J1: OPEN TO ELIMINATE THE LEAST-SIGNIFICANT DIGIT(LSD)
J2: OPEN TO ELIMINATE THE INDICATION ±

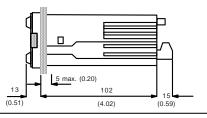


MECHANICAL DIMENSIONS mm (in)









■ WARRANTY/DISCLAIMER ■

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FOR WARRANTY RETURNS, please have e following information available BEFORE intacting OMEGA:
P.O. number under which the product was PURCHASED.
Model and serial number of the product

- underwarranty, and
- 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.
- Model and serial number of product, and Repair instructions and/or specific 3.
- problems relative to the product.

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