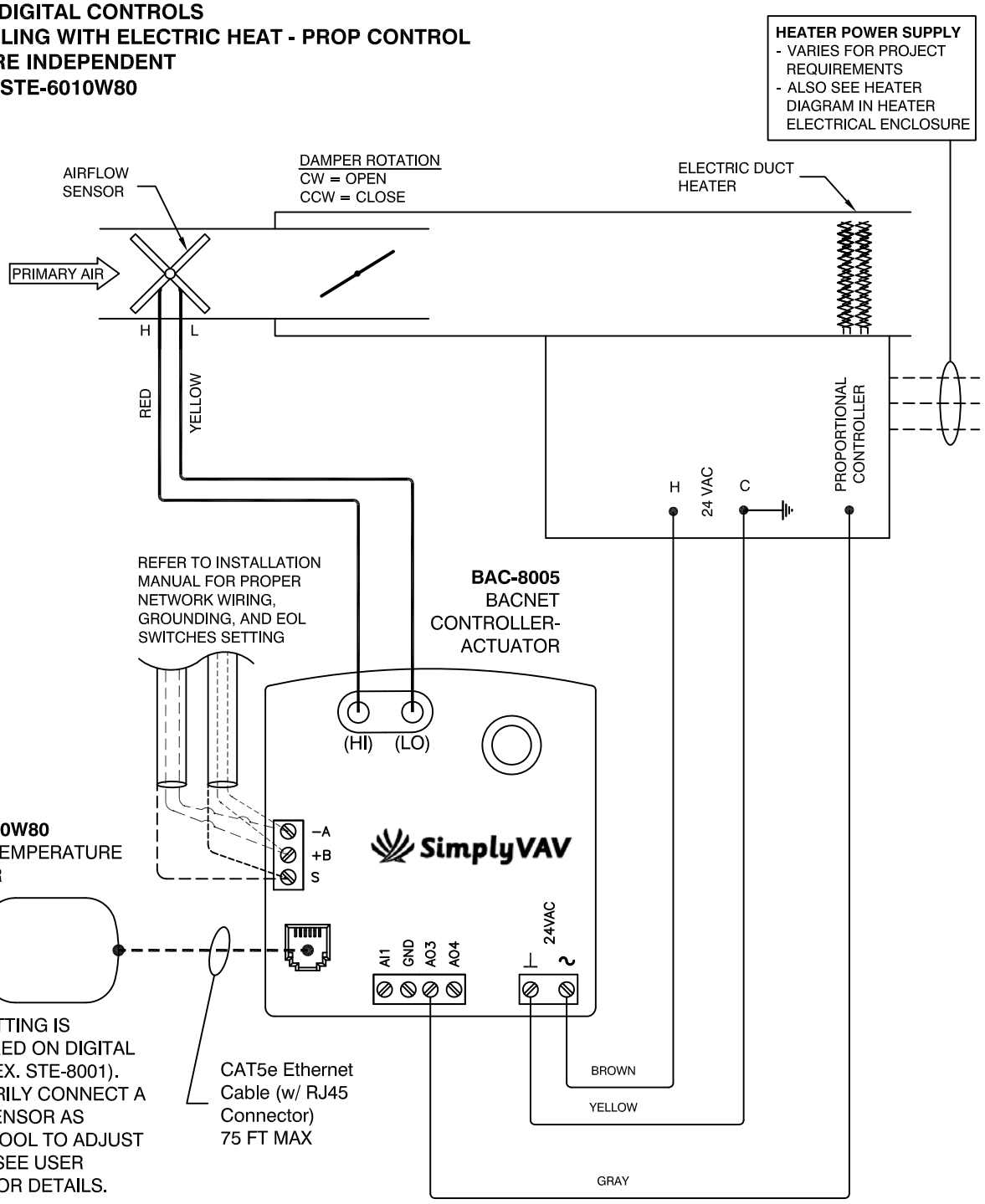
ANEMOSTAT®
SINGLE DUCT AIR TERMINAL

Control Package
SD - D - 8005D

- **BACNET DIGITAL CONTROLS**
- **VAV COOLING WITH ELECTRIC HEAT - PROP CONTROL**
- **PRESSURE INDEPENDENT**
- **SENSOR STE-6010W80**



FACTORY WIRING
FIELD WIRING
FACTORY PIPING

REFER TO ANEMOSTAT "CONTROLS MANUAL" (CM-1) FOR ADJUSTMENT & TROUBLESHOOTING PROCEDURES.

