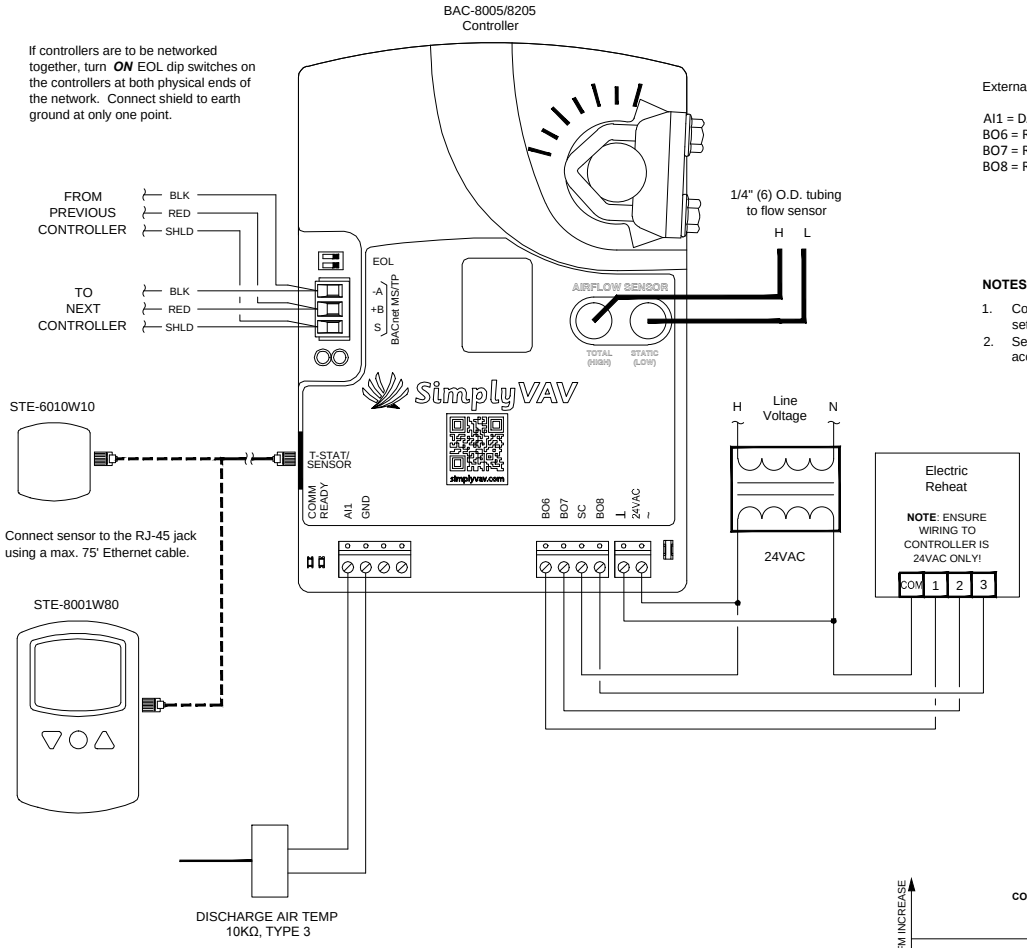
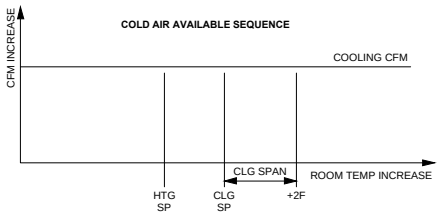
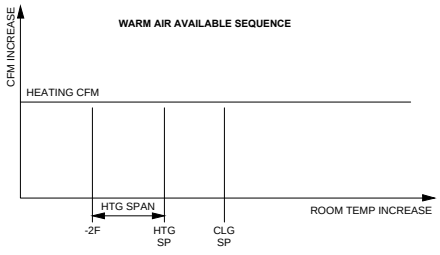
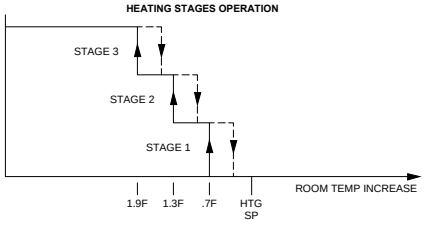
Single Duct Constant Air Volume (CAV) Terminal Unit
Cooling with Staged Electric Reheat
Pressure Independent
Model: BAC-8005/8205









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, stages 1, 2 and 3 of electric reheat are energized respectively. As the space temp rises back toward the heating setpoint, heating stages 3, 2 and 1 turn off respectively.
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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KMC CONTROLS, INC.
19476 INDUSTRIAL DR.
NEW PARIS, IN 46553
PHONE: 574.831.5250
FAX: 574.831.5252
SimplyVAV.com

DRAWING TITLE: SINGLE DUCT TERMINAL UNIT - CAV W/STAGED REHEAT		
CREATION DATE:	3/7/2014	FILENAME: SS14020A_SimplyVAV_SD_CAV_3STAGE_RHT
REVISION DATE:	3/7/2014	REVISION: INITIAL RELEASE