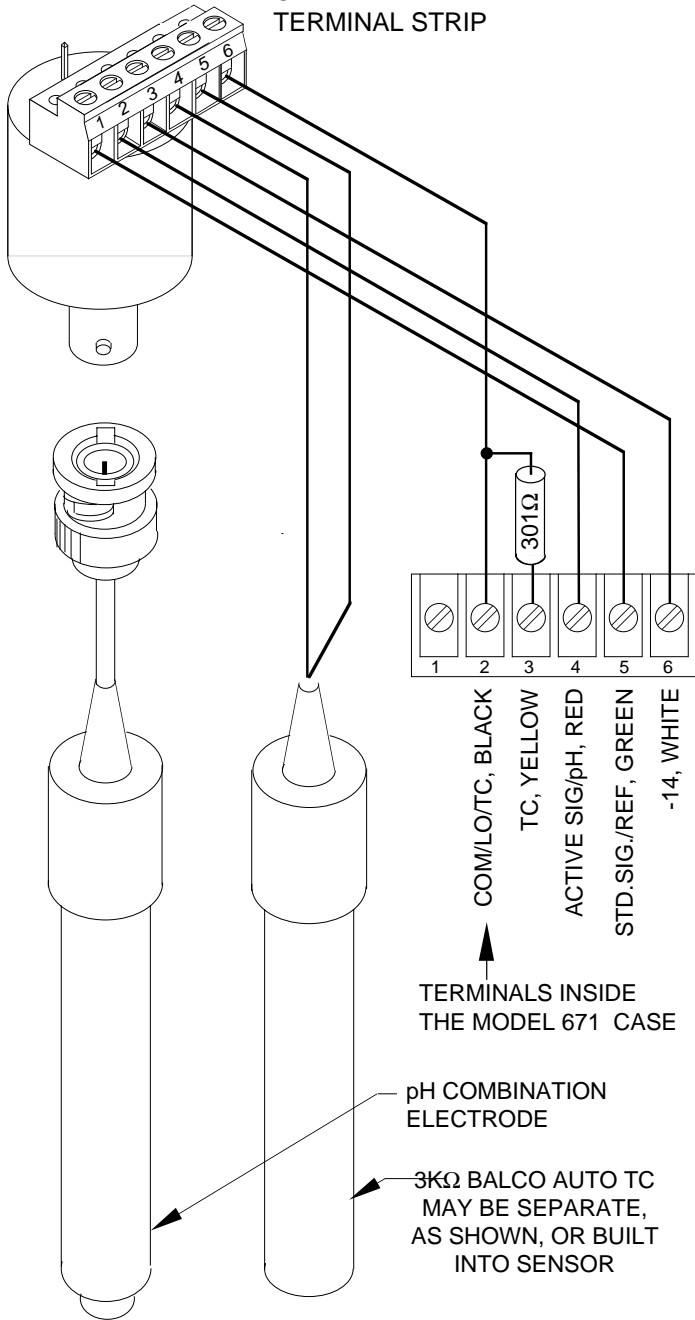


RED WIRE FROM
PREAMP BODY IS
ATTACHED TO 6
ON THE PREAMP
TERMINAL STRIP



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 3KΩ BALCO ELEMENT TO 4 & 5 ON THE PREAMP, AND PUT A 301Ω RESISTOR ACROSS TERMINALS 2 & 3 IN THE 671. OR, CONNECT A 300Ω NTC GREAT LAKES ELEMENT TO 2 & 3 IN THE 671, AND PUT A 3.01KΩ RESISTOR ACROSS TERMINALS 4 & 5 ON THE PREAMP. THE CHOICE DEPENDS ON WHAT TC ELEMENT YOU HAVE AVAILABLE.

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:

		11751 Markon Drive	
		Garden Grove, CA. 92841 USA	
		phone: 714-895-4344 fax: 714-894-4839	
DRAWN	BOB HUNT	TITLE	
CHECKED		GL90B PREAMPLIFIER WIRING GREAT LAKES MODEL 671	
APPROVED		SCALE	NONE
		DRAWING NO.	GL90B-671
		SHEET	1 OF 1
		REV.	