

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, BUT CAN ALSO BE TIED TO THE REFERENCE FUNCTION ON THE TERMINAL STRIP.

TEMPERATURE COMPENSATION

NORMAL 870 TC IS ACCOMPLISHED WITH A POSITIVE COEFFICIENT PLATINUM RTD THAT READS 110Ω AT 25°C, CONNECTED AS SHOWN.

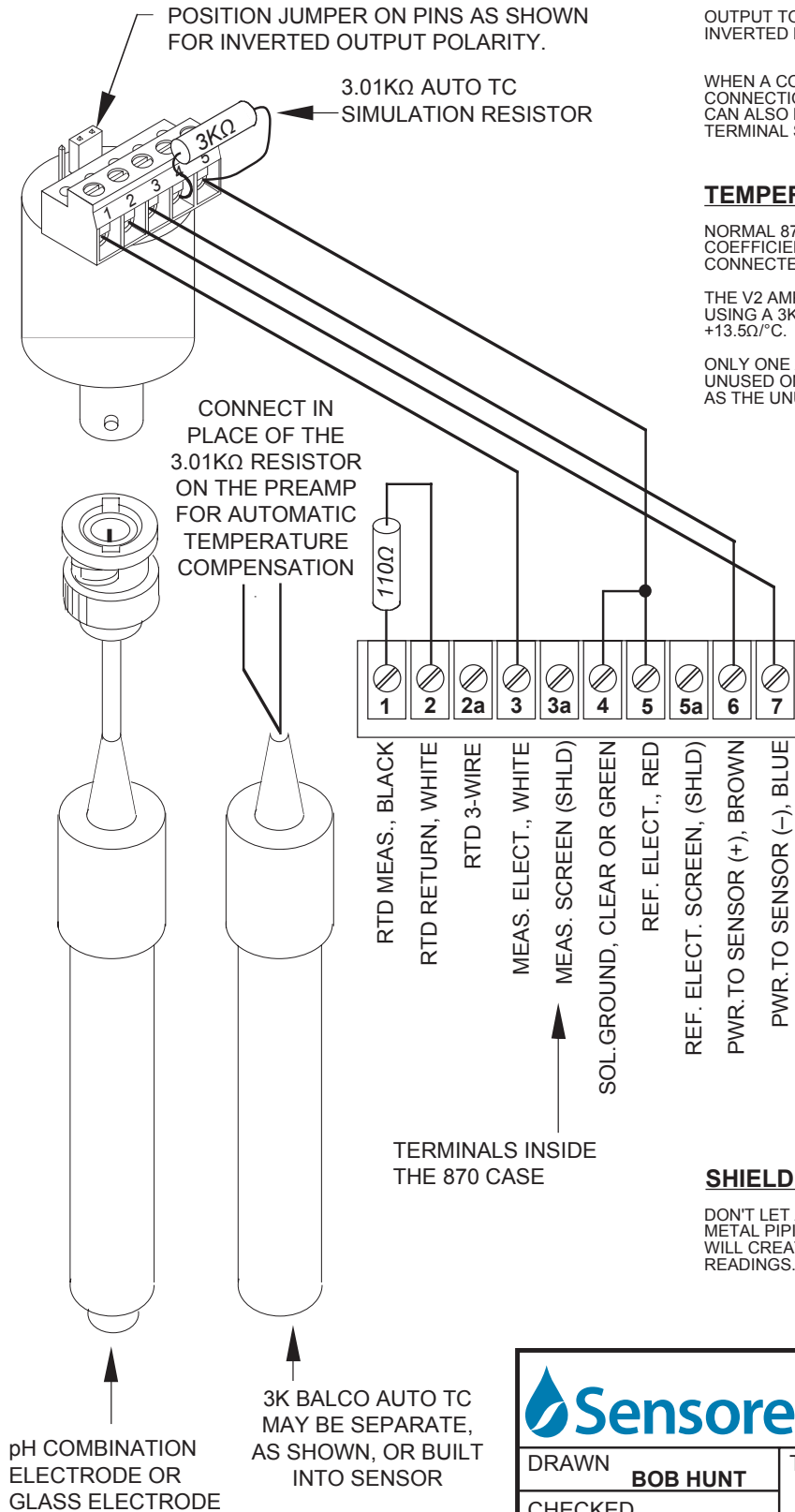
THE V2 AMPLIFIER CAN PERFORM AUTOMATIC COMPENSATION USING A 3KΩ AT 25°C BALCO ELEMENT, WITH A SLOPE OF +13.5Ω/°C.

ONLY ONE AUTO TC CAN BE USED AT ONE TIME. REPLACE THE UNUSED ONE WITH A FIXED RESISTOR HAVING THE SAME VALUE AS THE UNUSED ELEMENT AT 25°C.


SHORTING 4 TO 5 IS NECESSARY TO USE THIS SINGLE-SIDED PREAMP. KEEP IN MIND THAT THIS DEFEATS THE ISOLATION OF THE INPUT SIDE OF THE INSTRUMENT CIRCUITRY, SO YOU MUST BE SURE THAT THERE IS NO EARTH GROUND CONNECTION TO THIS CIRCUIT.

SHIELDING

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 READINGS.



NOTES UNLESS OTHERWISE SPECIFIED:

		11751 Markon Drive	
		Garden Grove, CA. 92841 USA	
DRAWN BOB HUNT		TITLE V2 PREAMPLIFIER WIRING	
CHECKED		FOXBORO 870	
APPROVED	SCALE NONE	DRAWING NO.	REV.
Rev. B 6/16/98	SHEET 1 OF 1	V2-870	B

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