

**DIAGNOSTICS IN INSTRUMENT MUST BE TURNED OFF FOLLOW INSTRUCTIONS BELOW**

TERMINALS 1 AND 5 ARE TIE POINTS WITH NO CONNECTION TO THE INTERNAL CIRCUITRY OF THE PREAMPLIFIER.

**NOTES :**

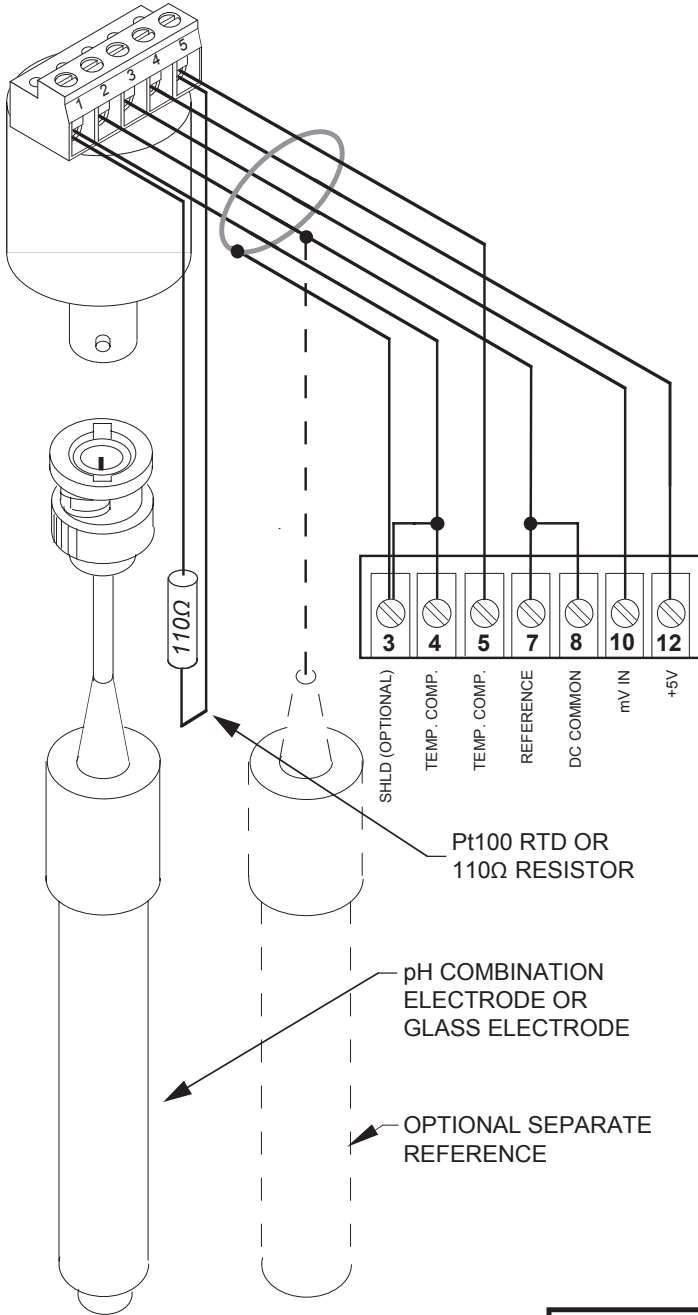
**GENERAL**

TO DISABLE MODEL 54 DIAGNOSTIC ALARMS:

- From the main measurement screen, press button 3 times to highlight **PROGRAM**
- Press **F4 (ENTER)** 1 time, then button 2 times to highlight **CONFIGURE**
- Press **F4 (ENTER)** then **F3 (MORE)** to highlight **DIAGNOSTICS: (On or Off)**
- Press button 2 to highlight **DIAGNOSTICS: Off**
- Press **F4 (ENTER)** 1 time, then **F1 (EXIT)** 3 times to return to main screen.

OUTPUT TO THE INSTRUMENT FROM THE PREAMP IS A GAIN OF 1, NORMAL POLARITY.

WHEN A COMBINATION ELECTRODE IS USED, REFERENCE CONNECTION IS MADE THROUGH THE BNC CONNECTOR. IF A SEPARATE REFERENCE CELL IS USED, CONNECT IT TO TERMINAL 2 OF THE PREAMP, AS SHOWN.



**TB1 INSIDE MODEL 54**


**TEMPERATURE COMPENSATION**

THE INSTRUMENT PERFORMS AUTOMATIC COMPENSATION USING A Pt100 ELEMENT. IF YOU ARE NOT USING AUTO TC THEN A 110Ω RESISTOR MUST BE CONNECTED BETWEEN 4 & 5, AND A JUMPER WIRE BETWEEN 3 & 4.

**SHIELDING**

TAKE CARE NOT TO ALLOW THE BNC SHIELD (REFERENCE LEAD) TO CONTACT METAL PIPING OR J-BOXES AT ANY POINT, AS THIS WILL SHORT THE REFERENCE CELL TO EARTH GROUND, AND CAUSE UNSTABLE READINGS. SHIELDING OF THE CABLE FROM AMPLIFIER TO INSTRUMENT IS USUALLY NOT REQUIRED. IF A SHIELD IS USED, CONNECT IT TO TERMINAL 3 IN THE INSTRUMENT ONLY, AND BE SURE THAT IT DOES NOT TOUCH ANY OF THE OTHER LEADS.

NOTES UNLESS OTHERWISE SPECIFIED:

		11751 Markon Drive	
		Garden Grove, CA. 92841 USA	
DRAWN <b>BOB HUNT</b>		TITLE <b>U698-03 PREAMPLIFIER WITH ROSEMOUNT MODEL 54</b>	
CHECKED 5/26/95		SCALE <b>NONE</b>	DRAWING NO.
APPROVED		SHEET <b>1 OF 1</b>	<b>U698-03-54</b>
			REV.

11751 Markon Drive  
Garden Grove, CA. 92841 USA  
phone: 714-895-4344 fax: 714-894-4839