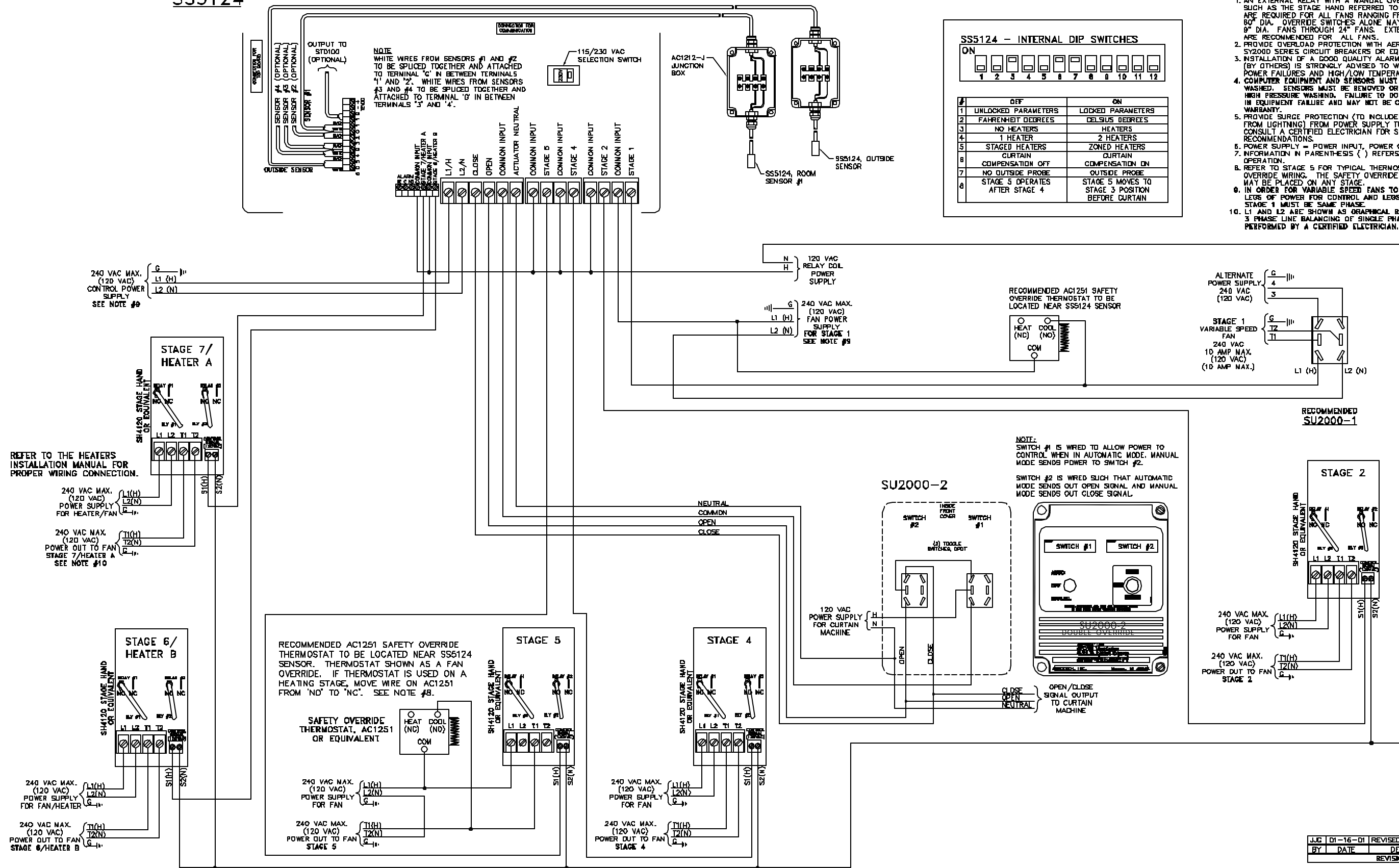


SS5124

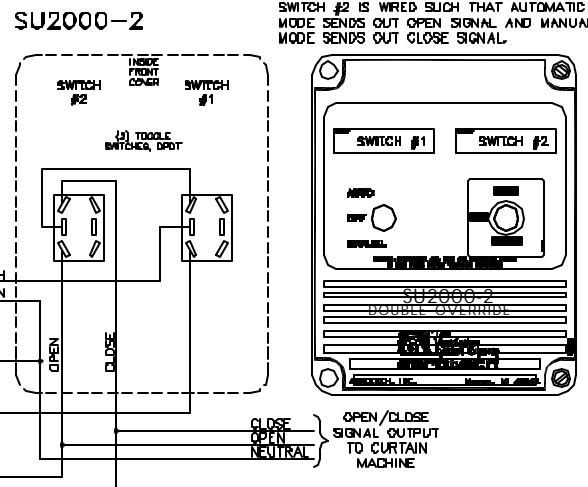
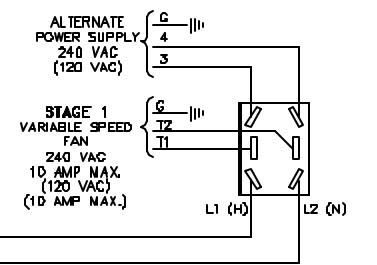
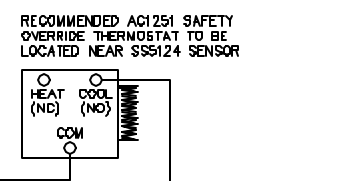


NOTE  
WHITE WIRES FROM SENSORS #1 AND #2 TO BE SPICED TOGETHER AND ATTACHED TO TERMINAL 'C' IN BETWEEN TERMINALS '1' AND '2'. WHITE WIRES FROM SENSORS #3 AND #4 TO BE SPICED TOGETHER AND ATTACHED TO TERMINAL 'D' IN BETWEEN TERMINALS '3' AND '4'.

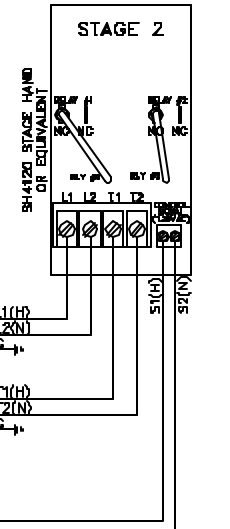
SS5124 - INTERNAL DIP SWITCHES

| # | OFF                            | ON   |
|---|--------------------------------|--|
| 1 | UNLOCKED PARAMETERS            | LOCKED PARAMETERS                                |
| 2 | FAHRENHEIT DEGREES             | CELSIUS DEGREES                                  |
| 3 | NO HEATERS                     | HEATERS  |
| 4 | 1 HEATER                       | 2 HEATERS  |
| 5 | STAGED HEATERS                 | ZONED HEATERS                                    |
| 8 | CURTAIN COMPENSATION OFF       | CURTAIN COMPENSATION ON                          |
| 7 | NO OUTSIDE PROBE               | OUTSIDE PROBE                                    |
| 6 | STAGE 5 OPERATES AFTER STAGE 4 | STAGE 5 MOVES TO STAGE 3 POSITION BEFORE CURTAIN |

