



TABLE 1 (VOLTAGE INPUT)

RESISTOR SHOWN IS INSTALLED BY FACTORY TO PREVENT SENSOR FAILURE INDICATION ON UNASSIGNED POSITIONS. REMOVE RESISTOR ONLY WHEN POSITION IS ASSIGNED.

MODEL No.	RANGE	FACTORY INSTALLED RESISTOR
91AD*AXD1	0.2 TO 1.0V	470K OHMS, 5%, 1/4W, P/N 630654
91AD*AXD2	0.0 TO 1.0V	220K OHMS, 5%, 1/4W, P/N 630624
91AD*AXD3	1 TO 5V	2.2M OHMS, 5%, 1/4W, P/N 630701
91AD*AXD4	0 TO 10V	NONE REQUIRED
91AD*AXD5	-5 TO +5V	NONE REQUIRED
91AD*AXD6	-10 TO +10V	NONE REQUIRED
91AD*AXD7	-1 TO +1V	NONE REQUIRED
91AD*AXD8	0 TO 100MV	22K OHMS, 5%, 1/4W, P/N 630507

TABLE 2 (CURRENT INPUT)

THE REQUIRED AUX T.B. WILL BE FACTORY INSTALLED, HOWEVER, ITS RESISTOR VALUE WILL NOT PREVENT A "SENSOR FAILURE" INDICATION ON AN UNASSIGNED POSITION. TO PREVENT THIS, THE 90ATB* ASSEMBLY MUST BE REMOVED AND REPLACED WITH AN APPROPRIATE RESISTOR (470K FOR ***AXD1, 220K FOR ***AXD2). WHEN THE CARD INPUT IS TO BE ACTIVATED, THEN REMOVE THE RESISTOR AND REINSTALL THE 90ATB* ASSEMBLY.

MODEL No.	RANGE	AUXILIARY T.B. REQUIRED	VALUE IN OHMS (1%, MF)
91AD*AXD2	0 TO 4mA	90ATB6	249 OHMS, P/N 631541, 1/8W
91AD*AXD1	1 TO 5mA	90ATB5	200 OHMS, P/N 631540, 1/8W
91AD*AXD1	4 TO 20mA	90ATB4	49.9 OHMS, P/N 631539, 1/8W
91AD*AXD1	10 TO 50mA	90ATB3	20 OHMS, P/N 631538, 1/8W
91AD*AXD1	0.4 TO 2mA	90ATB7	499 OHMS, P/N 631542, 1/8W
91AD*AXD2	0 TO 1mA	90ATB8	1K OHMS, P/N 631543, 1/8W
91AD*AXD2	0 TO 100µA	90ATB12	10K OHMS, P/N 631467, 1/8W

- NOTES:**
- SEE DRAWING No. 90400-DD*-1 FOR STANDARD DIGITAL DISPLAY CONFIGURATION & INTERFACE WITH METER SET, FOR SYSTEMS UP TO 5 MODULES WIDE (100 POINTS MAX.)
 - SEE DRAWING No. 90400-DD*-2 FOR EXPANDED DIGITAL DISPLAY CONFIGURATION & INTERFACE WITH METER SET, FOR SYSTEMS UP TO 10 MODULES WIDE (200 POINTS MAX.)
 - FOR MODELS 91AD1* (SINGLE SET) METER SET ANALOG CARDS(S), USE SINGLE POINT SEQUENCE CARD(S) WITH DM12DC INPUT.
FOR MODELS 91AD2* (DUAL SET) METER SET ANALOG CARDS(S), USE TWIN POINT SEQUENCE CARD(S) WITH DM12DC INPUT.
 - USED TO MONITOR TRANSDUCER STATUS DURING CUSTOMER CALIBRATION, REF. INSTRUCTION MANUAL & TEST PROBE. MODEL 90TP2 TEST PROBE TO BE USED TO CONNECT TEST JACK "TP1" TO CUSTOMER'S MULTIMETER. RESISTOR POSITION, AXD3 ONLY.
 - CAN BE USED FOR POWER FACTOR SCALE (*PF).

DASHED LINES INDICATE CUSTOMER FIELD WIRING

REV	ECN NO.	BY	APPD	DATE	MATERIAL: *****
11	10319	SK	AD	01/09/90	FINISH: *****
12	7099-71	SK	AHD	05/11/90	USED ON/REF. DWG
13	11872	SK	.	/ /	91AD*
					900252
					91900-AD-1
					90DD*

TOL. UNLESS SPECIFIED

INCHES
.XX = .015
.XX = .010
.XXX = .005

MILLIMETERS
X.D = 1.0
O.X = 0.4
O.XX = 0.1

ANGLES ±0°30'

SCALE INCH (NONE) (MM)

AMETEK

PANALARM 1725 WESTERN DRIVE, WEST CHICAGO, ILL., 60185, U.S.A.
PHONE: 1-630-231-5900 FAX: 1-630-231-4502

DOWN BY ARF / SK
APPRO/DATE JES 07/07/82
THIRD ANGLE PROJECTION

INPUT WIRING DIAGRAM FOR MODEL 91AD*AXD*
ACTIVE INSTRUMENTATION SIGNAL
USED ON SERIES 90 METER SET ANALOG

SHEET 1 OF 1 DWG. NO. 91450-AXD*-1 -C-