

DP18 Series Models DP18-AV1 / -AV2 / -AV3 / -AV4 **AC** Voltmeter



M2101/1294



AC INSTRUMENT, 3/2 DIGITS, WITH FOUR RANGES SELECTABLE ON THE SIGNAL CONDITIONER BY PLUG-IN JUMPERS. THE READING CANNOT BE MODIFIED, THEREFORE THE DISPLAY WILL SHOWS EXACTLY THE VALUE PRESENT AT THE INPUT SIGNAL.

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 %

RANGES See table selection

HOLD Optional

NOISEREJECTIONNMR 50 dB. 50/60 Hz.

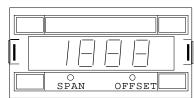
ZEROTEMPCO 2.5 μ V/°C.

 OPERATINGTEMPERATURE
 0 to 50 °C (32 to 122 °F)

 STORAGETEMPERATURE
 -40 to 80 °C (-40 to 176 °F)

 WEIGHT
 310 gr. (0.68 lb)

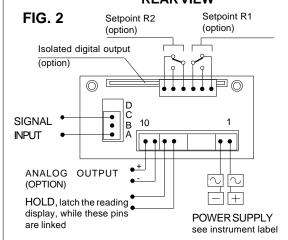
FRONT VIEW FIG. 1



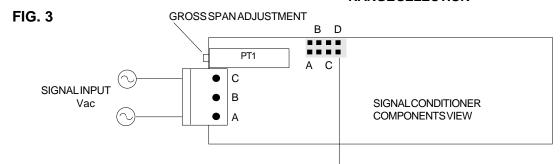
SPAN: ADJUST THE MAXIMUM READING. **OFFSET:** NOT IN SERVICE

SPAN ADJUSTMENT IS ACCESSIBLE BEHIND THE LOW DOOR.

REAR VIEW



RANGE SELECTION



S1 SELECTOR								
MODEL	RANGE Vac.	DISPLAY READING	CLOSE JI FIG.3 SIGNAL CONDITIONER	JMPER FIG.5 DECIMAL POINT	RESOLUTION mV.	INPUT RESISTANCE		
DP18-AV1	2	1.999	А	D3	1	1.000 Ω		
DP18-AV2	20	19.99	В	D2	10	10.000 Ω		
DP18-AV3	200	199.9	С	D1	100	100.000 Ω		
DP18-AV4	500	500	D		1.000	1 ΜΩ		

SELECT THE DESIRED RANGE, CLOSING THE APPROPRIATE JUMPER (SELECTOR S1) ON THE SIGNAL CONDITIONER. CLOSE THE APPROPRIATE DECIMAL POINT JUMPER (FIG.5), CORRESPONDING TO THE RANGE SELECTED.



OPTIONS AND POWER SUPPLIES AVAILABLE FOR DP18 Series

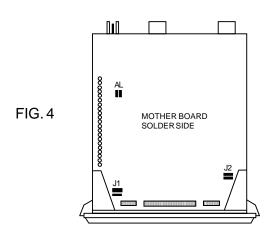
CONTROLOUTPUT/COMMUNICATIONSOPTIONS Select a maximum of one option from each column

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

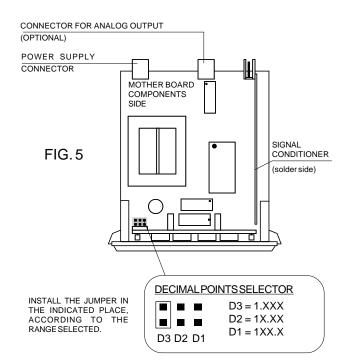
OPTION	POWER	OPTION	POWER
230 STD 24 48	230 Vac 50/60 Hz 115 Vac 50/60 Hz 24 Vac 50/60 Hz 48 Vac 50/60 Hz	15/30 Vdc 24/65 Vdc	1530 Vdc10% (3.5 W) isolated 2465 Vdc (4 W) isolated

SELECTION OF: DECIMAL POINTS AND SPECIAL OPTIONS



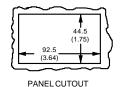
JUMPERS SELECTION FOR SPECIAL OPTIONS

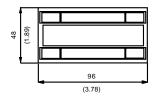
- $\begin{array}{lll} \textbf{AL:} \ OPEN \ ONLY \ WHEN \ ALARM \ SETPOINT \ CARD \ OPTION \ IS \ ADDED \\ \textbf{J1:} \ OPEN \ TO \ ELIMINATE \ THE \ LEAST-SIGNIFICANT \ DIGIT(LSD) \\ \textbf{J2:} \ OPEN \ TO \ ELIMINATE \ THE \ INDICATION \ \pm \end{array}$

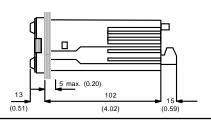


MECHANICAL DIMENSIONS mm (in)









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

- 1. P.O. number under which the product was PURCHASED.
- Model and serial number of the product
- under warranty, and Repair instructions and/or specific prob-lems relative to the product.
- FOR **NON-WARRANTY** REPAIRS, consult OMEGA for current repair charges. Have the following information available BEFORE contacting OMEGA:
- P.O. number to cover the COST of the
- Model and serial number of product, and 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

OMEGA's point yis to make turning changes, internote changes, wherever armiprovements possible. This affords our customers the latest in technology and engineering.

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