

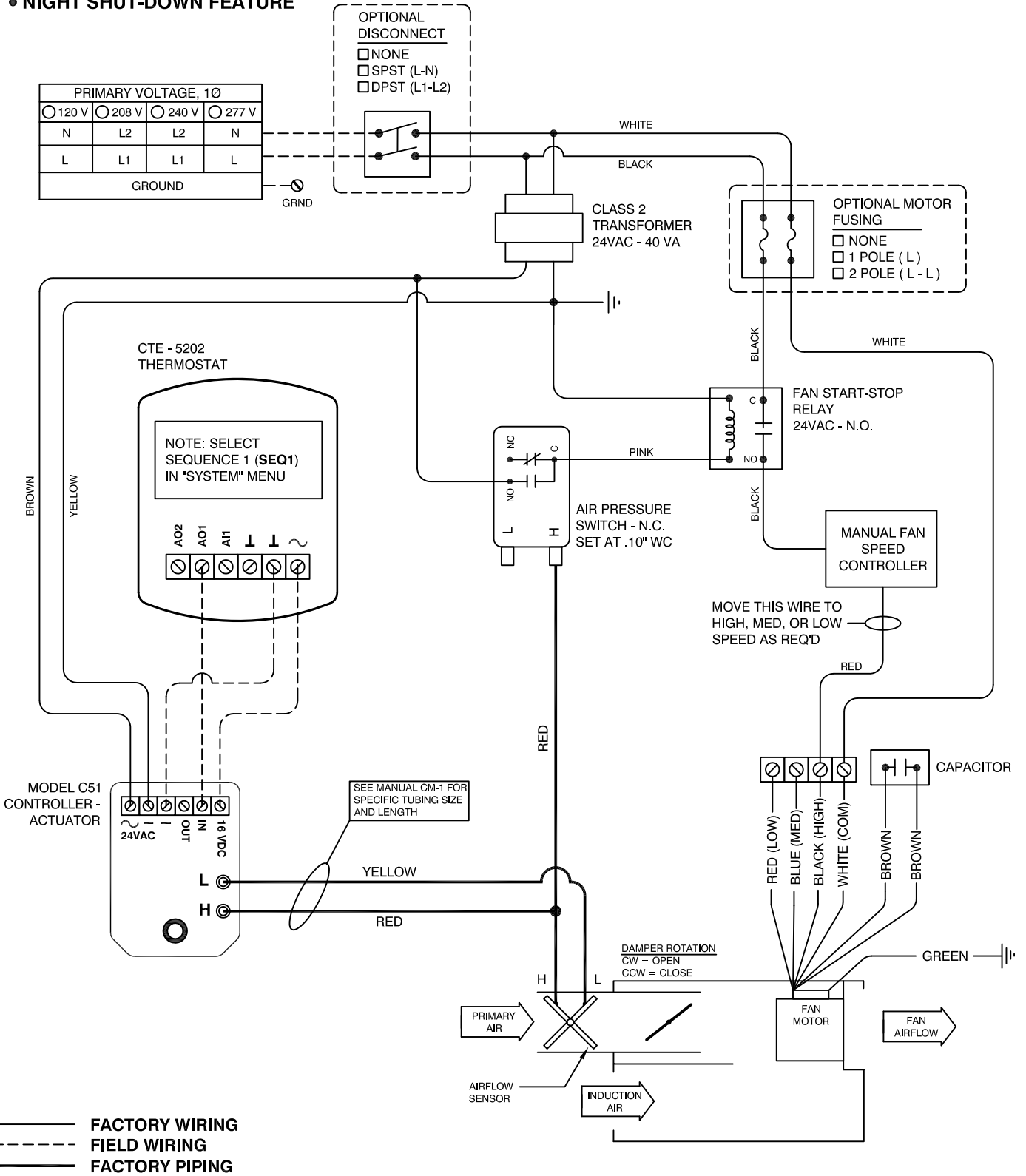
ANEMOSTAT[®]

AIR TERMINAL CONTROLS

Control Package

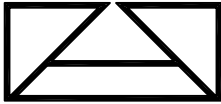
FS - A - 5240

- SERIES FAN AIR TERMINAL
- COOLING ONLY
- ANALOG ELECTRONIC CONTROLS
- NIGHT SHUT-DOWN FEATURE

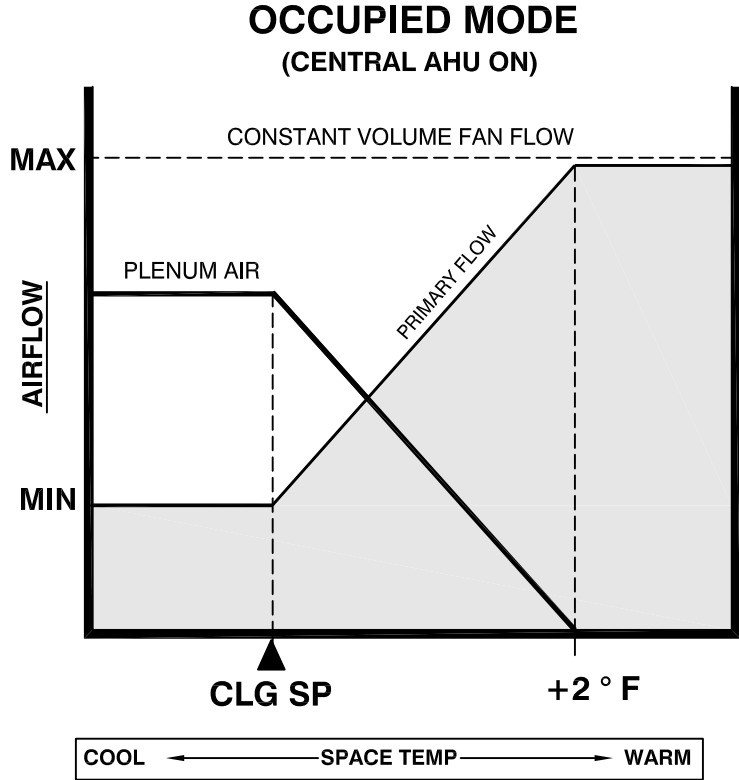


JOB NAME:
SUBMITTED BY:
DATE:

DWG #: FS-A-5240.1
REV: A
DATE: 4-4-14



- SERIES FAN AIR TERMINAL
- COOLING ONLY
- ANALOG ELECTRONIC CONTROLS
- NIGHT SHUT-DOWN FEATURE



SEQUENCE OF OPERATION

THE AIR TERMINAL FAN MUST BE RUNNING TO DELIVER AIR TO THE SPACE. THE CONSTANT VOLUME FAN CFM (MANUALLY ADJUSTABLE) MUST BE GREATER THAN THE MAXIMUM PRIMARY CFM TO PREVENT SPILLING OF AIR INTO THE CEILING PLENUM. $FAN\ CFM = PRIMARY\ CFM + INDUCED\ CFM$

THE MINIMUM AND MAXIMUM PRIMARY AIRFLOW SETPOINTS ARE ADJUSTED AT THE WALL THERMOSTAT.

OCCUPIED MODE (CENTRAL AHU ON)

1. THE AIR PRESSURE SWITCH SENSES SUPPLY DUCT PRESSURE, AND TURNS THE TERMINAL FAN ON. THE THERMOSTAT SIGNALS THE CONTROLLER IN RESPONSE TO THE SPACE TEMPERATURE.
2. AS THE SPACE TEMP INCREASES FROM THE COOLING SETPOINT TO +2° F ABOVE THE COOLING SETPOINT, THE DAMPER OPENS FROM MIN TO MAX AIRFLOW. ABOVE (CLG SP + 2° F), THE DAMPER MAINTAINS MAX FLOW. BELOW COOLING SETPOINT TEMP, MIN AIRFLOW IS MAINTAINED.

NIGHT SHUT-DOWN MODE (CENTRAL AHU OFF)

1. THE AIR PRESSURE SWITCH SENSES SUPPLY DUCT PRESSURE AT 0" WG, AND TURNS THE TERMINAL FAN OFF.
2. IF THERMOSTAT CALLS FOR FLOW DURING THIS MODE, THE DAMPER WILL OPEN 100%.

UPON LOSS OF POWER, PRIMARY DAMPER FAILS IN PLACE.

JOB NAME:
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DWG #: FS-A-5040.2
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