- NOTES**
1. AN EXTERNAL RELAY WITH A MANUAL OVERRIDE SWITCH, SUCH AS THE STAGE HAND REFERRED TO IN THIS DIAGRAM, ARE REQUIRED FOR ALL FANS RANGING FROM 36" DIA. TO 80" DIA. OVERRIDE SWITCHES ALONE MAY BE USED ON 9" DIA. FANS THROUGH 24" FANS. EXTERNAL RELAYS ARE RECOMMENDED FOR ALL FANS.
  2. PROVIDE OVERLOAD PROTECTION WITH AEROTECH, INC. SYZOD SERIES CIRCUIT BREAKERS OR EQUIVALENT.
  3. INSTALLATION OF A GOOD QUALITY ALARM SYSTEM (BY OTHERS) IS STRONGLY ADVISED TO WARN OF POWER FAILURES AND HIGH/LOW TEMPERATURES.
  4. COMPUTER EQUIPMENT AND SENSORS MUST NOT BE PRESSURE WASHED. SENSORS MUST BE REMOVED OR PROTECTED FROM HIGH PRESSURE WASHING. FAILURE TO DO SO MAY RESULT IN EQUIPMENT FAILURE AND MAY NOT BE COVERED UNDER WARRANTY.
  5. PROVIDE SURGE PROTECTION (TO INCLUDE PROTECTION FROM LIGHTNING) FROM POWER SUPPLY TO CONTROL. CONSULT A CERTIFIED ELECTRICIAN FOR SPECIFIC RECOMMENDATIONS.
  6. POWER SUPPLY = POWER INPUT, POWER OUT = POWER OUTPUT.
  7. INFORMATION IN PARENTHESIS ( ) REFERS TO 120 VAC OPERATION.
  8. REFER TO STAGE 5 FOR TYPICAL THERMOSTAT SAFETY OVERRIDE WIRING. THE SAFETY OVERRIDE THERMOSTAT MAY BE PLACED ON ANY STAGE.
  9. IN ORDER FOR VARIABLE SPEED FANS TO RUN CORRECTLY, LESS OF POWER FOR CONTROL AND LESS OF POWER FOR STAGE 1 MUST BE SAME PHASE.
  10. L1 AND L2 ARE SHOWN AS GRAPHICAL REPRESENTATION ONLY. 3 PHASE LINE BALANCING OF SINGLE PHASE LOADS MUST BE PERFORMED BY A CERTIFIED ELECTRICIAN.



RECOMMENDED SU2000-1



REFER TO THE HEATERS INSTALLATION MANUAL FOR PROPER WIRING CONNECTION.

240 VAC MAX. (120 VAC) POWER SUPPLY FOR HEATER/FAN

240 VAC MAX. (120 VAC) POWER OUT TO FAN STAGE 7/HEATER A

240 VAC MAX. (120 VAC) POWER SUPPLY FOR FAN/HEATER

240 VAC MAX. (120 VAC) POWER OUT TO FAN STAGE 6/HEATER B

RECOMMENDED AC1251 SAFETY OVERRIDE THERMOSTAT TO BE LOCATED NEAR SS5124 SENSOR. THERMOSTAT SHOWN AS A FAN OVERRIDE. IF THERMOSTAT IS USED ON A HEATING STAGE, MOVE WIRE ON AC1251 FROM 'NO' TO 'NC'. SEE NOTE #8.

SAFETY OVERRIDE THERMOSTAT, AC1251 OR EQUIVALENT

240 VAC MAX. (120 VAC) POWER SUPPLY FOR FAN

240 VAC MAX. (120 VAC) POWER OUT TO FAN STAGE 5

240 VAC MAX. (120 VAC) POWER SUPPLY FOR FAN

240 VAC MAX. (120 VAC) POWER OUT TO FAN STAGE 4

| JUG | 01-16-D1 | REVISED AND UPDATED 11/80 |
|-----|----------|---------------------------|
| BY  | DATE     | DESCRIPTION               |
|     |          | REVISIONS                 |

**aerotech**  
The Ventilation System Experts

SS5124 AEROBOSS 1.6  
WIRING DIAGRAM - SINGLE PHASE POWER

|   |          |            |     |         |             |
|---|----------|------------|-----|---------|-------------|
| DATE  | 08-03-98 | CHECKED BY | RLD | REP.    | -           |
| SCALE   | NTS      | DRAWN BY   | DBB | JOB NO. | 1455        |
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