JOB NAME:
SUBMITTED BY:
DATE:

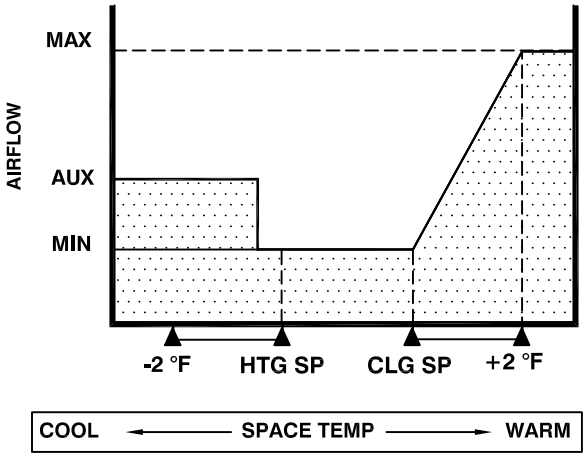
DWG #: SD-D-8005D.1
REV: B
DATE: 03-01-17

ANEMOSTAT®
AIR TERMINAL CONTROLS

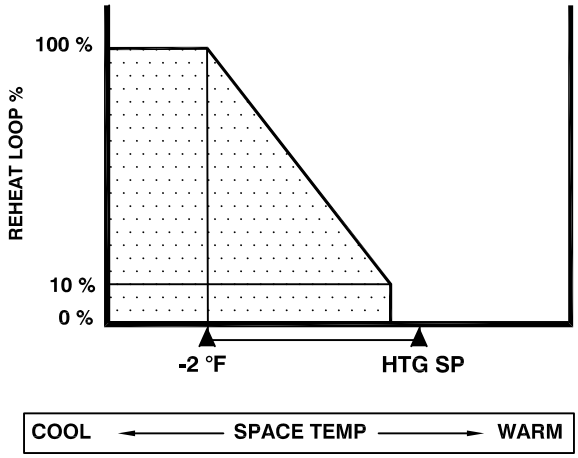
Control Package
SD - D - 8005D

- BACNET DIGITAL CONTROLS
- VAV COOLING WITH ELECTRIC HEAT (PROPORTIONAL CONTROL)
- PRESSURE INDEPENDENT
- SENSOR STE-6010W80

VAV COOLING



PROPORTIONAL HEAT



SEQUENCE OF OPERATION

TO ACCESS CONTROLLER SET POINTS AT THE LOCAL LEVEL, TEMPORARILY CONNECT DIGITAL SENSOR STE-8001W890 AS A SERVICE TOOL. SEE SENSOR USER MANUAL FOR DETAILS.

1. THE WALL SENSOR SIGNALS THE CONTROLLER IN RESPONSE TO THE SPACE TEMPERATURE.
2. AS THE SPACE TEMPERATURE INCREASES FROM THE COOLING SET POINT TO +2° F ABOVE THE COOLING SET POINT, THE DAMPER OPENS FROM MINIMUM AIR FLOW TO MAXIMUM AIR FLOW. ABOVE (CLG SP + 2° F), THE DAMPER MAINTAINS MAXIMUM FLOW.
3. MINIMUM AIR FLOW IS MAINTAINED WHEN THE SPACE TEMPERATURE IS BETWEEN THE HEATING AND COOLING SET POINTS.
4. AS THE SPACE TEMPERATURE DECREASES BELOW HEATING SET POINT TO -2° F BELOW THE HEATING SET POINT, THE TIME PROPORTIONED ELECTRIC HEATER INCREASES FROM 0% TO 100% AS THE HEATING LOOP INCREASES TO 100%. AS THE SPACE TEMPERATURE REVERSES BACK TOWARDS THE HEATING SET POINT, TIME PROPORTIONING HEAT DECREASES TO 0%.
5. AN AUXILIARY AIR FLOW FEATURE CAN BE PROGRAMMED TO INCREASE THE AIR FLOW ACROSS THE COIL AS THE SPACE TEMPERATURE DECREASES BELOW THE HEATING SET POINT TEMPERATURE.
6. UPON LOSS OF POWER, DAMPER FAILS IN PLACE.

JOB NAME:
SUBMITTED BY:
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DWG #: SD-D-8005D.2
REV: -
DATE: 3-28-17