



# DP18 Series Model DP18-AT2 AC Ammeter

INSTRUCTION  
SHEET

M2099/1294



## AC AMMETER for current transformer X/5

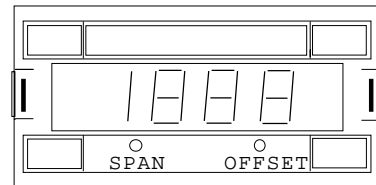
THE INPUT ALLOWS DIRECT CONNECTION TO A CURRENT TRANSFORMER (CT) WITH A 5 A. SECONDARY, WITHOUT NEED FOR AN INTERMEDIATE STEPDOWN.

### SPECIFICATIONS

DISPLAYS	3½ digits, 7 segment, red LED
HEIGHT	0.56" (14.2 mm.)
SYMBOLS	1.8.8.8
DECIMAL POINTS	Selectable by jumpers
OVERRANGE INDICATION	Display flashes
INPUT CONFIGURATION	Bipolar single
ZERO	Automatic
SPAN ADJUSTMENT	± 5 %
CONVERTER	Dual-slope, average value
SIGNAL INTEGRATION PERIOD	80 ms.
READ RATE	3.12 / sec.
RANGES	See table selection fig. 3
HOLD	Optional
NOISE REJECTION NMR	50 dB. 50/60 Hz.
ACCURACY	0.2 % ± 1 count
WARMUP TO RATED ACCURACY	5 minutes
SPAN TEMPCO	150 ppm.
ZERO TEMPCO	2.5 µV/°C.
OPERATING TEMPERATURE	0 to 50 °C (32 to 122 °F)
STORAGE TEMPERATURE	-40 to 80 °C (-40 to 176 °F)
WEIGHT	310 gr. (0.68 lb)
CASE MATERIAL	ABS, DIN 43700, black color
STANDARD POWER	115 Vac. ± 10 %, 50/60 Hz.
POWER CONSUMPTION	5.5 VA for AC.
ELECTRICAL CONNECTIONS	Push-in cable connectors
BURN-IN	24 h.

FIG. 1

### FRONT VIEW

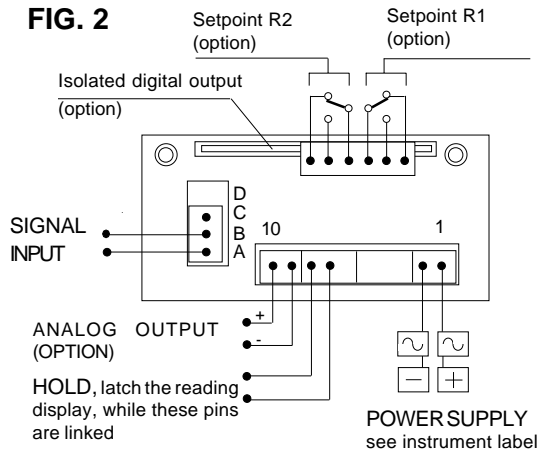


**SPAN**: ADJUST THE MAXIMUM READING.  
**OFFSET**: NOT IN SERVICE

SPAN ADJUSTMENT IS ACCESSIBLE BEHIND THE LOW DOOR.

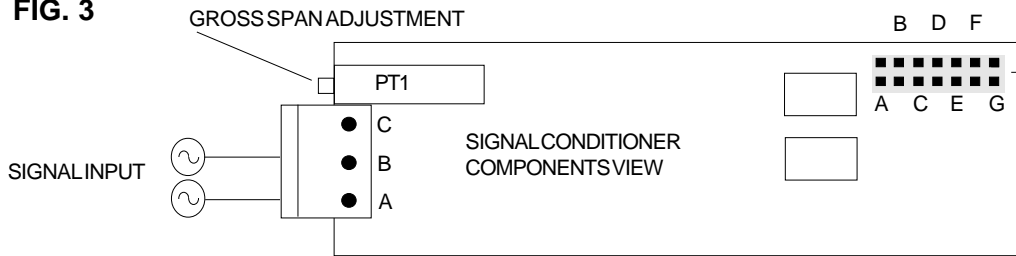
FIG. 2

### REAR VIEW



### RANGE SELECTION

FIG. 3



PLACE THE PLUG-IN JUMPER ON THE SELECTOR S1, IN FUNCTION OF THE NOMINAL CURRENT TRANSFORMER, AND THE DECIMAL POINT JUMPER ON THE CORRESPONDING POSITION (FIG.5). TO OBTAIN THE INDICATED PERFORMANCE, USE CURRENT TRANSFORMERS CLASS 0.5 OR BETTER.

