



**ST5026 - INTERNAL DIP SWITCHES**

OFF	ON
1 UNLOCKED PARAMETERS	LOCKED PARAMETERS
2 FAHRENHEIT DEGREES	CELSIUS DEGREES
3 NO HEATING STAGES	HEATING
4 1 HEATER	2 HEATERS
5 STAGE 1 WITHOUT RAMPING	STAGE 1 WITH RAMPING
6 OUTSIDE PROBE DISABLED	OUTSIDE PROBE ENABLED
7 RESERVED	RESERVED
8 RESERVED	RESERVED
9 RESERVED	RESERVED
10 RESERVED	RESERVED
11 RESERVED	RESERVED
12 NORMAL SETTINGS	ADVANCED SETTINGS

- 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 60" DIA. OVERRIDE SWITCHES ALONE MAY BE USED ON 6" DIA. FANS THROUGH 24" FANS. EXTERNAL RELAYS ARE RECOMMENDED FOR ALL FANS.
  2. POWER SUPPLY VOLTAGE MUST MATCH VOLTAGE OF RELAY COIL IN 3 PHASE MOTOR STARTER.
  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 6 FOR TYPICAL THERMOSTAT SAFETY OVERRIDE WIRING. THE SAFETY OVERRIDE THERMOSTAT MAY BE PLACED ON ANY STAGE.
  9. L1 AND L2 ARE SHOWN AS GRAPHICAL REPRESENTATION ONLY. 3 PHASE LINE BALANCING OF SINGLE PHASE LOADS MUST BE PERFORMED BY A CERTIFIED ELECTRICIAN.

REFER TO THE HEATERS INSTALLATION MANUAL FOR PROPER WIRING CONNECTION.

RECOMMENDED AC1251 SAFETY OVERRIDE THERMOSTAT TO BE LOCATED NEAR ST5026 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.

DATE	DESCRIPTION	BY
JUG 01-16-01	REVISED AND UPDATED 118AC	
BY	DATE	DESCRIPTION
		REVISIONS

**aerotech**  
The Ventilation System Experts

**ST5026 AEROSTEP 8**  
**WIRING DIAGRAM - THREE PHASE POWER**

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SCALE	NTS	DRAWN BY	DBB
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