

NOTES :

GENERAL

OUTPUT TO THE INSTRUMENT FROM THE PREAMP IS UNITY GAIN, INVERTED POLARITY.

WHEN A COMBINATION ELECTRODE IS USED, REFERENCE CONNECTION IS MADE THROUGH THE BNC CONNECTOR TO THE GREEN WIRE AND TERMINAL 6. IF A SEPARATE REFERENCE CELL IS USED, CONNECT ITS LEAD TO TERMINAL 6 AND LEAVE THE GREEN WIRE IN PLACE ON 6.


TEMPERATURE COMPENSATION

THE V1-LN AMPLIFIER PERFORMS AUTOMATIC COMPENSATION USING A 3KΩ AT 25°C BALCO ELEMENT, WITH A SLOPE OF +13.5Ω/°C. IF YOU ARE USING A 3KΩ BALCO ELEMENT, THEN THE 3.01KΩ RESISTOR ON THE PREAMP MUST BE REMOVED, AND THE BALCO CONNECTED IN ITS PLACE.

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 EARTH GROUND AT ONE POINT 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	
CHECKED		V1-LN PREAMPLIFIER WIRING	
APPROVED		L&N SERIES 7075	
		SCALE	DRAWING NO.
		NONE	V1-LN-7075
	Rev. C, 10/25/01	SHEET	REV.
		1 OF 1	C