



NOTES :

GENERAL

OUTPUT TO THE INSTRUMENT FROM THE PREAMP IS UNITY GAIN.

WHEN A COMBINATION ELECTRODE IS USED, REFERENCE CONNECTION IS MADE THROUGH THE BNC CONNECTOR.

TEMPERATURE COMPENSATION

FOR AUTOMATIC COMPENSATION, CONNECT A 301Ω NTC ELEMENT BETWEEN TERMINALS 3 AND 6 IN THE INSTRUMENT AND SELECT **THERM** WITH THE INTERNAL TC SWITCH. OR, SELECT **RTD** AND CONNECT A Pt1000 ELEMENT OR A 1000Ω RESISTOR BETWEEN 3 AND 6. THE PREAMPLIFIER HAS NO AUTO TC CAPABILITY.

EARTH GROUNDING WARNING

DON'T LET ANY OF THE LEADS OR THE BNC CONNECTOR TOUCH METAL PIPING, CONDUIT, OR OTHER EARTH GROUNDS. THIS WILL CREATE A "GROUND LOOP" AND CAUSE VERY UNSTABLE OR OFF-SCALE READINGS. TO CHECK FOR A GROUND LOOP, DISCONNECT THE BNC AND PUT AN OHM METER BETWEEN TERMINAL 5 OF THE PREAMP AND A GOOD EARTH GROUND. YOU SHOULD READ INFINITY. ANY OHMS READING AT ALL INDICATES A SHORT TO GROUND WHICH MUST BE FOUND AND ELIMINATED.

NOTES UNLESS OTHERWISE SPECIFIED:

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phone: 714-895-4344 fax: 714-894-4839			
DRAWN	BOB HUNT	TITLE	GL90A PREAMPLIFIER WIRING GREAT LAKES MODEL 692
CHECKED			
APPROVED		SCALE	NONE
		DRAWING NO.	GL90A-692
		SHEET	1 OF 1
		REV.	