SELECTOR S1							
I NOMINAL Amp.AC	READING Amp.AC	CLOSE JUMPER	RESOLUTION Amp.AC	I NOMINAL Amp.AC	READING Amp.AC	CLOSE JUMPER	RESOLUTION Amp.AC
5	5.00	D	0.01	150	150.0	G	0.1
10	10.00	F		250	250	B	
15	15.0	A	0.1	400	400	C	1
25	25.0	B		500	500	D	
40	40.0	C		600	600	E	
50	50.0	D		1000	1000	F	
60	60.0	E		1500	1500	G	
100	100.0	F					



OPTIONS AND POWER SUPPLIES AVAILABLE FOR DP18 Series

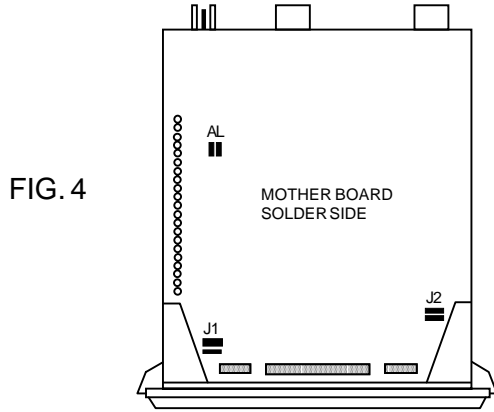
CONTROL OUTPUT/COMMUNICATIONS OPTIONS
Select a maximum of one option from each column

POWER SUPPLY OPTIONS

Table with 4 columns: OPTION, DESCRIPTION, OPTION, DESCRIPTION. Lists options like BCD, R1, R2, APH1, 232 and A01, A02, A03, APH2.

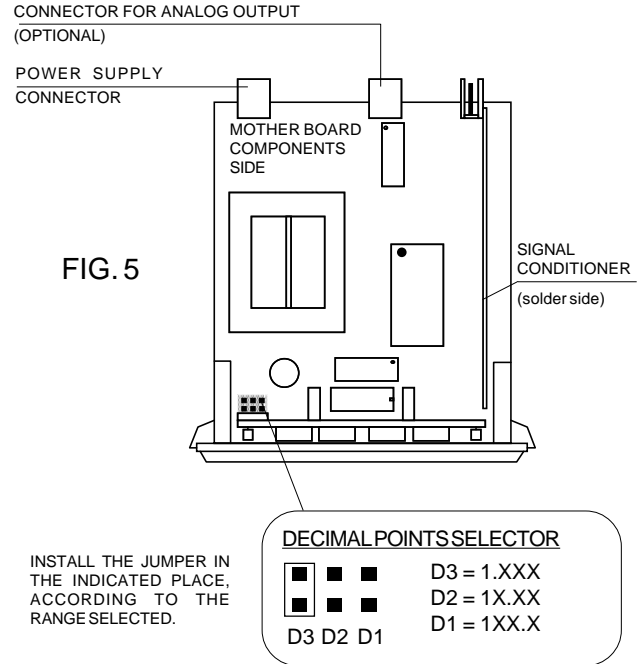
Table with 4 columns: OPTION, POWER, OPTION, POWER. Lists power supply options like 230, STD, 24, 48.

SELECTION OF : DECIMAL POINTS AND SPECIAL OPTIONS



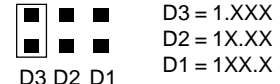
JUMPERS SELECTION FOR SPECIAL OPTIONS

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 ±



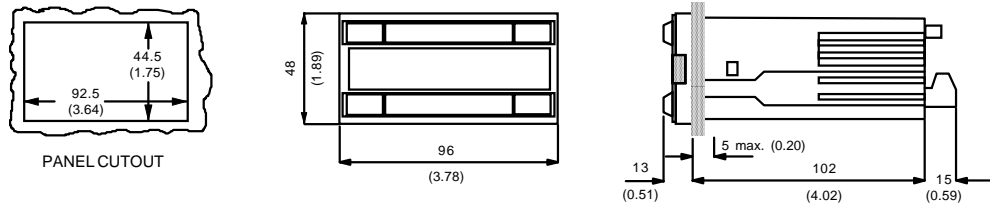
INSTALL THE JUMPER IN THE INDICATED PLACE, ACCORDING TO THE RANGE SELECTED.

DECIMAL POINTS SELECTOR



MECHANICAL DIMENSIONS mm (in)

FIG. 6



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

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