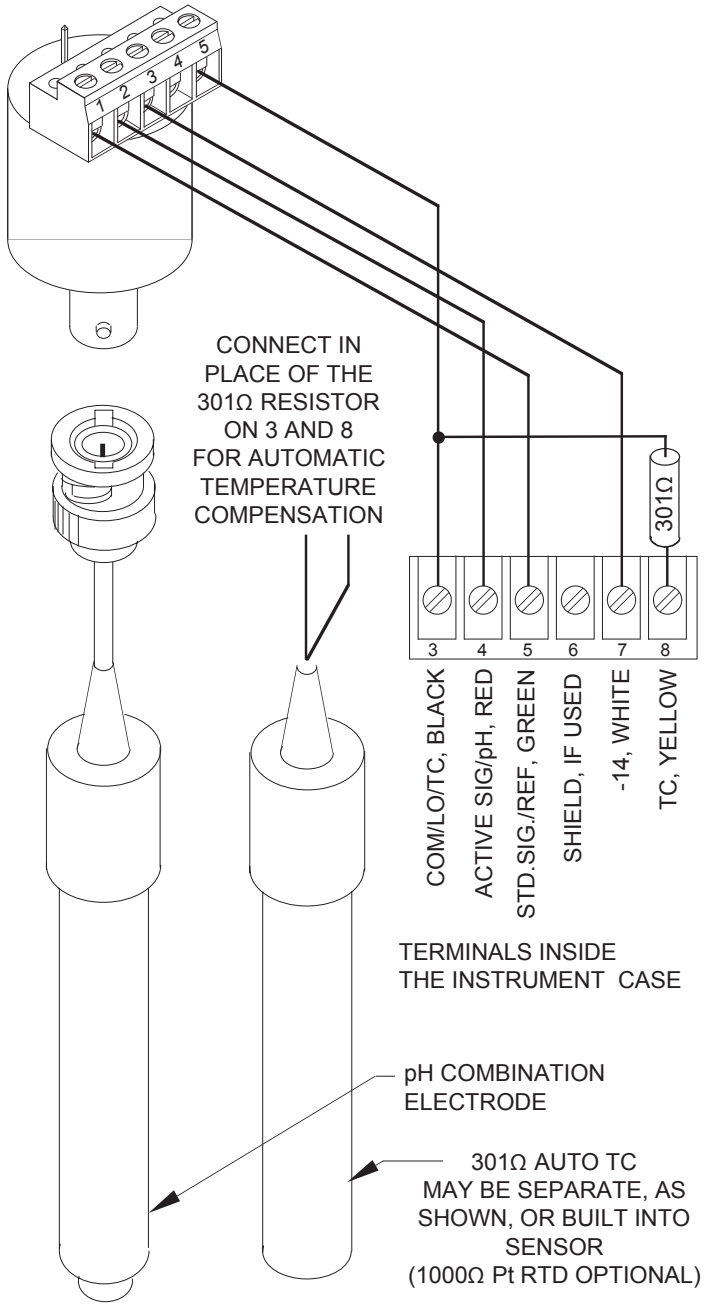

NOTES :

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 8 IN THE INSTRUMENT. THE PREAMPLIFIER HAS NO AUTO TC CAPABILITY.

IT IS ALSO POSSIBLE TO USE A Pt1000 ELEMENT INSTEAD OF THE 301Ω THERMISTOR FOR AUTO TEMPERATURE COMPENSATION. CONSULT THE INSTRUMENT MANUAL FOR DETAILS.

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.

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

DRAWN BOB HUNT	TITLE GL90A PREAMPLIFIER WIRING GREAT LAKES MODEL P63		
CHECKED			
APPROVED	SCALE NONE	DRAWING NO. GL90A-P63	REV. A
7/15/96	SHEET 1 OF 1		

NOTES UNLESS OTHERWISE SPECIFIED: