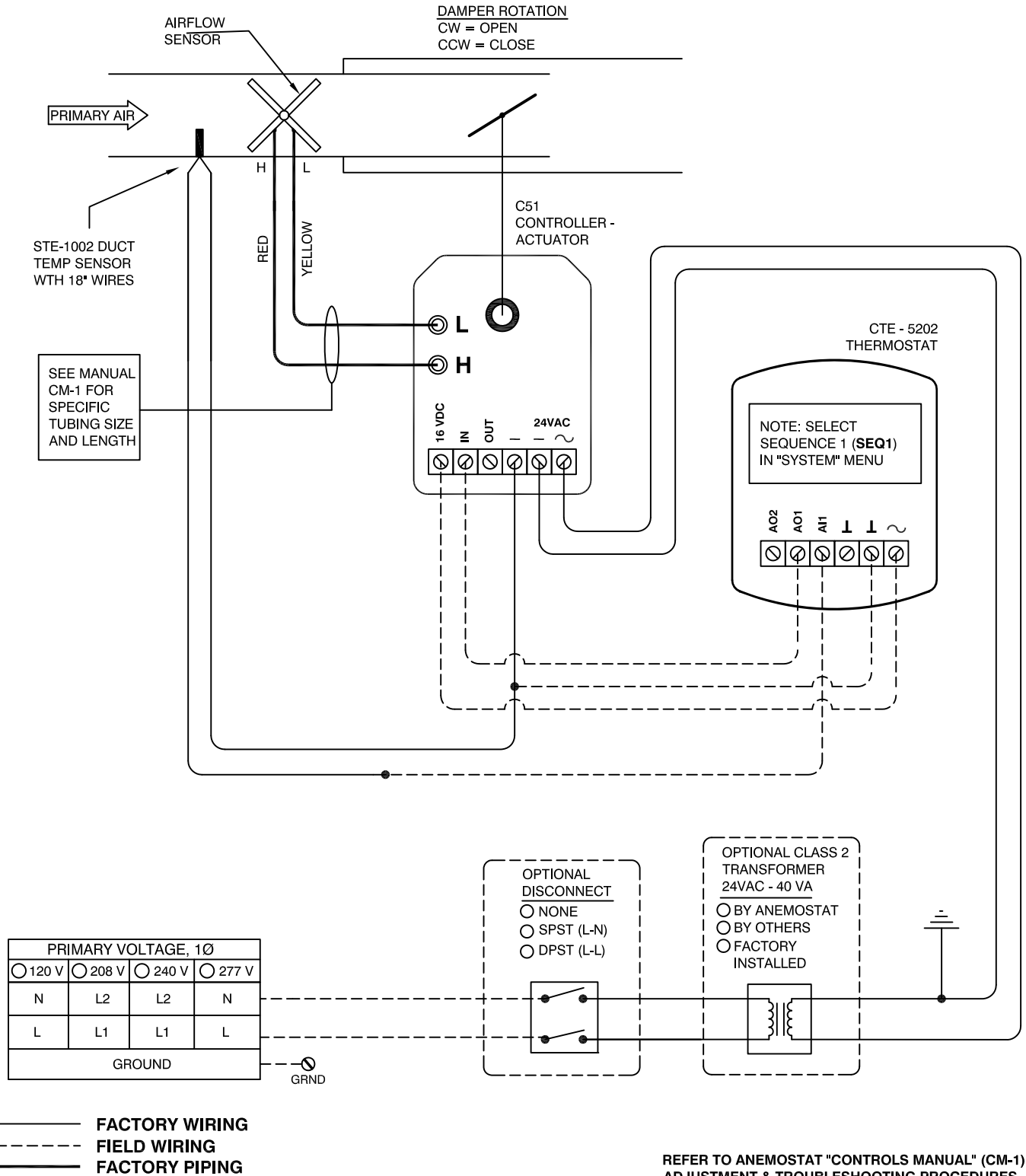


ANEMOSTAT[®]

AIR TERMINAL CONTROLS

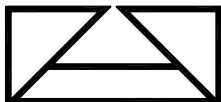
Control Package
SD - A - 5240

- SINGLE DUCT
- ANALOG ELECTRONIC CONTROLS
- VAV HEATING & COOLING
- AUTOMATIC CHANGEOVER
- PRESSURE INDEPENDENT
- AIR FLOW SETPOINTS ADJUSTED AT THERMOSTAT



