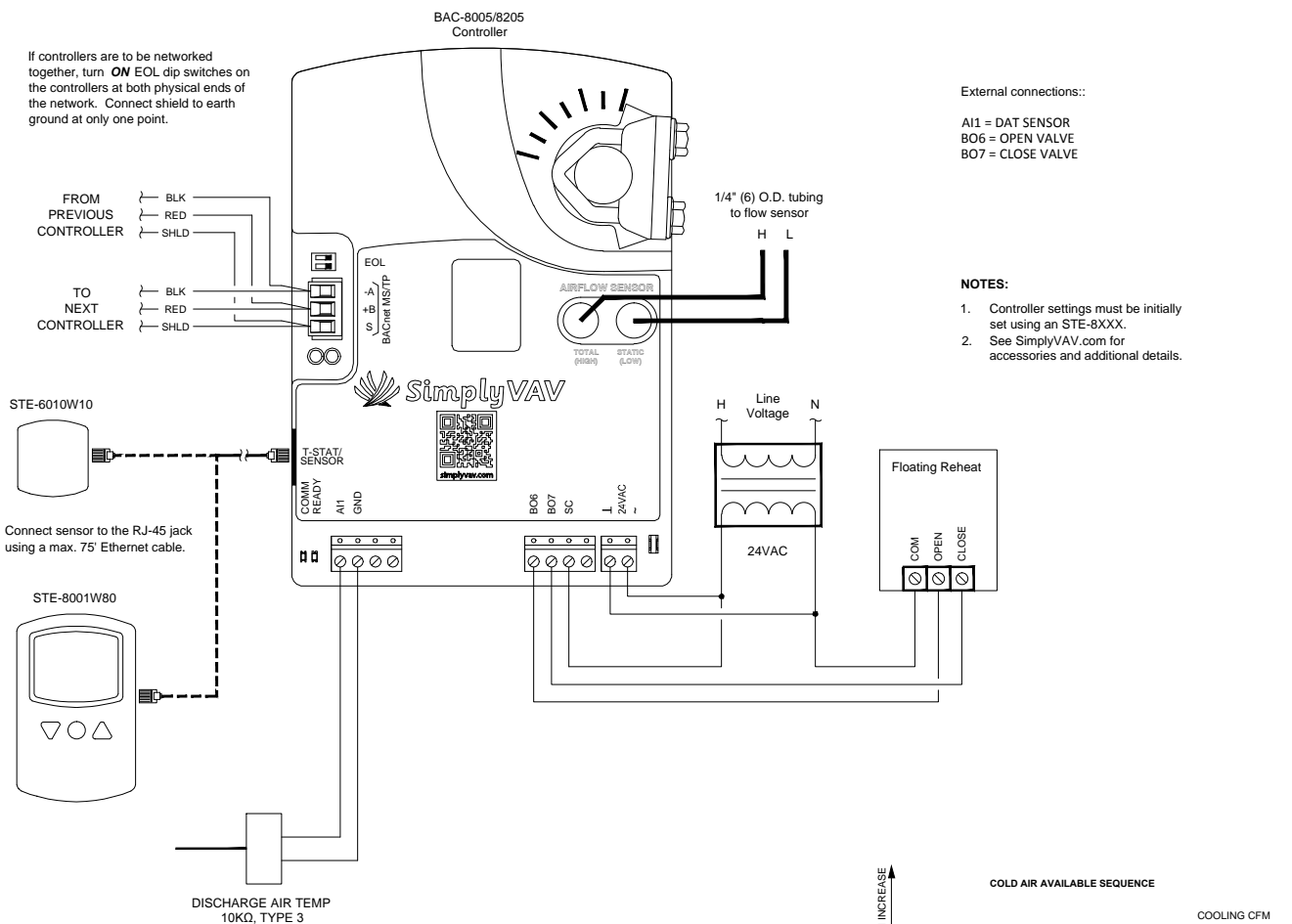




Single Duct Constant Air Volume (CAV) Terminal Unit Cooling with Floating Reheat Pressure Independent Model: BAC-8005/8205

If controllers are to be networked together, turn **ON** EOL dip switches on the controllers at both physical ends of the network. Connect shield to earth ground at only one point.



External connections::

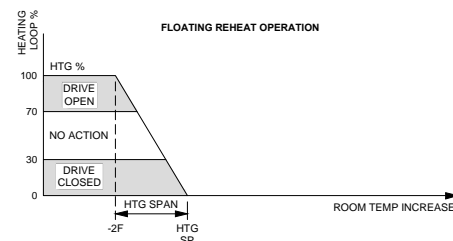
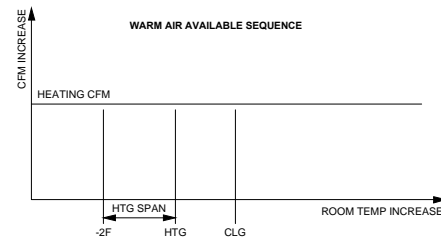
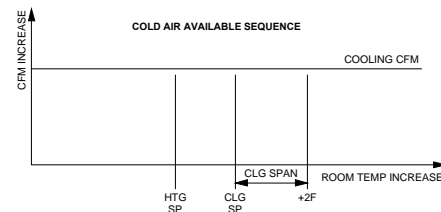
A11 = DAT SENSOR
BO6 = OPEN VALVE
BO7 = CLOSE VALVE

NOTES:

1. Controller settings must be initially set using an STE-8XXX.
2. See SimplyVAV.com for accessories and additional details.

SEQUENCE OF OPERATION:

1. Changeover: If the discharge air temperature (DAT) drops below 72°F, cool air is said to be available. As the DAT rises above 76°F, warm air is said to be available. Any time warm air is available, auxiliary heat is locked out.
2. Cool air available: Constant cooling airflow is maintained.
3. Warm air available: Constant heating airflow is maintained.
4. As the space temp drops below the heating setpoint (heating loop is greater than 70%), the valve is driven open. As the space temp rises back toward the heating setpoint (heating loop is less than 30%), the valve is driven closed. If the loop is in between, there is no valve action.
5. If DAT limiting is enabled and a DAT sensor is detected, the discharge air reheat setpoint is determined based on the heating loop. The discharge air setpoint is limited to a maximum of 15°F above space temperature.



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DRAWING TITLE: SINGLE DUCT TERMINAL UNIT - CAV W/FLOATING REHEAT

CREATION DATE: 3/7/2014

FILENAME: SS14019A_SimplyVAV_SD_CAV_FLOAT_RHT

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REVISION: INITIAL RELEASE