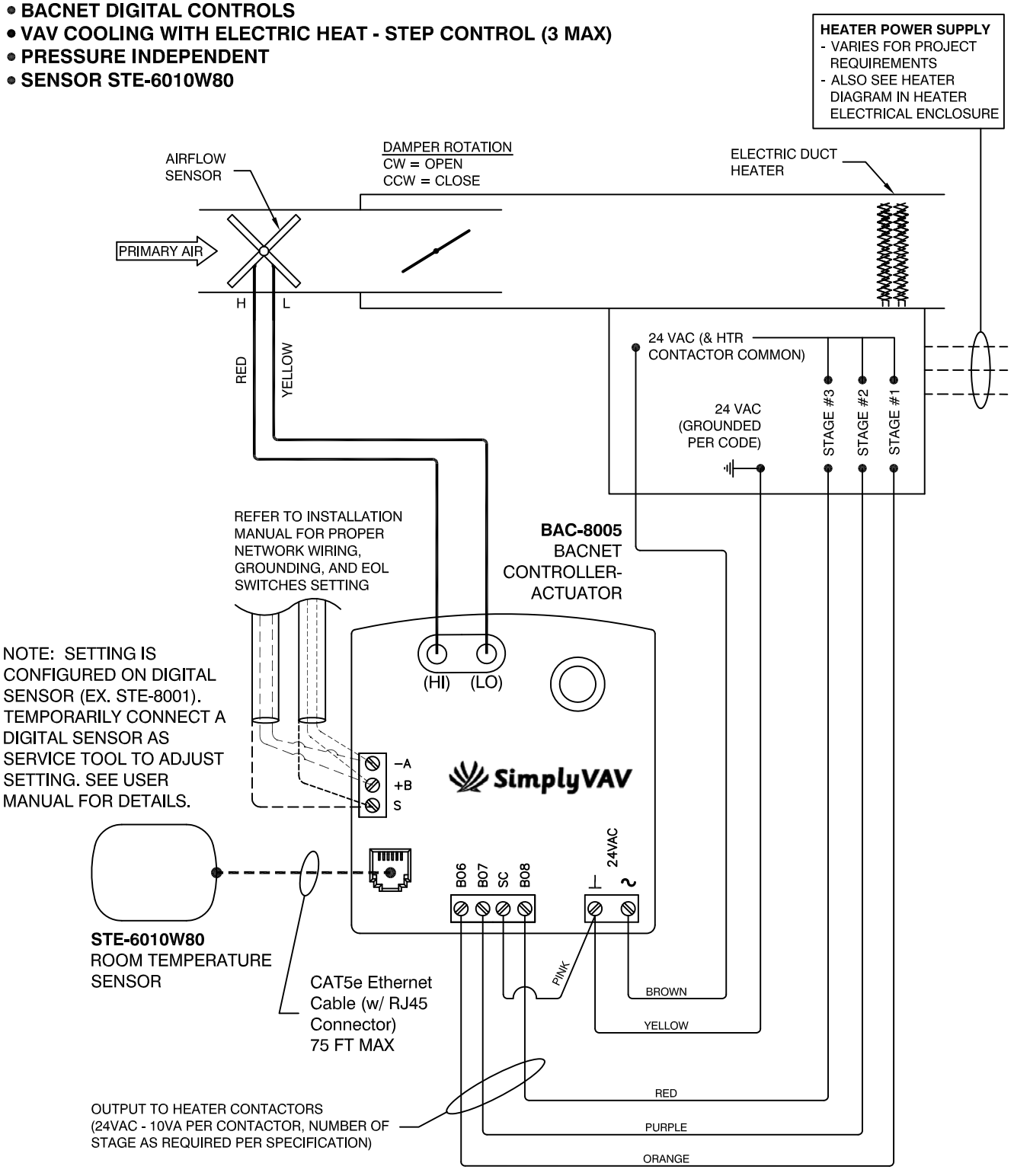
ANEMOSTAT®
SINGLE DUCT AIR TERMINAL

Control Package
SD - D - 8004D

- **BACNET DIGITAL CONTROLS**
- **VAV COOLING WITH ELECTRIC HEAT - STEP CONTROL (3 MAX)**
- **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:

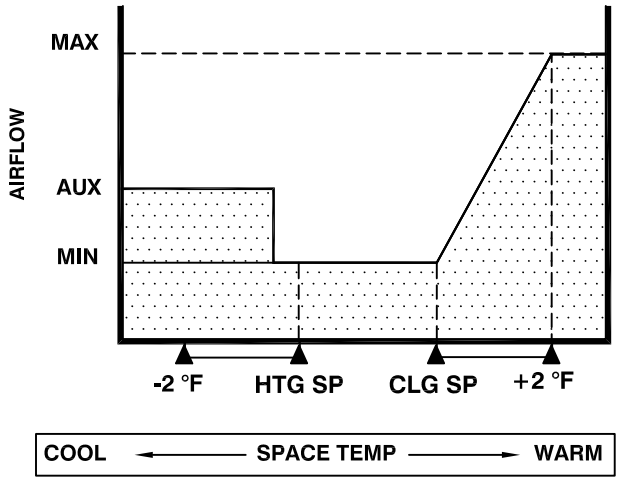
DWG #: SD-D-8004D.1
REV: C
DATE: 03-27-17

ANEMOSTAT®
SINGLE DUCT AIR TERMINAL

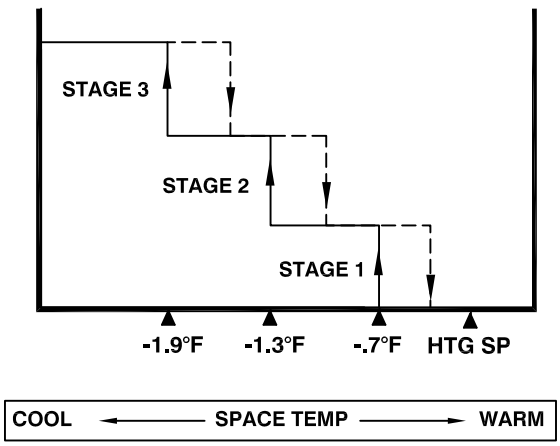
Control Package
S - D - 8004D

- BACNET DIGITAL CONTROLS
- VAV COOLING WITH ELECTRIC HEAT - STEP CONTROL (3 MAX)
- PRESSURE INDEPENDENT
- SENSOR STE-6010W80

VAV COOLING



STEP HEAT SEQUENCE



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, UP TO 3 STAGES OF ELECTRIC HEAT (1,2,3) ARE ENERGIZED RESPECTIVELY. AS THE SPACE TEMPERATURE RISES BACK TOWARD THE HEATING SET POINT, HEATING STAGES (3,2,1) ARE TURNED OFF RESPECTIVELY.

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:
DATE:

DWG #: S-D-8004D.2
REV: C
DATE: 03-27-17