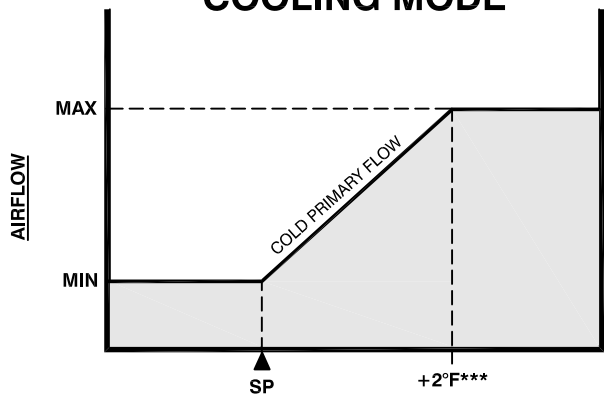
JOB NAME:
SUBMITTED BY:
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DWG #: SD-A-5240.1
REV: D
DATE: 3-2-2017



- SINGLE DUCT
- ANALOG ELECTRONIC CONTROLS
- VAV HEATING & COOLING
- AUTOMATIC CHANGEOVER
- PRESSURE INDEPENDENT
- AIR FLOW SETPOINTS ADJUSTED AT THERMOSTAT

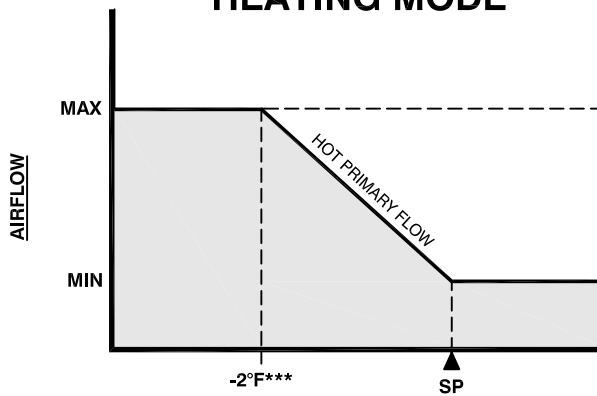
COOLING MODE



COOL ← SPACE TEMP → WARM

*** PROPORTIONAL BAND (PROP BD) DEFAULT AT 2°F, ADJUSTABLE FROM 1 to 10°F IN "ADVANCE" MENU ON THERMOSTAT

HEATING MODE



COOL ← SPACE TEMP → WARM

*** PROPORTIONAL BAND (PROP BD) DEFAULT AT 2°F, ADJUSTABLE FROM 1 to 10°F IN "ADVANCE" MENU ON THERMOSTAT

SEQUENCE OF OPERATION

THE THERMOSTAT SIGNALS THE CONTROLLER IN RESPONSE TO THE SPACE TEMPERATURE. THE CONTROLS SENSE SUPPLY AIR TEMP AND AUTOMATICALLY INDEX TO D.A. COOLING OR R.A. HEATING.

COOLING MODE

1. WHEN SUPPLY AIR TEMP IS LESS THAN 77°F, THE THERMOSTAT D.A. COOLING OUTPUT CONTROLS FLOW (COOLING MODE). WITH SPACE TEMPERATURE BELOW THE THERMOSTAT SETPOINT, THE DAMPER MAINTAINS MINIMUM COLD AIRFLOW.
2. AS THE SPACE TEMPERATURE INCREASES FROM SETPOINT TO 2°F ABOVE SETPOINT, THE DAMPER OPENS FROM MINIMUM AIRFLOW TO MAXIMUM AIRFLOW. AT OVER 2°F ABOVE SETPOINT, THE DAMPER MAINTAINS MAXIMUM COLD FLOW.

HEATING MODE

1. WHEN SUPPLY AIR TEMP IS GREATER THAN 77°F, THE THERMOSTAT R.A. HEATING OUTPUT CONTROLS FLOW (HEATING MODE).

WITH SPACE TEMPERATURE ABOVE THE THERMOSTAT SETPOINT, THE DAMPER MAINTAINS MINIMUM HOT AIRFLOW.

2. AS THE SPACE TEMPERATURE DECREASES FROM HEATING SETPOINT TO 2°F BELOW THE SETPOINT, THE DAMPER OPENS FROM MINIMUM AIRFLOW TO MAXIMUM AIRFLOW. AT OVER 2°F BELOW THE SETPOINT, THE DAMPER MAINTAINS MAXIMUM HOT FLOW.

SETPOINT SETTINGS

1. ADJUST THE MINIMUM (**AO1 MIN**) OR MAXIMUM (**AO1 MAX**) AIRFLOW SETPOINT IN "LIMITS" MENU ON THERMOSTAT.
2. ADJUST CHANGEOVER (**CNG OVR**) TEMPERATURE (DEFAULT AT 77° F, CONFIGURABLE FROM 55 TO 85° F) IN "ADVANCE" MENU ON THERMOSTAT.
3. UPON LOSS OF POWER, DAMPER FAILS IN PLACE.
4. A MINIMUM OF GREATER THAN ZERO IS REQUIRED FOR CHANGOVER.

JOB NAME:
SUBMITTED BY:
DATE:

DWG #: SD-A-5240.2
REV: A
DATE: 5-31-13