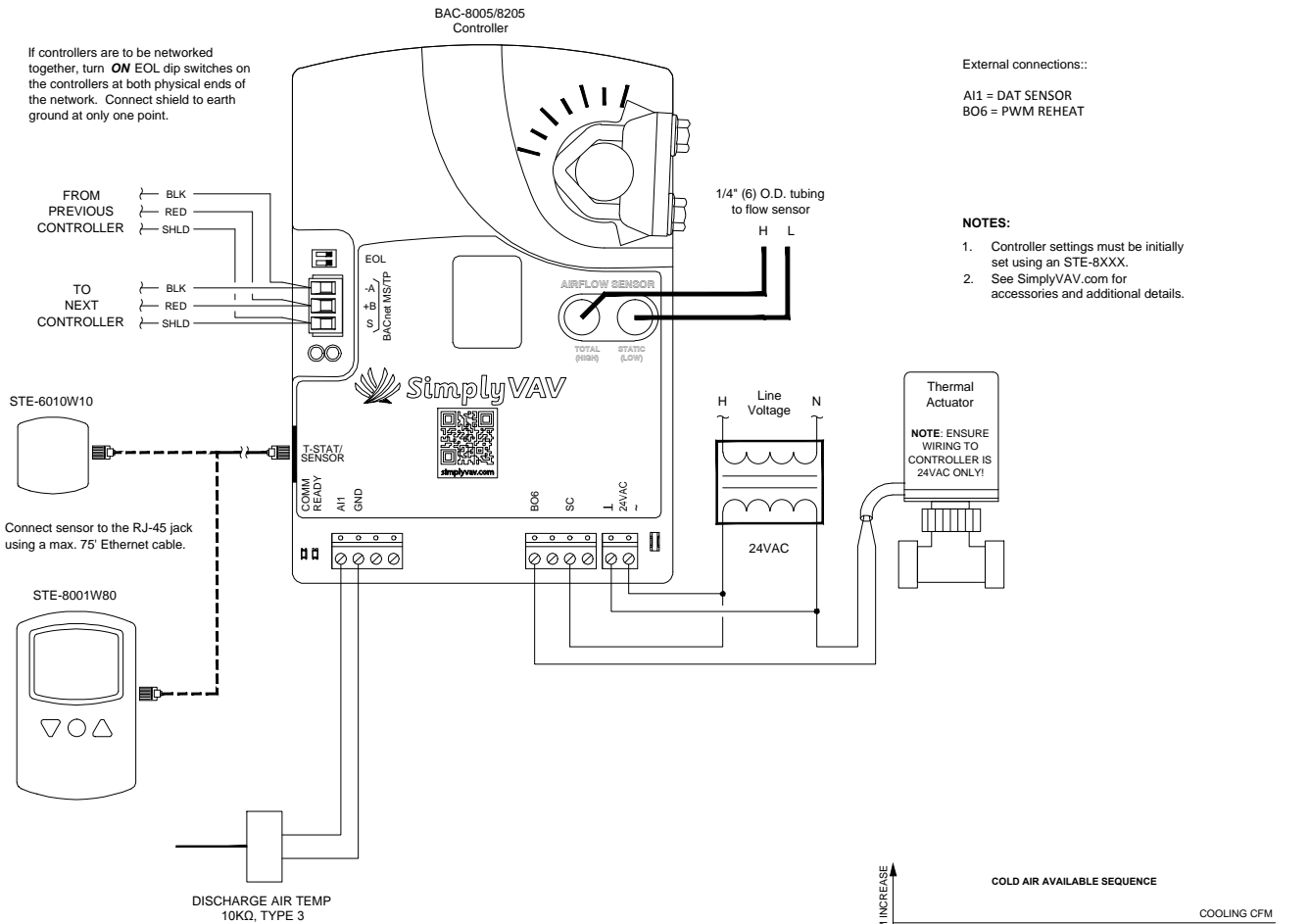




# Single Duct Constant Air Volume (CAV) Terminal Unit Cooling with Time-Proportioned Reheat (PWM) Pressure Independent Model: BAC-8005/8205

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::

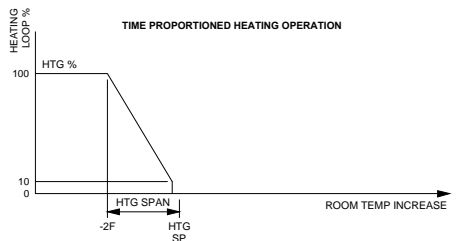
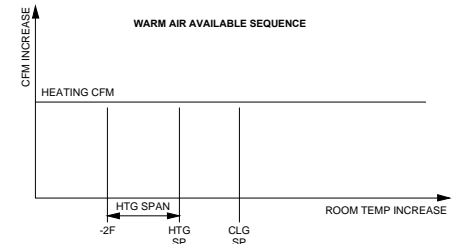
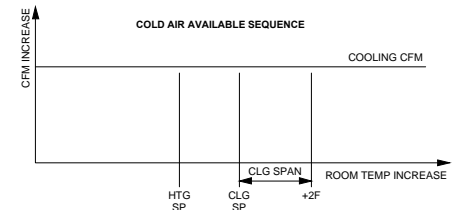
A11 = DAT SENSOR  
BO6 = PWM REHEAT

## 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, the heating output is controlled in a 10 second based, time-proportioned manner. If the heating loop is less than 10%, the heating output remains at zero percent.
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/PWM REHEAT

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