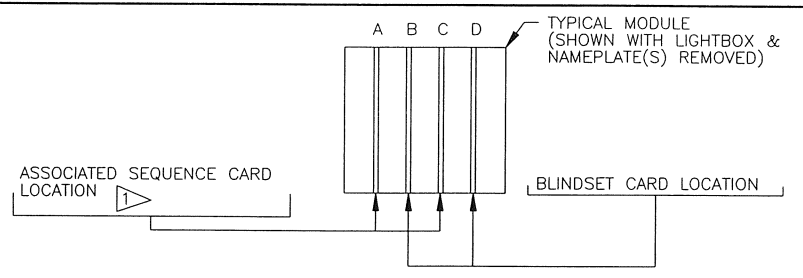
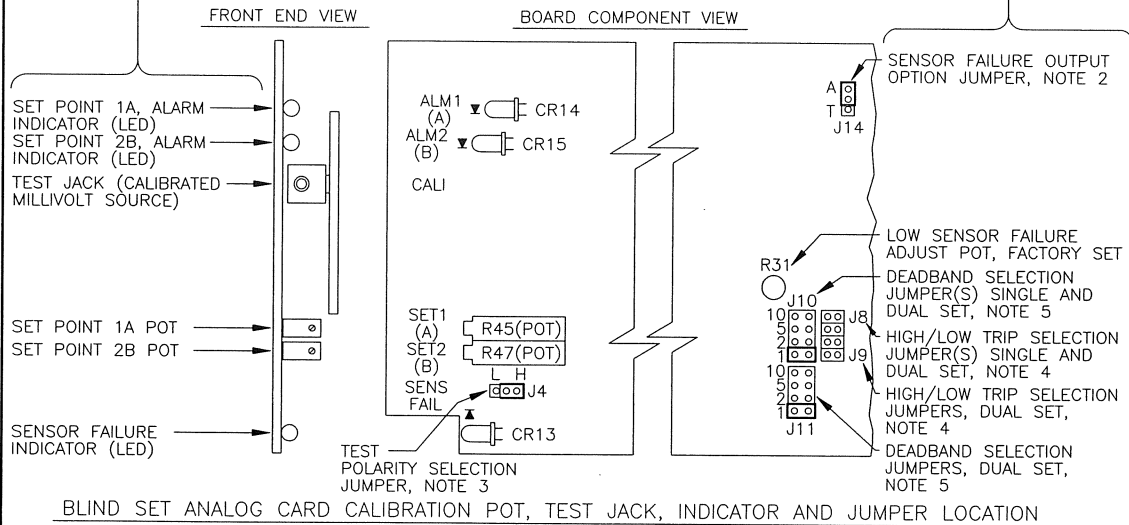
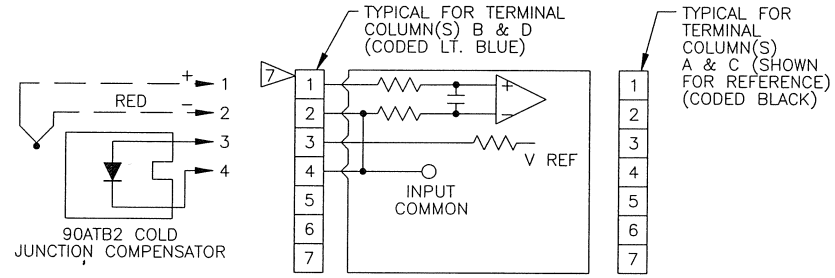


SEE INSTRUCTION MANUAL NO. 900251 FOR COMPLETE INSTALLATION INSTRUCTIONS AND CALIBRATION PROCEDURE



TYPICAL CARD ARRANGEMENT WITH STANDARD MODULE  
(SEQUENCE CARD POS."A" INTERFACED WITH BLINDSET ANALOG CARD, POS."B")  
(SEQUENCE CARD POS."C" INTERFACED WITH BLINDSET ANALOG CARD, POS."D" IF USED)



SIGNAL INPUT WIRING DIAGRAM

- NOTES:
- FOR MODEL 91AB1\* (SINGLE SET) BLIND SET ANALOG CARD(S), USE SINGLE POINT SEQUENCE CARD(S) WITH DB12DC INPUT, NO/NC JUMPER MUST BE SET IN NC POSITION. FOR MODEL 91AB2\* (DUAL SET) BLIND SET ANALOG CARD(S), USE TWIN POINT SEQUENCE CARD(S) WITH DB12DC INPUT, NO/NC JUMPER MUST BE SET IN NC POSITION.
  - SENSOR FAILURE OUTPUT OPTION: (FACTORY SET FOR BOTH ALARM OUTPUTS)  
A POSITION: SENSOR FAILURE ACTIVATES BOTH ALARM OUTPUTS.  
T POSITION: SENSOR FAILURE ACTIVATES TEST OUTPUT.
  - TEST POLARITY OPTION: (FACTORY SET FOR HIGH TRIP)  
H POSITION: TEST P.B. WILL CHECK HIGH TRIP ALARMS.  
L POSITION: TEST P.B. WILL CHECK LOW TRIP ALARMS.
  - HIGH OR LOW TRIP OPTION: (FACTORY SET FOR HIGH TRIP)  
BOTH JUMPER HORIZONTAL: ALARM FOR SIGNAL GREATER THAN SET POINT.  
BOTH JUMPER VERTICAL: ALARM FOR SIGNAL LESS THAN SET POINT.
  - DEADBAND OPTION: (FACTORY SET FOR 1%)  
HORIZONTAL JUMPER: POSITION SELECTS 1, 2, 5 OR 10% DEADBAND.  
VERTICAL JUMPER: ANY POSITION SELECTS 1/2% DEADBAND.  
(OPTION "1DB" REDUCES ALL DEADBANDS BY 50%).
  - USE TEST PROBE 90TP2 TO CONNECT TO TEST JACK.
  - TO PREVENT SENSOR FAILURE INDICATION ON UN-WIRED POINTS, JUMPER TERMINAL 1 TO TERMINAL 2.

DASHED LINES INDICATE CUSTOMER FIELD WIRING

TABLE 1

MODEL NO.	RANGE	THERMOCOUPLE TYPE
91AB*TC1	0 TO 760°C	J
91AB*TC2	0 TO 1260°C	K
91AB*TC3	-185 TO 370°C	T
91AB*TC4	-185 TO 870°C	E

REV	ECN NO.	BY	APPD	DATE	MATERIAL:
05	10319	SK	AHD	01/09/90	FINISH:
06	10984	SK	PG	08/04/92	USED ON/REF. DWG
07	11160	SM	JT	11/19/92	91AB*
08	11872	SK	<i>MJZ</i>	<i>6/15/01</i>	900251
					91900-AB-1

TOL. UNLESS SPECIFIED  
INCHES  
.X = .015  
.XX = .010  
.XXX = .005  
MILLIMETERS  
X.0 = 1.0  
O.X = 0.4  
O.XX = 0.1  
ANGLES ±0°30'  
SCALE INCH (MM)  
NTS

91450-TC\_-2-08-01.dwg © 1982

**AMETEK**

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

DWN. BY JT/SM  
APPD/DATE LC 08/03/82  
THIRD ANGLE PROJECTION

INPUT WIRING DIAGRAM FOR MODEL 91AB\*TC\* THERMOCOUPLE  
USED ON SERIES 90 BLIND SET ANALOG

SHEET 1 OF 1 DWG. NO. 91450-TC\*-2 -B-