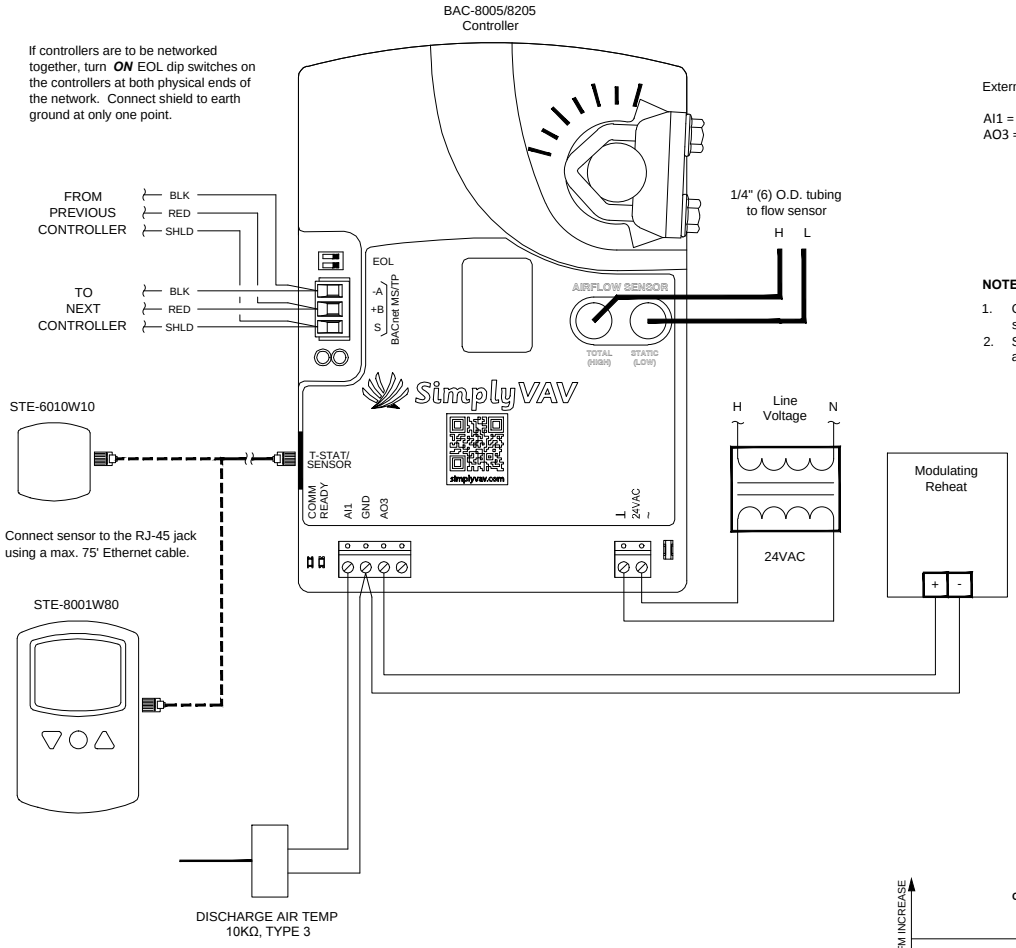
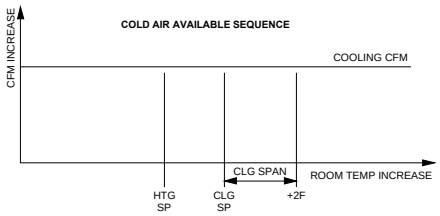
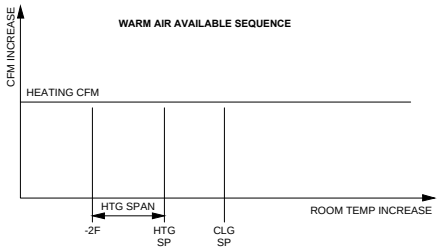
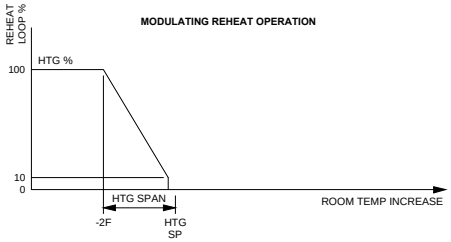
Single Duct Constant Air Volume (CAV) Terminal Unit
Cooling with Modulating Reheat
Pressure Independent
Model: BAC-8005/8205









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 modulates open. As the space temp rises toward the heating setpoint, the heating output modulates closed. 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/MODULATING REHEAT		
CREATION DATE:	3/7/2014	FILENAME: SS14018A_SimplyVAV_SD_CAV_MOD_RHT
REVISION DATE:	3/7/2014	REVISION: INITIAL RELEASE