



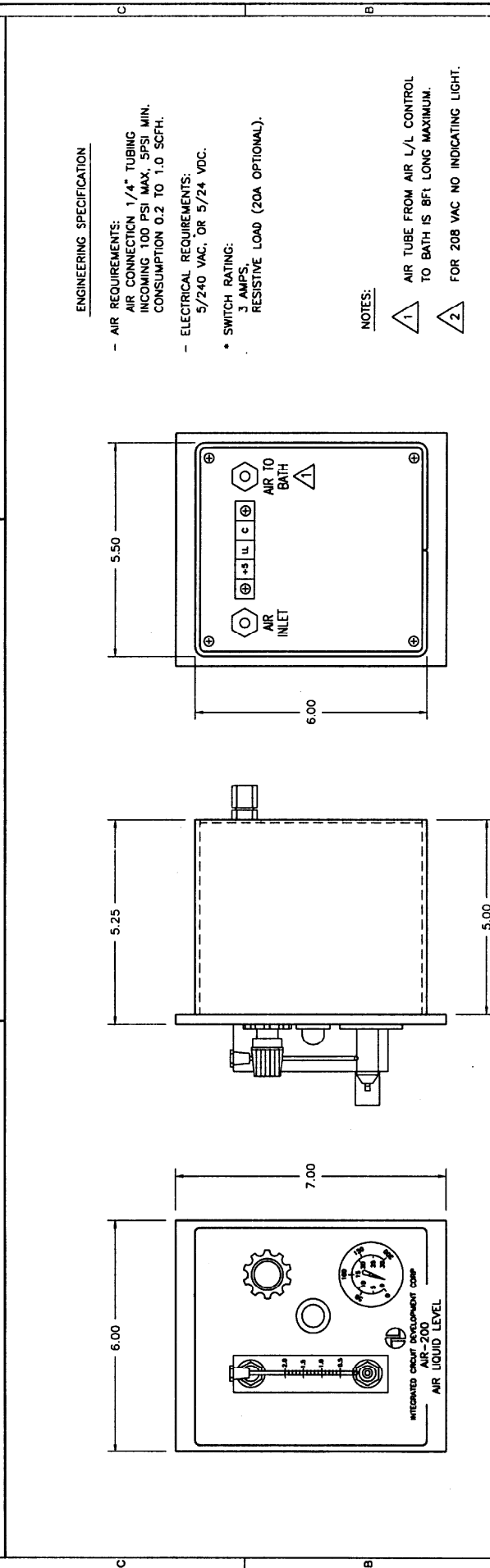
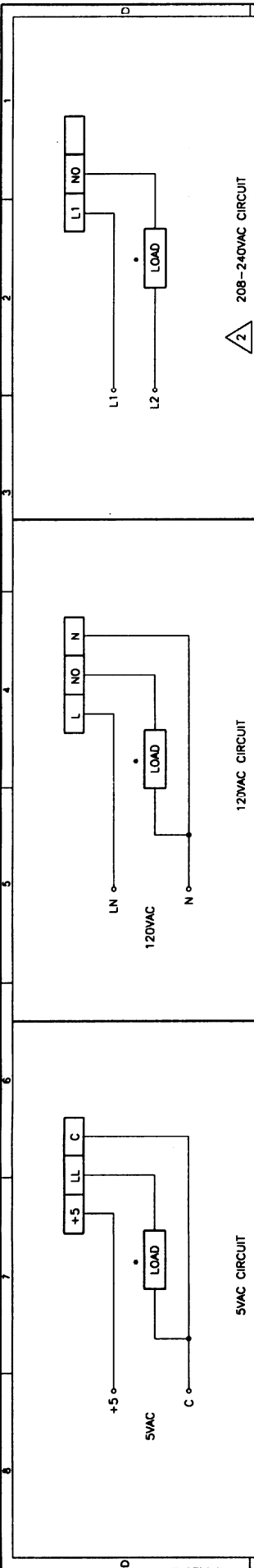
ICD/HEATEFLEX

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AIR-200 INSTALLATION INSTRUCTION

The AIR-200 Liquid level control has 2 SPDT Pressure switches. A 5" and 2" Water column. Both switches are connected in series. The 5" switch is normally closed (NC) and 2" switch is connected in normally opened (NO). An air regulator to regulate the air pressure supply. A flow meter to indicate there is air or Nitrogen flow in the system. A differential pressure regulator to regulate a constant air pressure supply to the Bath. A red indicator for visual indicates when low-level alarm activates. Which gets the 5 VDC power supply from the DT968C controller.

1. AIR PLUMBING:
See Plumbing diagram for air supply and air connection to BATH.
2. ELECTRICAL CONNECTION:
See Electrical wiring Diagram for connecting Electrical between Air ill Controller (AIR-200) and Temperature controller (DT968C).
3. For testing purpose fill the Bath with water ½ to 1" below the lip.
4. Connect power to Temperature controller (DT968C).
5. Press on button in front of controller. The controller should be in Standby Mode.
6. Set the Air Regulator so the Air Gauge read 10-15 PSI and the Air flow meter will register 0.5 SCFH.
7. Take the Air tube out of the bath the controller (DT968C) should activate the Low Alarm Level.
8. Dip the Air tube into Bath slowly until the alarm disappears (approximate 2" to 3" from the top of water level) cut the Teflon tube if necessary.
9. Check the Liquid level circuit in the Temperature controller (DT968C).
If you have done the above testing and the controller still gives you alarm Low level. Put a Jumper between +5 and LL. The alarm should disappear.
10. Check the AIR-200 Switches.
Remove the wires from back of AIR-200 controller. (All three wires connect to +5,LL, C) Dip the air tube into bath 2" to 3" deep. Using VOM meter check for continuity between +5 & LL for switch closed. Continue to dip the air tube into bath 5" or more (terminal +5 & LL open)



ENGINEERING SPECIFICATION

- AIR REQUIREMENTS:
AIR CONNECTION 1/4" TUBING
INCOMING 100 PSI MAX, 5PSI MIN.
CONSUMPTION 0.2 TO 1.0 SCFH.
- ELECTRICAL REQUIREMENTS:
5/240 VAC, OR 5/24 VDC.
- * SWITCH RATING:
3 AMPS,
RESISTIVE LOAD (20A OPTIONAL).

NOTES:

- 1 AIR TUBE FROM AIR L/L CONTROL TO BATH IS 8FT LONG MAXIMUM.
- 2 FOR 208 VAC NO INDICATING LIGHT.

REV	DATE	DESCRIPTION	EE
01	1/30/93	UPDATED DRAWING	DRFR

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DATE 1/30/93	PROJECT DUNG I	TITLE AIR LIQUID LEVEL	SCALE 2 OF 2
APPROVED BY [Signature]	DATE [Blank]	TOLERANCES UNLESS OTHERWISE SPECIFIED XX ±0.01 XXX ±0.005 XXXX ±0.0005 X/XX ±1/32 X ±1/2"	DATE 5/31/95

UNLESS OTHERWISE NOTED
 ALL DIMENSIONS AND TOLERANCES PER
 ANSI - Y14.5 - 1982 AN ICD/HEATEFLEX
 DRAFTING STANDARD ALL DIMENSIONS ARE
 INCHES (MILLIMETERS).

