**Control Package ANEMOSTAT SD - D - 7001A** AIR TERMINAL CONTROLS SINGLE DUCT BACNET DIGITAL CONTROLS VAV COOLING WITH PROPORTIONAL HOT WATER REHEAT PRESSURE INDEPENDENT HOT WATER NETSENSOR ABC-1161/1161W COIL **DAMPER ROTATION AIRFLOW** CW = OPENSENSOR CCW = CLOSE PRIMARY AIR SEE MANUAL CM-1 FOR SPECIFIC TUBING SIZE AND LENGTH N.C. HOT WATER 띪 VALVE / ACTUATOR 0-10 VDC INPUT / 24VAC 24 VAC - 10VA MAX (PROVIDED BY OTHERS - WIRING MAY VARY **RJ-12 BOTH ENDS** FROM THAT SHOWN) 6 CONDUCTOR PLENUM RATED CABLE 75 FEET MAX MODEL ABC-7001 BACNET CABLE ASSEMBLY (OPT) CONTROLLER-ACTUATOR ☐ ABC-5690 (25 ¹) □ ABC-5691 (50 ') □ ABC-5692 (75 ') 11 12 13 A B ON EIA-485 12:12 **∭**≸ REFER TO INSTALLATION MANUAL FOR PROPER NETWORK WIRING AND GROUNDING OVERNI O.A.T **NETSENSOR** ABC-1161/1161W (TEMP) **OPTIONAL** OPTIONAL CLASS 2 DISCONNECT TRANSFORMER 24VAC - 40VA ONONE OSPST (L-N) **OBY ANEMOSTAT** ODPST (L1-L2) **OBY OTHERS** PRIMARY VOLTAGE, 1Ø O120 V O 208 V O 240 V O 277 V Ν L2 L2 Ν GROUND **FACTORY WIRING FIELD WIRING** REFER TO ANEMOSTAT "CONTROLS MANUAL" (CM-1) FOR **FACTORY PIPING** ADJUSTMENT & TROUBLESHOOTING PROCEDURES. JOB NAME: DWG #: SD-D-7001A.1 SUBMITTED BY: C REV:

WWW.ANEMOSTAT.COM

DATE:

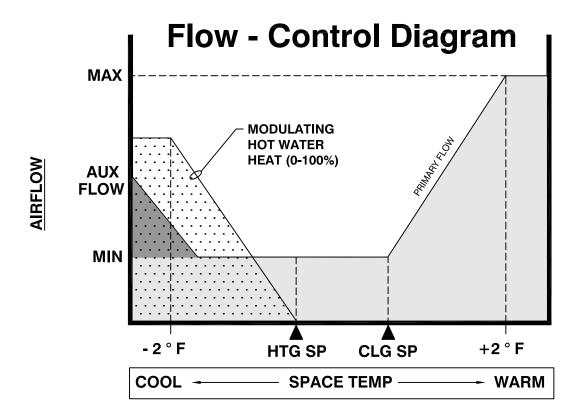
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SD - D - 7001A

- SINGLE DUCT
- BACNET DIGITAL CONTROLS
- VAV COOLING WITH PROPORTIONAL HOT WATER REHEAT
- PRESSURE INDEPENDENT
- NETSENSOR ABC-1161/1161W



## **SEQUENCE OF OPERATION**

- 1. THE THERMOSTAT SIGNALS THE CONTROLLER IN RESPONSE TO THE SPACE TEMPERATURE.
- 2. AS THE SPACE TEMPERATURE INCREASES FROM THE COOLING SETPOINT TO  $\pm 2^{\circ}$  F ABOVE THE COOLING SETPOINT, THE DAMPER OPENS FROM MINIMUM AIRFLOW TO MAXIMUM AIRFLOW. ABOVE (CLG SP  $\pm 2^{\circ}$  F), THE DAMPER MAINTAINS MAXIMUM FLOW.
- 3. MINIMUM AIRFLOW IS MAINTAINED WHEN THE SPACE TEMPERATURE IS BETWEEN THE HEATING AND COOLING SETPOINTS.
- 4. MODULATING HOT WATER HEAT IS ADDED TO THE SPACE (0-100%) AS THE SPACE TEMPERATURE DROPS FROM THE HEATING SETPOINT DOWN TO (HTG SP 2° F).
- 5. AN AUXILIARY AIRFLOW FEATURE CAN BE PROGRAMMED TO INCREASE AIRFLOW ACROSS THE COIL SHOULD THE SPACE TEMPERATURE CONTINUE TO DECREASE.
- 6. UPON LOSS OF POWER, DAMPER FAILS IN PLACE.

JOB NAME: SUBMITTED BY: DATE: DWG #: SD-D-7001A.1

REV: C

DATE: 2-22-13