

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 :

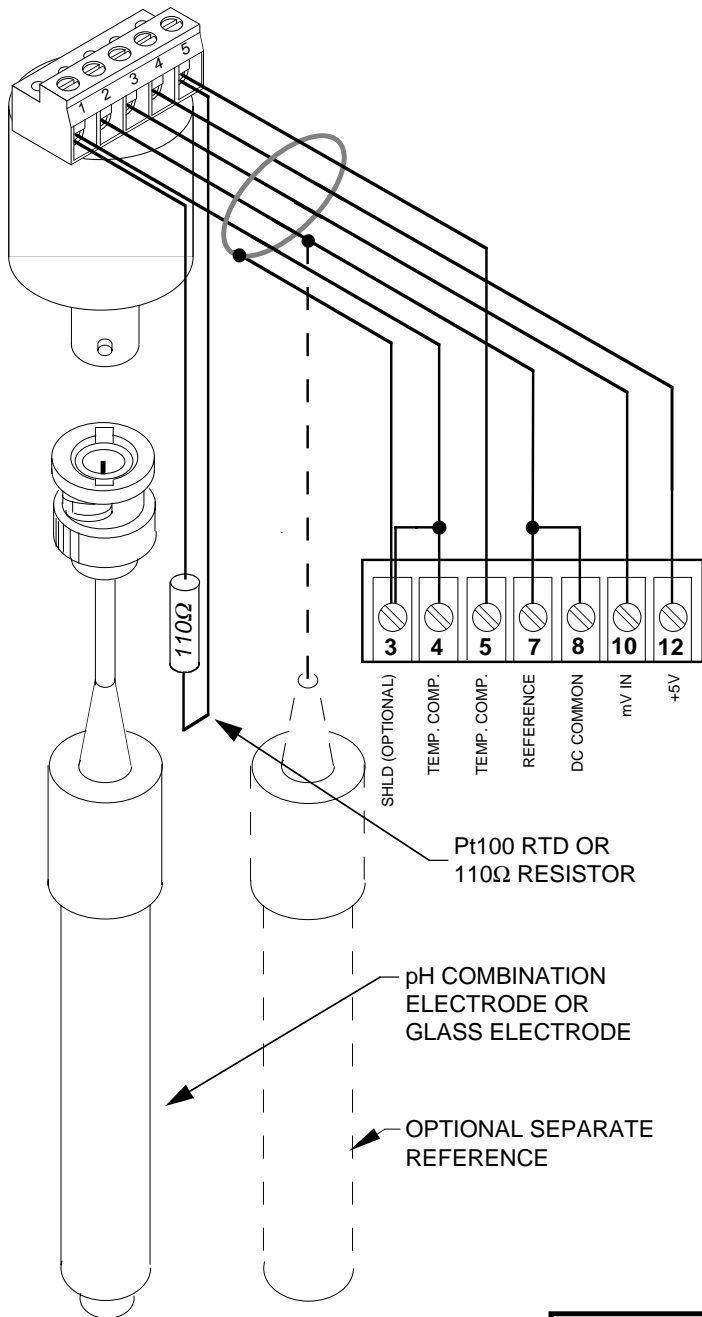
GENERAL

TO DISABLE MODEL 54 DIAGNOSTIC ALARMS:

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

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DRAWN	BOB HUNT	TITLE U698-03 PREAMPLIFIER WITH ROSEMOUNT MODEL 54	
CHECKED	5/26/95	SCALE	NONE
APPROVED		DRAWING NO.	
		SHEET	1 OF 1
			U698-03-54
		REV.	